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EmployerIdentification No.)333 Three D Systems CircleRock Hill, South Carolina 29730(Address of Principal Executive Offices and Zip Code)(Registrantâ€™s Telephone Number, Including Area Code): (803) 326-3900 _____Securities registered pursuant to Section 12(b) of the Act:Title of each classTrading SymbolName of each exchange on which registeredCommon Stock, par value $0.001 per shareDDDNew York Stock ExchangeIndicate 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. Yes 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). Yes â˜Â NoÂ 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 â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act.Large accelerated filerâ˜Accelerated filerâ˜Non-accelerated filerâ˜Smaller reporting 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 RuleÂ 12b-2 of the Exchange Act.) Yes â˜ No â˜’APPLICABLE ONLY TO CORPORATE ISSUERS:Indicate the number of shares outstanding of each of the issuerâ€™s classes of common stock, as of the latest practicable date. Shares of Common Stock, par value $0.001 per share, outstanding as of AugustÂ 22, 2024: 133,573,776.3D SYSTEMS CORPORATIONFormÂ 10-QFor the Six Months Ended June 30, 2024 TABLE OF CONTENTSPARTÂ I - FINANCIAL INFORMATIONItem 1.Â Â Financial Statements3Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations29Item 3. Quantitative and Qualitative Disclosures About Market Risk52Item 4. Controls and Procedures53PARTÂ II - OTHER INFORMATIONItem 1. Legal Proceedings53Item 1A. Risk Factors53Item 2. Unregistered Sales of Equity Securities and Use of Proceeds55Item 3. Defaults Upon Senior Securities55Item 4. Mine Safety Disclosures55Item 5. Other Information55Item 6. Exhibits552PART I â€” FINANCIAL INFORMATIONItem 1. Financial Statements.3D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED BALANCE SHEETS(Unaudited)(in thousands, except par value) June 30, 2024December 31, 2023ASSETSCurrent assets:Cash and cash equivalents$192,732Â $331,525Â Â Â Â Â Â Â Â Accounts receivable, net of reserves â€” $3,089 and $3,38997,447Â 101,497Â Inventories141,743Â 152,188Â Prepaid expenses and other current assets41,769Â 42,612Â Total current assets473,691Â 627,822Â Property and equipment, net60,267Â 64,461Â Intangible assets, net58,276Â 62,724Â Goodwill114,070Â 116,082Â Operating lease right-of-use assets53,547Â 58,406Â Finance lease right-of-use assets11,733Â 12,174Â Long-term deferred income tax assets3,474Â 4,230Â Other assets46,429Â 44,761Â Total assets$821,487Â $990,660Â LIABILITIES, REDEEMABLE NON-CONTROLLING INTEREST AND EQUITYCurrent liabilities:Current operating lease liabilities$9,481Â $9,924Â Accounts payable41,272Â 49,757Â Accrued and other liabilities45,282Â 49,460Â Customer deposits7,456Â 7,599Â Deferred revenue33,580Â 30,448Â Total current liabilities137,071Â 147,188Â Long-term debt, net of deferred financing costs211,368Â 319,356Â Long-term operating lease liabilities52,536Â 56,795Â Long-term deferred income tax liabilities4,725Â 5,162Â Other liabilities32,043Â 33,400Â Total liabilities437,743Â 561,901Â Commitments and contingencies (Note 16)Redeemable non-controlling interest2,015Â 2,006Â Stockholdersâ€™ equity:Common stock, $0.001 par value, authorized 220,000 shares; shares issued 133,587 and 133,619 as of June 30, 2024 and December 31, 2023, respectively134Â 134Â Additional paid-in capital1,584,145Â 1,577,519Â Accumulated deficit(1,149,909)(1,106,650)Accumulated other comprehensive loss(52,641)(44,250)Total stockholdersâ€™ equity381,729Â 426,753Â Total liabilities, redeemable non-controlling interest and stockholdersâ€™ equity$821,487Â $990,660Â Â Â Â Â See accompanying notes to condensed consolidated financial statements.33D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS(Unaudited)Three Months EndedSix Months Ended(in thousands, except per share amounts)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Revenue:Products$71,733Â $89,165Â $135,784Â $173,553Â Services41,519Â 39,029Â 80,373Â 75,877Â Total revenue113,252Â 128,194Â 216,157Â 249,430Â Cost of sales:Products42,451Â 56,135Â 82,038Â 106,015Â Services23,703Â 22,043Â 46,099Â 46,301Â Total cost of sales66,154Â 78,178Â 128,137Â 152,316Â Gross profit47,098Â 50,016Â 88,020Â 97,114Â Operating expenses:Selling, general and administrative51,494Â 58,983Â 108,798Â 117,268Â Research and development22,016Â 22,762Â 45,496Â 44,971Â Total operating expenses73,510Â 81,745Â 154,294Â 162,239Â Loss from operations(26,412)(31,729)(66,274)(65,125)Non-operating income (expense):Foreign exchange (loss) gain, net(723)(1,273)1,186Â (1,645)Interest income 1,452Â 5,343Â 4,250Â 9,889Â Interest expense (624)(939)(1,338)(1,680)Other income, net384Â 83Â 21,770Â 525Â Total non-operating income489Â 3,214Â 25,868Â 7,089Â Loss before income taxes(25,923)(28,515)(40,406)(58,036)Provision for income taxes(476)(222)(1,847)(230)Loss on equity method investment, net of income taxes(902)(142)(1,149)(142)Net loss before redeemable non-controlling interest(27,301)(28,879)(43,402)(58,408)Less: net (loss) income attributable to redeemable non-controlling interest(43)16Â (143)(92)Net loss attributable to 3D Systems Corporation$(27,258)$(28,895)$(43,259)$(58,316)Net loss per common share:Basic(0.21)(0.22)(0.33)(0.45)Diluted(0.21)(0.22)(0.33)(0.45)Weighted average shares outstanding:Basic131,802Â 129,907Â 131,311Â 129,535Â Diluted131,802Â 129,907Â 131,311Â 129,535Â See accompanying notes to condensed consolidated financial statements.4 3D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS(Unaudited)Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Net loss before redeemable non-controlling interest$(27,301)$(28,879)$(43,402)$(58,408)Other comprehensive (loss) income, net of taxes:Pension plan adjustments(2)(11)(9)(11)Foreign currency translation(1,196)712Â (8,382)4,125Â Unrealized gain on short-term investmentsâ€”Â 19â€”Â 328Total other comprehensive (loss) income, net of taxes:(1,198)720Â (8,391)4,442Â Total comprehensive loss, net of taxes(28,499)(28,159)(51,793)(53,966)Less: comprehensive (loss) gain attributable to redeemable non-controlling interest(43)16Â (143)(92)Comprehensive loss attributable to 3D Systems Corporation$(28,456)$(28,175)$(51,650)$(53,874)See accompanying notes to condensed consolidated financial statements.53D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS(Unaudited)Six Months Ended(in thousands)June 30, 2024June 30, 2023Cash flows from operating activities:Net loss before redeemable non-controlling interest$(43,402)$(58,408)Adjustments to reconcile net loss to net cash used in operating activities:Depreciation, amortization and accretion of debt discount15,521Â 18,442Â Stock-based compensation13,673Â 18,282Â Loss on short-term investmentsâ€”Â 6Â Non-cash operating lease expense4,992Â 4,025Â Provision for inventory obsolescence6,165Â 4,550Â Provision for bad debts(25)100Â Loss on the disposition of businesses, property, equipment and other assets643Â 57Â Gain on debt extinguishment(21,518)â€”Â Provision (benefit) for deferred income taxes and reserve adjustments451Â â€”Â Loss on equity method investment, net of taxes1,149Â 142Â Asset impairmentâ€”Â 1,187Â Changes in operating accounts:Accounts receivable2,438Â (2,597)Inventories479Â (24,469)Prepaid expenses and other current assets149Â (4,556)Accounts payable(7,387)4,381Â Deferred revenue and customer deposits3,943Â 1,870Â Accrued and other liabilities(7,325)(6,836)All other operating activities(6,254)(2,445)Net cash used in operating activities(36,308)(46,269)Cash flows from investing activities:Purchases of property and equipment(7,151)(13,549)Sales and maturities of short-term investmentsâ€”Â 179,790Â Proceeds from sale of assets and businesses, net of cash sold96Â â€”Â Acquisitions and other investments, net of cash acquired(2,450)(15,654)Net cash (used in) provided by investing activities(9,505)150,587Â Cash flows from financing activities:Repayment of borrowings/long-term debt(87,218)â€”Â Taxes paid related to net-share settlement of equity awards(2,503)(4,564)Other financing activities(659)(362)Net cash used in financing activities(90,380)(4,926)Effect of exchange rate changes on cash, cash equivalents and restricted cash(2,632)645Â Net (decrease) increase in cash, cash equivalents and restricted cash(138,825)100,037Â Cash, cash equivalents and restricted cash at the beginning of the year (a)333,111Â 391,975Â Cash, cash equivalents and restricted cash at the end of the period (a)$194,286Â $492,012Â 6Supplemental cash flow informationLease assets obtained in exchange for new lease liabilities$997Â $26,368Â Cash interest payments512Â 95Â Cash income tax payments, net3,688Â 4,013Â Transfer of equipment from inventory to property and equipment, net (b)1,637Â 2,360Â (a)The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the condensed consolidated balance sheets to the total of such amounts reported in the condensed consolidated statements of cash flows.June 30, 2024December 31, 2023June 30, 2023December 31, 2022Cash and cash equivalents $192,732Â $331,525Â $490,444Â $388,134Â Restricted cash included in prepaid expenses and other current assets 121Â 119Â 1,277Â 114Â Restricted cash included in other assets1,433Â 1,467Â 291Â 3,727Â Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows$194,286Â $333,111Â $492,012Â $391,975Â Amounts included in restricted cash as of June 30, 2024, December 31, 2023 and June 30, 2023 primarily relate to guarantees in the form of a standby letter of credit as security for a long-term real estate lease. Refer to Note 16 for further information. Amounts included in restricted cash as of December 31, 2022 primarily relate to $3,435 deposited into an escrow account relating to the initial investment in the National Additive Manufacturing innovation ("NAMI") joint venture. Refer to Note 6 for further information. The remaining amounts in restricted cash in all periods presented relate to collateral for letters of credit and bank guarantees. (b) Â Â Â Â Inventory is transferred to property and equipment at cost when we require additional machines for training or demonstration or for placement into on demand manufacturing services locations. See accompanying notes to condensed consolidated financial statements.73D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITYThree Months Ended June 30, 2024 and 2023(Unaudited)Common Stock(in thousands, except par value)SharesPar Value $0.001Additional Paid-In CapitalAccumulated DeficitAccumulated Other Comprehensive (Loss) IncomeTotal Stockholders' EquityMarch 31, 2024133,803Â $134Â $1,582,325Â $(1,122,651)$(51,443)$408,365Â Shares issued, vested & expired under equity incentive plans8Â â€”Â â€”Â â€”Â â€”Â Shares withheld related to net-share settlement of equity awards(224)â€”Â (793)â€”Â â€”Â (793)Stock-based compensation expenseâ€”Â â€”Â 2,711Â â€”Â â€”Â 2,711Â Net loss attributable to 3D Systems Corp.â€”Â â€”Â â€”Â (27,258)â€”Â (27,258)Pension plan adjustmentâ€”Â â€”Â â€”Â â€”Â (2)(2)Redeemable non-controlling interest redemption value in excess of carrying valueâ€”Â â€”Â (98)â€”Â â€”Â (98)Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â (1,196)(1,196)June 30, 2024133,587Â $134Â $1,584,145Â $(1,149,909)$(52,641)$381,729Â March 31, 2023131,164Â $131Â $1,553,038Â $(773,383)$(50,100)$729,686Â Shares issued, vested & expired under equity incentive plans2,621Â 2Â â€”Â â€”Â â€”Â 2Â Shares withheld related to net-share settlement of equity awards(281)â€”Â (2,449)â€”Â â€”Â (2,449)Stock-based compensation expenseâ€”Â â€”Â 12,112Â â€”Â â€”Â 12,112Â Net loss attributable to 3D Systems Corp.â€”Â â€”Â â€”Â (28,895)â€”Â (28,895)Pension plan adjustmentâ€”Â â€”Â â€”Â â€”Â (11)(11)Unrealized gain on short-term investmentsâ€”Â â€”Â â€”Â â€”Â 19Â 19Â Redeemable non-controlling interest redemption value in excess of carrying valueâ€”Â â€”Â (172)â€”Â â€”Â (172)Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â 712Â 712Â June 30, 2023133,504Â $133Â $1,562,529Â $(802,278)$(49,380)$711,004Â See accompanying notes to condensed consolidated financial statements.3D SYSTEMS CORPORATIONCONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITYSix Months Ended June 30, 2024 and 2023(Unaudited)Common Stock(in thousands, except par value)SharesPar Value $0.001Additional Paid-In CapitalAccumulated DeficitAccumulated Other Comprehensive (Loss) IncomeTotal Stockholders' EquityDecember 31, 2023133,619Â $134Â $1,577,519Â $(1,106,650)$(44,250)$426,753Â Shares issued, vested & expired under equity incentive plans542Â â€”Â â€”Â â€”Â â€”Â â€”Â Shares withheld related to net-share settlement of equity awards(574)â€”Â (2,503)â€”Â â€”Â (2,503)Stock-based compensation expenseâ€”Â â€”Â 9,302Â â€”Â â€”Â 9,302Â Net loss attributable to 3D Systems Corp.â€”Â â€”Â â€”Â (43,259)â€”Â (43,259)Pension plan adjustmentâ€”Â â€”Â â€”Â â€”Â (9)(9)Redeemable non-controlling interest redemption value in excess of carrying valueâ€”Â â€”Â (173)â€”Â â€”Â (173)Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â (8,382)(8,382)June 30, 2024133,587Â $134Â $1,584,145Â $(1,149,909)$(52,641)$381,729Â December 31, 2022131,207Â $131Â $1,547,597Â $(743,962)$(53,822)$749,944Â Shares issued, vested & expired under equity incentive plans2,786Â 2Â â€”Â â€”Â â€”Â 2Â Shares withheld related to net-share settlement of equity awards(489)â€”Â (4,564)â€”Â â€”Â (4,564)Stock-based compensation expenseâ€”Â â€”Â 19,756Â â€”Â â€”Â 19,756Â Net (loss) attributable to 3D Systems Corp.â€”Â â€”Â â€”Â (58,316)â€”Â (58,316)Pension plan adjustmentâ€”Â â€”Â â€”Â â€”Â (11)(11)Unrealized gain on short-term investmentsâ€”Â â€”Â â€”Â â€”Â 328Â 328Â Redeemable non-controlling interest redemption value in excess of carrying valueâ€”Â â€”Â (260)â€”Â â€”Â (260)Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â 4,125Â 4,125Â June 30, 2023133,504Â $133Â $1,562,529Â $(802,278)$(49,380)$711,004Â See accompanying notes to condensed consolidated financial statements.83D SYSTEMS CORPORATIONNOTES TO THE

CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)(1) Basis of PresentationConsolidated EntitiesThe accompanying unaudited condensed consolidated financial statements include the accounts of 3D Systems Corporation and all majority and wholly-owned subsidiaries and entities in which a controlling interest is maintained (â€œ3D Systemsâ€ or the â€œCompanyâ€ or â€œweâ€ or â€œourâ€ or â€œusâ€). All significant intercompany accounts and transactions have been eliminated in consolidation.Â Certain prior period amounts have been reclassified to conform to the current year presentation. A non-controlling interest in a subsidiary reflects an ownership interest in a majority-owned subsidiary that is not attributable to the Company. For the periods presented, the Company's financial statements include a redeemable non-controlling interest, which has been reported in temporary equity on the Company's condensed consolidated balance sheets. The net loss attributable to this redeemable non-controlling interest is presented as an adjustment to the Company's consolidated net loss to arrive at net loss attributable to 3D Systems Corporation in the consolidated statements of operations and consolidated statements of comprehensive loss.Â Furthermore, adjustments to record this redeemable non-controlling interest at its redemption value are recorded to additional paid-in capital, and the excess redemption value is recognized as a reduction to net income, or increase to net loss, attributable to 3D Systemsâ€™ shareholders for purposes of reporting earnings or loss per share. See Note 10 for additional details regarding the circumstances under which this non-controlling interest will become redeemable, as well as a summary of the activity related to the redeemable non-controlling interest balances reported during the periods presented.The unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (â€œGAAPâ€) and the rules and regulations of the Securities and Exchange Commission (â€œSECâ€) applicable to interim reports. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements and should be read in conjunction with the audited financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023 (â€œ2023 Form 10-Kâ€). The Company believes that the disclosures included in this Form 10-Q are adequate to make the information presented not misleading. In the opinion of management, the unaudited condensed consolidated financial statements contain all adjustments, consisting of adjustments of a normal recurring nature, necessary to present fairly the financial position, results of operations, and cash flows for the periods presented. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements. Actual results may differ from those estimates and assumptions.Our annual reporting period is the calendar year. The results of operations for the three and six months ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. All dollar amounts and other amounts presented in the accompanying footnotes are presented in thousands, except for per share information.Summary of Significant Accounting PoliciesThe significant accounting policies described in the 2023 Form 10-K remain unchanged. (2) AcquisitionsWematterOn July 1, 2023, the Company completed the acquisition of Wematter AB (â€œWematterâ€), a Swedish 3D printer manufacturer that will broaden 3D Systemsâ€™ Selective Laser Sintering (SLS) portfolio. The acquisition resulted in the Company acquiring 100% of the outstanding voting interest of Wematter. Consideration for this acquisition consisted of approximately $10,224 in cash, subject to customary post-closing adjustments. The Company also may be required to pay an additional â‚¬2,000 in cash, contingent upon the achievement of certain post-closing performance conditions and the continued employment of certain key Wematter employees for two years after the closing date of the acquisition. This â‚¬2,000 is required to be recognized as compensation expense over the key employees required service period if deemed probable of being earned. As of June 30, 2024, management does not believe that achievement of the post-closing performance conditions is probable.93D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)In a separate transaction, the Company previously had extended a loan to Wematter during the three months ended June 30, 2023. We determined that this loan, representing a preexisting contractual relationship, was effectively settled upon the close of the acquisition of Wematter. No gain or loss was recognized in connection with the effective settlement, as the carrying value of the loan was not materially different from the pricing of similar current market transactions. The effective settlement of this loan receivable resulted in an increase of $942 to the consideration transferred in connection with this transaction (i.e., above the cash consideration paid) and a corresponding increase to goodwill.We accounted for the acquisition of Wematter using the acquisition method of accounting, as prescribed by ASC 805, â€œBusiness Combinationsâ€ (â€œASC 805â€). In accordance with valuation methodologies described in ASC 820, â€œFair Value Measurementâ€ (â€œASC 820â€), the acquired assets and assumed liabilities were recorded at their estimated fair values as of the date of the Wematter acquisition.Shown below is the final purchase price allocation, which summarizes the fair values of the assets acquired and liabilities assumed at the date of acquisition:(in thousands)Current assets, including cash acquired of $148$835Â Intangible assets:Trade names$1,487Â Product technology2,580Â Customer relationships348Â Total intangible assets4,415Â Goodwill6,528Â Other assets475Â Liabilities:Accounts payable and accrued liabilities$794Â Long-term liabilities293Â Total liabilities1,087Â Net assets acquired$11,166Â The goodwill recognized is attributable to synergies that are expected to enhance and expand the Companyâ€™s overall product portfolio and opportunities in new and existing markets, future products that have yet to be determined and Wematterâ€™s assembled workforce. This goodwill will not be deductible for tax purposes.The following table presents the finite-lived intangible assets acquired and their respective estimated useful lives:Useful LifeTrade names5Product technology15Customer relationships10103D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)(3) RevenueRevenue is recognized when control of the promised products or services is transferred to customers. A majority of our revenue is recognized at the point in time when products are shipped or delivered and the point in time when services are delivered to customers. However, when we have entered into collaboration agreements with customers, we have typically been required to recognize revenue over time.Performance ObligationsAt June 30, 2024, we had $122,853 of unrecognized revenue comprised of deferred revenue, cancellable and non-cancellable customer order backlog, and customer deposits. This $122,853 excludes variable consideration totaling $46,000, which will not be included in contract transaction price for purposes of revenue recognition until management is able to conclude that it is probable that the inclusion of such amounts will not result in a subsequent significant reversal of the cumulative amount of revenue recognized. We expect to recognize approximately 94.9% of the $43,236 of the deferred revenue and customer deposits as revenue within the next twelve months, and the remaining balance thereafter.Collaboration and Licensing AgreementsWe enter into collaboration and licensing agreements with third parties. The nature of the activities to be performed and the consideration exchanged under these agreements varies on a contract-by-contract basis. We evaluate these agreements to determine whether they meet the definition of a customer relationship for which revenue should be recorded. These contracts may contain multiple performance obligations and may contain fees for licensing, research and development services, contingent milestone payments upon the achievement of contractual developmental criteria and/or royalty fees based on the licenseesâ€™ product revenue. We determine the revenue to be recognized for these agreements based on an evaluation of the distinct performance obligations; the identification and evaluation of material rights; the estimation of the amount of variable consideration to be included in transaction price, as well as the timing for inclusion of such variable consideration; and the amount of transaction price assigned to and the pattern of transfer of control for each distinct performance obligation. This typically results in the recognition of revenue over time using a cost-to-cost percentage of completion model to measure the progress of the transfer of control. During the three and six months ended June 30, 2024, the Company recognized $1,825 and $3,846, respectively, of revenue related to collaboration arrangements with customers. During the three and six months ended June 30, 2023, the Company recognized $3,463 and $8,203, respectively, of revenue related to collaboration arrangements with customers.Contract BalancesAccounts receivable, contract asset and contract liability balances as of June 30, 2024 and December 31, 2023, were as follows:(in thousands)June 30, 2024December 31, 2023Accounts receivable, net of reserves$97,447Â $101,497Â Contract assets(1)14,837Â 12,147Â Contract liabilities(2)43,236Â 40,075Â (1) Includes amounts reported in Prepaid expenses and other current assets and Other assets on the balance sheet, inclusive of $6,587 and $5,422 as of June 30, 2024 and December 31, 2023, respectively, that is related to a long-term contract and is billable upon attainment of milestones.(2) Includes both current and long-term portions of deferred revenue. The long-term portion of deferred revenue is reported in other liabilities on our condensed consolidated balance sheets.During the six months ended June 30, 2024, we recognized revenue of $22,451 related to our contract liabilities at December 31, 2023. During the three months ended June 30, 2024, we recognized revenue of $6,637 related to our contract liabilities at December 31, 2023. Revenue ConcentrationsFor the three and six months ended June 30, 2024, one customer accounted for approximately 16.0% and 16.1% of our consolidated revenue, respectively. For the three and six months ended June 30, 2023, one customer accounted for approximately 18.9% and 16.3% of our consolidated revenue, respectively. We expect to maintain our relationship with this customer.113D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Revenue by geographic region for the three and six months ended June 30, 2024 and June 30, 2023, which is determined based upon the geographic region in which a sale originates, was as follows:Three Months Ended(in thousands)June 30, 2024June 30, 2023Americas$66,179Â $76,594Â EMEA37,537Â 41,199Â APAC9,536Â 10,401Â Total$113,252Â $128,194Â United States (included in Americas above)$65,432Â $75,093Â Germany (included in EMEA above) $17,303Â $19,484Â Six Months Ended(in thousands)June 30, 2024June 30, 2023Americas$126,784Â $145,243Â EMEA71,437Â 84,009Â APAC17,936Â 20,178Â Total$216,157Â $249,430Â United States (included in Americas above)$125,324Â $142,878Â Germany (included in EMEA above) $31,545Â $42,946Â (4) InventoriesComponents of inventories at June 30, 2024 and December 31, 2023 are summarized as follows:(in thousands)June 30, 2024December 31, 2023Raw materials$50,476Â $59,658Â Work in process2,615Â 4,708Â Finished goods and parts88,652Â 87,822Â Total inventories$141,743Â $152,188Â The inventory reserve was $19,036 and $16,156 as of June 30, 2024 and December 31, 2023, respectively.123D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)(5) Goodwill and Intangible AssetsGoodwill:All goodwill reported at June 30, 2024 and December 31, 2023 is allocated to our Healthcare Solutions reportable segment. The change in the goodwill balance between December 31, 2023 and June 30, 2024 reflects the impact of changes in foreign exchange rates on the portion of our goodwill balance that is recorded in currencies other that the U.S. dollar in the financial statements of foreign subsidiaries.Intangible Assets:At June 30, 2024 and December 31, 2023, the Company's intangible assets, all of which have finite lives, were as follows:June 30, 2024December 31, 2023(in thousands)GrossAccumulated AmortizationNetGross Accumulated AmortizationNetIntangible assets with finite lives:Customer relationships$51,837Â $(50,419)$1,418Â $54,565Â $(52,796)$1,769Â Acquired technology46,558Â (14,993)31,565Â 47,515Â (13,268)34,247Â Trade names26,275Â (14,605)11,670Â 26,938Â (14,059)12,879Â Patent costs19,847Â (11,458)8,389Â 19,579Â (11,350)8,229Â Acquired patents16,444Â (14,862)1,582Â 16,503Â (14,822)1,681Â Other9,698Â (6,046)3,652Â 13,711Â (9,792)3,919Â Total intangible assets$170,659Â $(112,383)$58,276Â $178,811Â $(116,087)$62,724Â Amortization expense related to intangible assets was $2,143 and $4,139 for the three and six months ended June 30, 2024, respectively, compared to $3,258 and $6,497 for the three and six months ended June 30, 2023, respectively. Amortization expense for intangible assets is estimated to be $3,983 for the remainder of 2024, $7,957 in 2025, $7,888 in 2026, $6,799 in 2027 and $6,534 in 2028.(6) Investments and Note Receivable The Company holds various investments in equity and debt instruments that are included in other assets on our condensed consolidated balance sheets. The following table summarizes our investment balances as of June 30, 2024 and December 31, 2023:(in thousands)June 30, 2024December 31, 2023Equity investments under the equity method of accounting$6,556Â $5,247Â Equity investments without readily determinable fair values20,847Â 20,847Â Other(1)200Â 200Â Total equity investments$27,603Â $26,294Â Long-term note receivable(2)$545Â $535Â Total notes receivable$545Â $535Â (1) Reflects warrant investment carried at fair value. The fair value of these warrants is measured using Level 3 fair value measurement inputs. Refer to Note 17 for a description of these inputs.(2) Includes interest amounts that have been accrued on, recorded to and reported as part of the notes receivable balances.133D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Equity Investments under the Equity Method of AccountingNational Additive Manufacturing Innovation ("NAMI") Joint VentureIn February 2023, we became a shareholder in a joint venture formed with the Saudi Arabian Industrial Investments Company ("Dussur") for purposes of expanding the use of additive manufacturing within the Kingdom of Saudi Arabia and surrounding geographies, including the Middle East and North Africa. During April 2023, we deposited our initial investment commitment of approximately $6,500 into a bank account of the joint venture for use in its operations. In May 2024, we made an incremental investment of $2,450. Additional future investments in the joint venture are contingent upon agreement by the parties to the joint venture to invest additional capital. As of both June 30, 2024 and December 31, 2023, the Company owned 49% of the joint venture's common stock. The impact of this investment on the Companyâ€™s future financial condition and cash flows is expected to be limited to the cash outflow(s) related to any future contingent investments, if required. The Company accounts for the joint venture under the equity method of accounting, requiring the Company to recognize its proportionate share of the joint venture's reported net income or loss, which the Company recognizes on a one quarter lag. For the three and six months ended June 30, 2024 and June 30, 2023, the Company has reported a loss on equity method investment in its condensed consolidated statements of operations. The Company's reported revenue and cost of sales for the three months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $2,897 and $2,231, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $3,160 and $2,317, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the three months ended June 30, 2023 includes immaterial related party revenue and associated related party cost of sales attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2023 includes related party revenue and associated related party cost of sales of $350 and $191, respectively, attributable to sales to NAMI. As of June 30, 2024 and December 31, 2023, the outstanding related party receivable balances attributable to our sales to NAMI were $2,812 and $1,092, respectively.Equity Investments without Readily Determinable Fair ValuesEnhatchIncluded within the amounts reported for equity investments without readily determinable fair values as of June 30, 2024 and December 31, 2023 is the Company's investment in Enhatch Inc. ("Enhatch"), the developer of the Intelligent Surgery Ecosystem. In March 2022, the Company made a $10,000 investment in Enhatch and received convertible preferred shares, warrants to purchase additional shares of Enhatch, and the right to purchase in the future (the â€œcall optionâ€) the remaining shares of Enhatch that 3D Systems does not own if certain revenue targets are achieved. The Company's investment in Enhatch's convertible preferred shares and the call option, which have been accounted for together as a single unit of account and represent an equity investment without a readily determinable fair value, was recorded at $9,670 as of the original investment date, with the remaining value assigned to the Enhatch warrants. As of June 30, 2024 and December 31, 2023, the reported carrying value of the Company's convertible preferred stock investment in Enhatch (i.e., inclusive of the call option) is $6,900, which is recorded in other assets on condensed our consolidated balance sheets. This adjusted carrying value reflects the impact of a $2,770 impairment charge that was recorded during the year ended December 31, 2022. During the three and six months ended June 30, 2024, the Company made purchases from Enhatch of $26 and $179, respectively. During the three and six months ended June 30, 2023, the Company made purchases from Enhatch of $18 and $32, respectively. As of June 30, 2024 and December 31, 2023, the outstanding related party payable balances attributable to our purchases from Enhatch were $14 and $26, respectively.Variable Interest Entities (VIEs)We have concluded that two of our investments are VIEs. These investments are not consolidated because we concluded that the Company is not the primary beneficiary. As of June 30, 2024, our maximum exposure to losses associated with the VIEs is limited to the $14,556 carrying value of our investments in the VIEs, which is included in other assets on our condensed consolidated balance sheet. We have no other investments in unconsolidated entities that have been determined to be VIEs.143D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)(7) Leases We have various lease agreements for our facilities, equipment and vehicles with remaining lease terms ranging from one to fourteen years. As of June 30, 2024 and December 31, 2023, short-term finance lease obligations of $1,388 and $1,770 are included in accrued and other liabilities on the condensed consolidated balance sheet and long-term finance lease obligations of $11,074 and $11,458 are included in other long-term liabilities on the condensed consolidated balance sheet. (8) Accrued and Other LiabilitiesAccrued and other liabilities at June 30, 2024 and December 31, 2023 are summarized as follows:(in thousands)June 30, 2024December 31, 2023Compensation and benefits$16,246Â $13,196Â Accrued taxes6,915Â 10,373Â Accrued product warranty liability1,194Â 2,106Â Other accrued liabilities20,927Â 23,785Â Total$45,282Â $49,460Â Changes in our accrued product warranty liability balance during the six months ended June 30, 2024 and June 30, 2023 are summarized below:(in thousands)June 30, 2024June 30, 2023Balance at beginning of period$2,106Â $3,677Â Settlements made(1,770)(1,920)Accruals for warranties issued858Â 1,164Â Balance at the end of period$1,194Â $2,921Â (9) Borrowings Convertible NotesThe Company previously issued 0% Convertible Senior Notes due November 15, 2026 (the "Notes"), pursuant to an Indenture dated November 16, 2021 (the â€œIndentureâ€) between the Company and The Bank of New York Mellon, N.A., as trustee (the "Trustee"). The related principal, unamortized deferred issuance costs and carrying values as of June 30, 2024 and December 31, 2023 were as follows:(in thousands)June 30, 2024December 31, 2023Principal(1)$214,378Â $324,870Â Unamortized deferred issuance costs(3,010)(5,514)Carrying value$211,368Â $319,356Â (1) The Notes

have an initial conversion rate of 27.8364 shares of common stock per $1 principal amount of Notes (which is subject to adjustment in certain circumstances). This is equivalent to an initial conversion price of approximately $35.92 per share. The conversion rate is subject to customary adjustments under certain circumstances in accordance with the terms of the Indenture.The Notes are the Companyâ€™s senior unsecured obligations and rank senior in right of payment to any of the Companyâ€™s existing and future indebtedness that is expressly subordinated in right of payment to the Notes; rank equal in right of payment to any of the Companyâ€™s future unsecured indebtedness that is not so subordinated; are effectively subordinated in right of payment to any of the Companyâ€™s existing and future secured indebtedness to the extent of the value of the collateral securing such indebtedness; and are structurally subordinated to all existing and future indebtedness and other liabilities (including trade payables) of current or future subsidiaries of the Company. The annual effective interest rate of the Notes is 0.594% when including purchasers' discounts and commissions and offering expenses incurred by the Company. The Notes do not bear regular interest, and the principal amount of the Notes will not accrete. The Notes will mature on November 15, 2026, unless earlier redeemed, repurchased or converted in accordance with their terms. 153D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)The Notes are convertible at the option of the holders at any time prior to the close of business on the business day immediately preceding August 15, 2026, only under the following circumstances: (1) during any future calendar quarter (and only during such quarter), if the last reported sale price of the Company's common stock, par value $0.001 per share (the â€œCommon Stockâ€), is equal to or greater than 130% of the conversion price for each of at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter on each applicable trading day; (2) during the five business day period after any five consecutive trading day period (the â€œmeasurement periodâ€) in which the trading price (as defined in the Indenture) per $1 principal amount of Notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price per share of the Common Stock and the conversion rate on each such trading day; (3) if the Company calls such Notes for redemption at any time prior to the close of business on the second scheduled trading day immediately preceding the redemption date; and (4) upon the occurrence of specified corporate events, including a Fundamental Change (as defined in the Indenture), or distributions of the Common Stock. On or after August 15, 2026, until the close of business on the second scheduled trading day immediately preceding the maturity date, holders may convert all or any portion of their Notes at any time, at the option of the holder, regardless of the foregoing circumstances. Upon conversion, the Company will pay cash up to the aggregate principal amount of the Notes to be converted and pay or deliver, as the case may be, cash, shares of Common Stock, or a combination of cash and shares of Common Stock, at the Companyâ€™s election, in respect of the remainder, if any, of the Companyâ€™s conversion obligation in excess of the aggregate principal amount of the Notes being converted. Holders of the Notes have the right to require the Company to repurchase for cash all or a portion of their Notes at 100% of their principal amount, plus any accrued and unpaid special interest, upon the occurrence of a Fundamental Change. The Company is also required to increase the conversion rate for holders who convert their Notes in connection with a Fundamental Change or convert their Notes that are called for redemption, as the case may be, prior to the maturity date. As of June 30, 2024, none of the circumstances that would permit the holders of the Notes to exercise their conversion option had occurred.The Company may not redeem the Notes prior to November 20, 2024. The Notes are redeemable, in whole or in part, for cash at the Companyâ€™s option at any time, and from time to time, on or after November 20, 2024 and before the 41st scheduled trading day immediately preceding the maturity date, but only if the last reported sale price per share of the Common Stock has been at least 130% of the conversion price then in effect for a specified period of time. The Company incurred $314 and $748 of debt issuance cost accretion for the three and six months ended June 30, 2024, respectively, as compared to $670 and $1,339 of debt issuance cost accretion for the three and six months ended June 30, 2023, respectively. In addition, in connection with the repurchase of a portion of the Notes in March 2024 (as further discussed below), the Company wrote off $1,756 of debt issuance costs during the six months ended June 30, 2024. Debt issuance cost accretion of $631, $1,260, and $1,119 is expected to be incurred for the remaining six months of 2024 and the years ended December 31, 2025, and 2026, respectively.Convertible Notes Non-ComplianceThe Indenture contains covenants, events of default and other provisions that are customary for offerings of convertible notes. During the three months ended June 30, 2024, the Company became non-compliant with certain terms of the Indenture. The Companyâ€™s failure to file its 2023 Form 10-K and provide it to the Trustee by April 1, 2024 represented a default under the terms of the Indenture. In addition, the Company's failure to file its Form 10-Q for the three months ended March 31, 2024 and provide it to the Trustee by May 30, 2024 represented an incremental default under the terms of the Indenture. These defaults did not become an event of default under the terms of the Indenture given the Company filed its 2023 Form 10-K on August 13, 2024, curing the first default referenced above, and the Form 10-Q for the three months ended March 31, 2024 on August 20, 2024, curing the incremental default referenced above, prior to the end of the cure period provided for by the Indenture, which cure period was not initiated by the Trustee or holders of the Notes. The Company has not incurred any special interest as a result of these defaults, nor have the Notes become subject to any other actions by the Trustee or the holders.Debt ExtinguishmentIn March 2024, the Company repurchased $110,492 of the Notes for $87,218, including transaction expenses. The repurchased Notes were retired upon receipt, and the retirement of the debt obligations was accounted for as an extinguishment of debt. The repurchase of the Notes at a discount resulted in the recognition of a gain of $21,518, after transaction expenses and the write-off of related debt issuance costs, which is reported in other income, net on the Companyâ€™s condensed consolidated statement of operations for the six months ended June 30, 2024. At June 30, 2024, the estimated fair value of the Notes is $171,520. This is based on the quoted market price where the volume of activity is limited and not active and, thus, this is deemed a Level 2 fair value measurement.163D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited) (10) Redeemable Non-Controlling Interest For each of the periods presented in our condensed consolidated financial statements, the Company holds a 93.75% controlling interest in a consolidated foreign subsidiary that was acquired on April 1, 2022. The remaining 6.25% non-controlling interest in this foreign subsidiary is subject to redemption at a future date upon either (1) the exercise of a put option by the holder of the underlying shares or a call option by the Company, each of which is subject to the subsidiary achieving certain specified conditions, or (2) the passage of time subsequent to the date on which this subsidiary was acquired. The put and call rights related to 50% of the common shares underlying this redeemable non-controlling interest ("RNCI") can be exercised upon the achievement of an initial revenue and gross profit target, while the put and call rights related to the remaining 50% of the common shares underlying the RNCI can be exercised upon the achievement of a second revenue and gross profit target. The exercise prices at which the shares underlying the RNCI can be put by their holders or called by the Company are determined based upon whether the consolidated foreign subsidiary achieves either or both of the predetermined revenue and gross profit targets. If either (1) one or both sets of revenue and gross margin targets are not achieved by the consolidated foreign subsidiary within specified time periods or (2) neither the put or call options are exercised within specified time periods despite the achievement of one or both sets of targets, the exercise price for the put and call options will be set at a floor strike price for periods thereafter. Up to 50% of the exercise price can be paid in shares of Common Stock at the election of 3D Systems.Changes to the Company's RNCI balance during the six months ended June 30, 2024 and 2023 are summarized below:Six Months Ended June 30,(in thousands)20242023Balance at beginning of period $2,006Â $1,760Â Net loss(143)(92)Redemption value in excess of carrying value173Â 260Â Translation adjustments(21)23Â Balance at end of period $2,015Â $1,951Â (11) Stock-Based Compensation2015 Incentive PlanThe Company is authorized to grant shares of restricted stock, restricted stock units (â€œRSUsâ€), stock appreciation rights, cash incentive awards and options to purchase shares of Common Stock to employees and non-employee directors pursuant to its 2015 Incentive Plan (the â€œ2015 Planâ€). The 2015 Plan also designates measures that may be used for performance awards and market-based awards. The vesting period for awards granted under the 2015 Plan is generally determined by the Board of Directors at the date of the grant. Generally, the awards vest one third each year, over 3 years.173D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Systemic Bio Phantom Unit PlanDuring the year ended December 31, 2023, we began granting phantom unit awards ("Phantom Units") under a new compensation plan designed for employees and non-employees performing services for Systemic Bio, a wholly-owned subsidiary of 3D Systems Corporation. All awards granted under the plan are subsidiary-level awards. During the three and six months ended June 30, 2024, we granted 6 and 94 Phantom Units under the plan and recognized $2,030 and $2,097 of compensation expense related to all granted awards, respectively. No compensation expense was recognized for the three and six months ended June 30, 2023, as no Phantom Units had been issued as of such date. The Phantom Units granted under the plan include both a time-based vesting condition (generally 4 years, subject to acceleration in connection with specified liquidity events) and a market condition that is met if (1) the value of Systemic Bio exceeds a specified multiple of the capital invested in this subsidiary (the "hurdle") and (2) the business achieves a specified minimum internal rate of return. The market conditions will be assessed upon (A) a trigger event (e.g., change in control, IPO or plan expiration of December 31, 2030) and/or (B) an interim liquidity event (defined as January 1, 2028) that occurs prior to a trigger event. All awards under the plan will be liability-classified due to our intention to settle these awards with cash; although, we have discretion to partially or fully settle these awards in equity upon vesting. Liability classification of the awards requires them to be remeasured at their fair value at the end of each reporting period. Due to the presence of the market-condition and the fact that Systemic Bio does not have a readily available share price, the awards are valued using a Monte Carlo simulation with the assistance of a third-party valuation firm. This valuation requires significant judgment regarding the input of various assumptions and estimates, which include the projected cash flows of (including projected capital invested in) Systemic Bio, the probability and/or timing of a trigger event or a liquidity event, the expected stock price volatility for selected public companies with comparable characteristics to Systemic Bio, the discount for the lack of marketability of Systemic Bio as a privately-held company, and the risk-free interest rate.The third-party valuation as of June 30, 2024 resulted in an increase in the estimated fair value of the Phantom Units and a corresponding $1,913 increase in the expense recognized during the three and six months ended June 30, 2024, primarily as a result of a change in management's judgment regarding the estimated probability and timing for the occurrence of a trigger event. This change in estimate reduced basic and diluted earnings per share by $0.01 for the three and six months ended June 30, 2024.Other Compensation Arrangements that Include Share SettlementRegenerative Medicine Earnout Payments and Performance-Based Stock UnitsVolumetric Acquisition Earnout PaymentsOn December 1, 2021, the Company acquired Volumetric Biotechnologies, Inc. (â€œVolumetricâ€). Pursuant to the terms of the related acquisition agreement, the Company was potentially subject to aggregate earnout payments of up to $355,000 (i.e., incremental to the previously paid acquisition purchase price). These earnout payments would be triggered by (1) the achievement of seven discrete non-financial milestones, each of which required attainment prior to either December 31, 2030 or December 31, 2035, and (2) the continued employment of certain key individuals from Volumetric. Each potential milestone-based payment was deemed to be compensation expense that the Company would recognize ratably from the point in time when a milestone was deemed probable of achievement through the estimated time of achievement. Each milestone payment, if earned, would be expected to be settled approximately half in cash and half in shares of Common Stock and, accordingly, expense recognized for the portion of this earnout that is expected to be settled with shares of Common Stock would be reflected in the disclosure of stock-based compensation included herein, if and when accrued. In February 2024, the Company informed the former owners of Volumetric, to whom the acquisition-related earnout payments of up to $355,000 could have potentially become payable, that four of the seven milestone-related earnout payments, each of which was related to kidney and liver research, were terminated. These four milestone-based earnout payments were terminated in accordance with the terms of the Volumetric acquisition agreement, based upon a determination that achievement was no longer financially viable due to the loss of the funding required from the Company's key strategic partner for the related research and development efforts. Upon termination of the four milestone-based earnout payments, the Company's maximum liability for earnout payments attributable to the acquisition of Volumetric was reduced to $175,000, which would be payable if (1) each of the three remaining non-financial, science-based milestones is achieved within the timeframes set forth in the Volumetric acquisition agreement and (2) the certain key individuals from Volumetric continue to be employed. 183D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Refer to Note 16 for further details regarding the resignation of the certain key individuals from Volumetric and all related actions occurring thereafter. Regenerative Medicine Performance-Based Stock UnitsThe Company has granted certain performance-based stock units (â€œPSUsâ€ or the "RegMed Awards") with vesting terms that are based upon four individually-measured, science-based (i.e., non-financial) milestones to other employees who work on advancements in regenerative medicine related to lungs and tissue organs. The compensation expense associated with each individual milestone attributable to a RegMed Award is required to be recognized over the period commencing on the date that the respective milestone is deemed probable of being met through the anticipated date of achievement.Earnout and PSU Compensation ExpenseDuring the three and six months ended June 30, 2023, the Company recognized compensation expense based upon the assumed achievement of (1) one of the Volumetric milestones for which the potential earnout payment due to the sellers would be $65,000 and (2) one RegMed Award milestone for which the aggregate grant date fair value of the outstanding and unvested awards was $4,773. During the three and six months ended June 30, 2023 the Company recognized compensation expense of $(632) and $1,634, respectively, related to the aforementioned Volumetric milestones and RegMed milestone awards. During the three months ended September 30, 2023, the Company decided to reduce its budgeted funding for the research and development related to the respective Volumetric earnout and RegMed Award milestones, which resulted in (A) the Company concluding that it is no longer probable that these milestones would be achieved by the end of the term of the Volumetric earnout arrangement or prior to the expiration of the RegMed Awards and (B) the reversal of all previously recognized Volumetric earnout and RegMed Award compensation expense. As a result of the budget reduction and the cancellation of all seven milestones described above, the Company recognized $0 of compensation expense related to the Volumetric earnout and RegMed Awards during the three and six months ended June 30, 2024, and no liability related to the Volumetric earnout was recognized on our balance sheets as of June 30, 2024 and December 31, 2023.dp polar EarnoutIn connection with the Company's October 4, 2022 acquisition of dp polar GmbH ("dp polar"), the Company expects to pay $2,229 of compensation expense incremental to the acquisition purchase price. Until April 2024, this payment was contingent upon the continued employment of a key individual from dp polar through December 31, 2024. During April 2024, due to a change in the key individual's employment status, all service conditions of the dp polar earnout were met based on the terms of the initial arrangement. This amount is expected to be settled via the issuance of 250 shares of Common Stock on or around December 31, 2024. All remaining expense related to these shares was recognized during the three months ended June 30, 2024. The Company includes the compensation expense related to this arrangement within stock-based compensation reported herein. Stock-Based Compensation Activity and ExpenseDuring the three and six months ended June 30, 2024, the Company granted 60 shares of restricted stock which had a weighted-average grant date fair value of $5.75 per share, respectively. The restricted stock awards generally vest ratably over three years. The following table shows the stock-based compensation expense recognized during the three and six months ended June 30, 2024 and June 30, 2023:Three Months Ended June 30,Six Months Ended June 30,(in thousands)20242023202420232023Stock-based compensation expense$5,421Â $7,990Â $13,673Â $18,282Â 193D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Included in stock-based compensation expense recognized for the three and six months ended June 30, 2024 are $680 and $2,274, respectively, and $397 and $1,055 for the three and six months ended June 30, 2023, respectively, of accrued expense pertaining to annual incentive compensation for which settlement would ultimately occur using shares of Common Stock. Also included in stock-based compensation expense for the three and six months ended June 30, 2024 are $0 and $0, respectively, and $(632) and $1,634 for the three and six months ended June 30, 2023, respectively, which relate to the RegMed Awards and the portion of the recognized Volumetric earnout expense expected to be settled using the shares of Common Stock. Finally, stock-based compensation expense for the three and six months ended June 30, 2024 includes $733 and $975, respectively, and $277 and $552 for the three and six months ended June 30, 2023, respectively, of expense related to the dp polar earnout arrangement that is required to be settled in shares of Common Stock. As of June 30, 2024, there was $26,015 of unrecognized stock-based compensation expense related to all unvested share-based payment awards that the Company expects to recognize over a weighted-average period of 1.7 years.(12) Income Taxes We maintain the exception under ASC 740-270-30-36(b), â€œAccounting for Income Taxes,â€ for jurisdictions that do not have reliable estimates of ordinary income. Accordingly, we have used a year-to-date methodology in determining the effective tax rate for the three and six months ended June 30, 2024.For the three and six months ended June 30, 2024,

the Companyâ€™s effective tax rate was (1.8)% and (4.6)%, respectively. For the three and six months ended June 30, 2023, the Companyâ€™s effective tax rate was (0.8)% and (0.4)%, respectively. The differences between the U.S. statutory tax rate and the effective tax rates for the three and six months ended June 30, 2024 and 2023 are primarily driven by the recognition of a full deferred tax asset valuation allowance in various jurisdictions. (13) Net Loss Per ShareBasic net loss per share is calculated by dividing net loss attributable to 3D Systemsâ€™ Common Stock stockholders by the weighted average number of shares of Common Stock outstanding during the applicable period. Diluted loss per share incorporates the additional shares issuable upon the assumed exercise of stock options, the vesting of restricted stock and RSUs, and the assumed conversion of debt, except in such case when (1) the inclusion of such shares or potential shares would be anti-dilutive or (2) when the vesting of restricted stock or RSUs is contingent upon one or more performance conditions that have not been met as of the balance sheet date.203D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Three Months EndedSix Months Ended(in thousands, except per share amounts)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Numerator for basic and diluted net loss per share:Net loss attributable to 3D Systems Corporation$(27,258)$(28,895)$(43,259)$(58,316)Redeemable non-controlling interest redemption value in excess of carrying value(98)(172)(173)(260)Net loss attributable to common stock shareholders$(27,356)$(29,067)$(43,432)$(58,576)Denominator for net loss per share:Weighted average shares outstanding â€“ basic and diluted(1), (2)131,802Â 129,907Â 131,311Â 129,535Â Net loss per share â€“ basic and diluted(0.21)(0.22)(0.33)(0.45)(1) Equity awards are deemed anti-dilutive for the three and six months ended June 30, 2024 and 2023 because we reported a net loss for these periods.(2) Includes 250 shares of Common Stock related to the dp polar earnout arrangement that are expected to be issued given the passage of time on or about December 31, 2024.The following table presents the potentially dilutive shares that have been excluded from the computation of diluted net loss per share attributable to Common Stock stockholders because their effect is considered anti-dilutive for the three and six months ended June 30, 2024 and 2023, respectively. Three and Six Months Ended(in thousands)June 30, 2024June 30, 2023Restricted stock and restricted stock units3,393Â 6,680Â Stock options160Â 420Â Total3,553Â 7,100Â For the three and six months ended June 30, 2024, the table above excludes an estimate of 531 shares for the payment of accrued incentive compensation that is expected to be settled in shares (Refer to Note 11). This share estimate is based on the liabilities recorded at June 30, 2024 for the fiscal year 2024 incentive compensation arrangement, divided by the Company's year-to-date average share price of $4.28 per share. As of June 30, 2024, there are no contingently issuable shares related to the Volumetric earnout arrangement discussed in Note 11. For the three and six months ended June 30, 2023, the table above excludes the following: (1) an estimate of 1,047 shares contingently issuable upon the achievement of certain milestones in the Volumetric earnout arrangement discussed in Note 11 and (2) an estimate of 109 shares for the payment of accrued incentive compensation that is expected to be settled in shares. These share estimates are based on the aggregate liabilities recorded at June 30, 2023 for the Volumetric earnout arrangement and the fiscal year 2023 incentive compensation arrangement, divided by the Company's year-to-date average share price of $9.67 per share. The table above also excludes an estimate of 92 shares that are contingently issuable under the dp polar earnout arrangement discussed in Note 11. The Company previously issued 0% Convertible Senior Notes due November 15, 2026, as discussed in Note 9. The Notesâ€™ impact to diluted weighted average shares outstanding is required to be calculated using the if-converted method as prescribed in ASC 260. The Notes will increase the diluted weighted average shares outstanding when the average share price over a quarterly or annual reporting period is greater than $35.92 per share, the conversion price of the Notes. For the three and six months ended June 30, 2024 and 2023, the Notes were anti-dilutive on a stand-alone basis because the average share price during these periods did not exceed the conversion price, and because we reported a net loss for each of the respective periods.213D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)(14) Accumulated Other Comprehensive Loss The changes in the balances of accumulated other comprehensive loss by component are as follows:Three Months Ended June 30, 2024(in thousands)Foreign currency translation adjustmentDefined benefit pension planTotalBalance at March 31, 2024$(51,750)$307Â $(51,443)Other comprehensive loss(1,196)(2)(1,198)Balance at June 30, 2024$(52,946)$305Â $(52,641)Six Months Ended June 30, 2024(in thousands)Foreign currency translation adjustmentDefined benefit pension planTotalBalance at December 31, 2023$(44,564)$314Â $(44,250)Other comprehensive loss(8,382)(9)(8,391)Balance at June 30, 2024$(52,946)$305Â $(52,641)Three Months Ended June 30, 2023(in thousands)Foreign currency translation adjustmentDefined benefit pension planUnrealized loss on short-term investmentsTotalBalance at March 31, 2023$(50,781)$700Â (19)(50,100)Other comprehensive income (loss)712Â â€”Â â€”Â 712Â Amounts reclassified from accumulated other comprehensive income (loss) aâ€”Â (11)19Â 8Â Balance at June 30, 2023$(50,069)$689Â $â€”Â $(49,380)Six Months Ended June 30, 2023(in thousands)Foreign currency translation adjustmentDefined benefit pension planUnrealized loss on short-term investmentsTotalBalance at December 31, 2022$(54,194)$700Â (328)(53,822)Other comprehensive income (loss)4,125Â 12Â 108Â 4,245Â Amounts reclassified from accumulated other comprehensive income (loss) aâ€”Â (23)220Â 197Â Balance at June 30, 2023$(50,069)$689Â $â€”Â $(49,380)(a) Amount reclassified into interest and other income (expense), net on the statement of operations. The amounts presented in the table above are net of income taxes. (15) Segment Information The Company has two reportable segments: Healthcare Solutions and Industrial Solutions. Our reportable segments are based upon the industry verticals that they serve and reflect how we report our financial results to the chief operating decision maker ("CODM"). The CODM evaluates the performance of our reportable segments based on segment revenue and segment Adjusted EBITDA. The CODM does not review disaggregated asset information on the basis of the Company's segments; therefore, such information is not presented. 223D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)The following tables set forth our operating results by segment for the three and six months ended June 30, 2024 and June 30, 2023:RevenueAdjusted EBITDAThree Months Ended June 30,Three Months Ended June 30,(in thousands)20242023202420232Healthcare Solutions$48,900Â $60,874Â $8,772Â $11,394Â Industrial Solutions64,352Â 67,320Â 3,358Â 2,264Â Total Reportable segments$113,252Â $128,194Â $12,130Â $13,658Â RevenueAdjusted EBITDASix Months Ended June 30,Six Months Ended June 30,(in thousands)20242023202420232Healthcare Solutions$94,313Â $109,599Â $12,492Â $16,459Â Industrial Solutions121,844Â 139,831Â 5,440Â 9,166Â Total Reportable segments$216,157Â $249,430Â $17,932Â $25,625Â 233D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)The following table provides a reconciliation of our reportable segment Adjusted EBITDA to our reported Net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and June 30, 2023:Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Total segment adjusted EBITDA$12,130Â $13,658Â $17,932Â $25,625Â Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems:Corporate expense not allocated to segments(25,044)(20,556)(50,906)(42,618)Interest income (expense), net828Â 4,404Â 2,912Â 8,209Â Provision for income taxes(476)(222)(1,847)(230)Depreciation expense(4,910)(5,294)(9,870)(10,606)Amortization expense(2,589)(3,258)(4,902)(6,497)Stock-based compensation expense(3,389)(7,990)(11,574)(18,282)Acquisition and divestiture-related expense(181)(1,512)(234)(4,188)Legal and other related costs(2,342)(2,656)(6,582)(2,735)Restructuring expense(87)(4,121)(138)(5,824)Net loss attributable to redeemable non-controlling interest43Â (16)143Â 92Â Loss on equity method investments, net of tax(902)(142)(1,149)(142)Gain on repurchase of debtâ€”Â â€”Â 21,518Â â€”Â Other non-operating income (expense)(339)(1,190)1,438Â (1,120)Net loss attributable to 3D Systems Corporation$(27,258)$(28,895)$(43,259)$(58,316)The following table summarizes long-lived assets by geographic region as of June 30, 2024 and December 31, 2023:(in thousands)June 30, 2024December 31, 2023United States$89,921Â $94,734Â Belgium19,439Â 21,524Â Other foreign entities16,187Â 18,783Â Total$125,547Â $135,041Â (16) Commitments and ContingenciesThe Company has certain purchase commitments under agreements with remaining terms in excess of a year primarily related to printer assemblies, inventory, capital expenditures, and software licenses. As of June 30, 2024, such purchase commitments totaled $19,720, with approximately $10,850 of the purchase obligations expected to be due within the next twelve months.IndemnificationIn the normal course of business, we periodically enter into agreements to indemnify customers or suppliers against claims of intellectual property infringement made by third parties arising from the use of our products. Historically, costs related to these indemnification provisions have not been significant, and we are unable to estimate the maximum potential impact of these indemnification provisions on our future results of operations.To the extent permitted under Delaware law, we indemnify our directors and officers for certain events or occurrences while the director or officer is, or was, serving at our request in such capacity, subject to limited exceptions. The maximum potential amount of future payments that we could be required to make under these indemnification obligations is unlimited; however, we have directors and officers insurance coverage that may enable us to recover future amounts paid, subject to a deductible and the policy limits. There is no assurance that the policy limits will be sufficient to cover all damages, if any.243D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Other CommitmentsGovernment SettlementBeginning in October 2017, the Company undertook an internal investigation relating to possible violations of U.S. export control laws, including the International Traffic in Arms Regulations administered by the Directorate of Defense Trade Controls of the Department of State (â€œDDTCâ€) and the Export Administration Regulations administered by the Bureau of Industry and Security of the Department of Commerce (â€œBISâ€). In February 2023, the Company settled these matters with the U.S. Department of Justice (â€œDOJâ€), DDTC and BIS. As a part of these settlement agreements, the Company agreed to pay $15,048 in civil monetary penalties to these agencies, with an additional $10,000 suspended penalty amount to be allocated to remedial compliance measures required by DDTC. The penalty amounts subject to payment were broken down as follows: DDTC, $10,000 (payable in three installments over a three-year period); BIS, $2,778; and DOJ, $2,270. During the six months ended June 30, 2024, we paid the second installment penalty of $3,500 in accordance with the DDTC settlement agreement. The original $10,000 suspended penalty has not been recognized as a liability, as it will be recognized as incurred for remedial compliance measures during the three-year term of the settlement agreement. The application of the Companyâ€™s spend on remedial compliance measures as a reduction to the original $10,000 suspended penalty must be approved by DDTC, which approval will be sought on an annual basis in accordance with the terms of the settlement agreement. In February 2024, the DDTC formally approved (1) the application of $2,294 of remedial compliance spend occurring during the year ended December 31, 2023 against the suspended penalty and (2) a reduction of the suspended penalty to $7,706. Any portion not expended for compliance measures at the end of the three-year term of the settlement agreement will be paid by the Company to DDTC.We initially accrued liabilities related to the foregoing matters during the year ended December 31, 2022, which included recording the $10,000 DDTC civil monetary penalty at a discount using the risk-free interest rate in effect at the time of recognition, due to the multiple annual periods over which the amount would be paid. We have made payments in accordance with the settlement terms and, as of June 30, 2024, the remaining unsettled liability related to the Government Settlement was $2,926, which is expected to be due by February 2025.Letter of CreditOn June 2, 2023, we issued $1,161 of guarantees in the form of a standby letter of credit as security for a long-term real estate lease. The letter of credit has a maturity date of June 2025 and includes automatic one-year extensions, which are not to continue beyond July 1, 2033. We have not recorded any liability for this guarantee, as we believe that the likelihood of having to perform under the letter of credit is remote. In connection with this transaction, we pledged an equal amount of cash to the issuing bank of this letter of credit. The cash pledged is recorded as restricted cash and included in other assets on our consolidated balance sheets.LitigationSecurities Class ActionThe Company and certain of its current and former executive officers were named as defendants in a consolidated putative stockholder class action lawsuit in the United States District Court for the Eastern District of New York. The action is styled In re 3D Systems Securities Litigation, No. 1:21-cv-01920-NGG-TAM (E.D.N.Y.) (the â€œSecurities Class Actionâ€). The complainant alleged that defendants violated the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), and SEC Rule 10b-5 promulgated thereunder by making false and misleading statements and omissions, and that the current and former executive officers named as defendants were control persons under Section 20(a) of the Exchange Act. The complainant sought monetary damages on behalf of the purported class. On October 28, 2022, the parties notified the District Court that they reached an agreement in principle resolving this action and, on December 19, 2022, Lead Plaintiff filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The District Court held a final fairness hearing on November 21, 2023 and subsequently entered the Order and Final Judgement approving the Securities Class Action settlement and dismissing the Securities Class Action claims with prejudice on January 4, 2024. The time for any party to appeal expired on February 5, 2024, and no appeals were filed. The matter is now concluded.In connection with the resolution of the Securities Class Action, we reached a settlement of $4,000, of which $749 was paid by the Company during the twelve months ended December 31, 2023 and the remaining $3,251 was paid by insurance during the twelve months ended December 31, 2023.253D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Derivative ActionsThe Company has been named as a nominal defendant and certain of its current and former executive officers and directors have been named as defendants in derivative lawsuits pending in the United States District Court for the Eastern District of New York, the South Carolina Court of Common Pleas for the 16th Circuit, York County, and the Supreme Court of the State of New York, Kings County. The actions are styled Nguyen v. Joshi, et al., No. 21-cv-03389-NGG-TAM (E.D.N.Y.) (the â€œNguyen Actionâ€), Lesar v. Graves, et al., No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the â€œLesar Actionâ€), Scanlon v. Graves, et al., No. 2021CP4602312 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the â€œScanlon Actionâ€), Bohus v. Joshi, et al., No. 22-cv-2203-CBA-RML (E.D.N.Y.) (the â€œBohus Actionâ€), and Fernicola v. Clinton, et. al., No. 512613/2022 (N.Y., Kings County Supreme Court) (the â€œFernicola Actionâ€) (together, the "Derivative Actions"). The Complaints in the Nguyen and Bohus Actions, which were filed on June 15, 2021 and April 18, 2022, respectively, assert breach of fiduciary duty claims against all defendants and claims for contribution under the federal securities laws against certain of the defendants. The Complaints in the Lesar and Scanlon Actions, which were filed on July 26, 2021, assert breach of fiduciary duty and unjust enrichment claims against the defendants. The Complaint in the Fernicola Action was filed on May 2, 2022, and asserts claims for breach of fiduciary duty and waste of corporate assets against the director defendants. On August 27, 2021, the Nguyen Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On October 26, 2021, the Lesar Action and the Scanlon Action were consolidated into a single stockholder derivative action, styled as In Re 3D Systems Corp. Shareholder Derivative Litigation, No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. Of York) (the â€œSouth Carolina Derivative Actionâ€). On March 3, 2022, the South Carolina Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On June 16, 2022, the Bohus Action was consolidated with the Nguyen Action (the â€œE.D.N.Y. Derivative Actionâ€). The E.D.N.Y. Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. The deadline for appealing the dismissal of the Securities Class Action expired on February 5, 2024 and no appeals were filed. Accordingly, the discovery stays in the South Carolina and E.D.N.Y. Derivative Actions lifted on March 6, 2024. On February 13, 2024, the parties to the Derivative Actions reached an agreement in principle resolving the actions. On April 30, 2024, the parties executed a Stipulation of Settlement. The settlement is subject to both preliminary and final approval by the Court of Common Pleas for the 16th Judicial Circuit, State of South Carolina, County of York (the "South Carolina Court"). On May 14, 2024, Lead Plaintiffs' Counsel filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The South Carolina Court granted preliminary approval during a hearing held on July 11, 2024. The final approval hearing is scheduled to occur in the South Carolina Court on October 21, 2024.The only monetary component of the Stipulation of Settlement is a $1,950 fee and expense award to counsel for plaintiffs in the Derivative Actions, all of which will be paid by insurance following final approval of the settlement by the Court.SEC Investigation On April 15, 2022, the Company was informed that the SEC is conducting a formal investigation of the Company related to, among other things, the allegations in the Securities Class Action. The Company has subsequently received subpoenas from the SEC for the production of documents and information related to its investigation as a follow on to a previous voluntary request for documents. The Company is cooperating with the SEC in connection with its formal investigation.Termination of Volumetric Milestones Related to Potential Earnout PaymentsFollowing the acquisition of Volumetric in 2021, the Company could have been required to pay up to $355,000 of acquisition-related earnout payments to the former owners of Volumetric if the Company were to achieve seven non-financial, science-based milestones prior to either December 31, 2030 or December 31, 2035 (refer to Note 11). Due to the loss of funding from the Company's key strategic partner for kidney and liver research and development efforts, the Company notified the former owners of Volumetric on February 24, 2024 that it was terminating the four milestones that related to those kidney and liver research and development efforts, as achievement was no longer financially viable. As a result of the termination of the four milestones, the Company's maximum liability for acquisition-related earnout payments was reduced to $175,000, which would have been payable if each of the three remaining non-financial, science-based milestones was achieved within the timeframes set forth in the Volumetric acquisition agreement. 263D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)On March 29, 2024, the former owners of Volumetric notified the Company that they were initiating dispute

resolution under the provisions of the acquisition agreement in an effort to recover the $355,000. The parties did not reach a resolution during the 30-day negotiation period following this notice and now have entered into non-binding mediation in accordance with the terms of the acquisition agreement.On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As discussed in Note 11, four of the seven Volumetric milestone-based earnout payments were previously cancelled as achievement was no longer deemed financially viable. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Presently, no lawsuit has been filed by the former owners of Volumetric to which milestone-based earnout payments were potentially payable, and there is no reasonable estimate or range of estimates of potential financial liability associated with this matter. On August 21, 2024, the Company proposed a settlement of $1,750 with the former shareholders and key employees of Volumetric during mediation. The proposed settlement was accrued as of June 30, 2024. As of AugustÂ 29, 2024, the mediation process between the parties remains ongoing. OtherIn May 2024, the Company became aware of a litigation matter involving claims against a Brazilian subsidiary of the Company by a former contractor for breach of contract relating to allegedly unpaid commissions and compensation owed as a result of the termination of the contractor. The amount at issue in this matter is approximately $800. The Company believes that the claims are without merit and continues to defend itself vigorously.We are involved in various other legal matters incidental to our business. Although we cannot predict the results of the litigation with certainty, we believe that the disposition of all of these various other legal matters will not have a material adverse effect, individually or in the aggregate, on our consolidated results of operations, consolidated cash flows or consolidated financial position.(17) Fair Value MeasurementsFair value is the exchange price to sell an asset or transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date. Fair value measurements use market data or assumptions market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs may be readily observable, corroborated by market data, or generally unobservable. Valuation techniques maximize the use of observable inputs and minimize use of unobservable inputs. The accounting guidance for fair value measurements and disclosures establishes a three-level fair value hierarchy:â€¢Level 1 - Inputs are based on quoted prices in active markets for identical assets and liabilities.â€¢Level 2 - Inputs are based on observable inputs other than quoted prices in active markets for identical or similar assets and liabilities.â€¢Level 3 - One or more inputs are unobservable and significant.Financial and nonfinancial assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.Cash equivalents are valued utilizing the market approach to measure fair value for financial assets and liabilities. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The carrying amounts of our cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities approximate fair value as of June 30, 2024 and December 31, 2023 because of the relatively short duration of these instruments. 273D SYSTEMS CORPORATIONNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Assets measured at fair value on a recurring basis as of June 30, 2024 include money market funds with a fair value of $125,512, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value. We did not have any transfers of assets and liabilities between Level 1, Level 2 and Level 3 of the fair value measurement hierarchy during the three and six months ended June 30, 2024.Assets measured at fair value on a recurring basis as of December 31, 2023 include money market funds with a fair value of $255,984, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value. (18) Restructuring and Exit Activity CostsRestructuring Plan Objectives and Status of ExecutionIn 2023, the Company commenced a multi-faceted restructuring plan (the â€œ2023 Restructuring Planâ€) to improve operating efficiencies throughout the organization and drive long-term value creation. The key initiatives of the plan, some of which are ongoing, were announced in 2023 and included:â€¢improving manufacturing efficiencies related to the Companyâ€™s European metal printer operations by (1) in-sourcing certain metal printer platforms into the Companyâ€™s Riom, France manufacturing facility and (2) co-locating the engineering and manufacturing of in-sourced metal printer products in order to improve cycle time from development to production;â€¢reducing headcount throughout all functions and areas of the organization;â€¢rationalizing the Company's geographic footprint through the exit of leased facilities; andâ€¢reducing certain third-party costs.As of June 30, 2024, the Company has substantially completed its in-sourcing activities. Actions taken to reduce headcount commenced during the year ended December 31, 2023, continued throughout the quarter ended June 30, 2024, and are expected to be substantially completed during the quarter ended September 30, 2024. Beginning during our fourth quarter ended December 31, 2023, and continuing throughout the quarter ended June 30, 2024, the Company (1) has been identifying and evaluating its opportunities to exit leased facilities, (2) has been both developing and starting to execute against its relocation plans, and (3) and is actively marketing facilities that have been successfully exited for sublease. The decision-making, planning and execution related to our planned facility exits will continue throughout 2024. In addition, the Company has ongoing actions related to the reduction of third-party costs. 2023 Restructuring Plan Costs, Cash Settlements and Recognized LiabilitiesSince inception of the 2023 Restructuring Plan, we have incurred $7,891 of severance charges related to headcount reductions, inclusive of $(402) and $(351) which has been recognized in our consolidated statement of operations for the three and six months ended June 30, 2024. These charges relate to employee severance and termination benefit costs that are generally recognized when probable and estimable because they are typically being determined consistent with the Companyâ€™s past practices or statutory law. During the quarter ended June 30, 2024, we recorded a reduction of approximately $1,000 from our severance accrual included in cost of sales as a result of the decision to continue to operate certain facilities during the second quarter, the reduction in severance costs was partially offset by incremental severance charges in selling, general and administrative expenses as well as research and development. We currently expect aggregate headcount reduction costs related to our 2023 Restructuring Plan activities not to exceed $9,000 when this initiative is completed.We may incur non-cash impairment charges as a result of exiting leased facilities if the carrying values of the related right-of-use asset balances and other related asset balances (e.g., leasehold improvements) will not be fully recoverable through our efforts to sublease an exited facility. Since inception of our 2023 Restructuring Plan, with the exception of certain amounts paid to terminate certain leases early, our consolidated financial statements have not reflected material transactions or charges resulting from decisions to exit facilities because either (1) the Company has not ceased use of a facility that it plans to exit or (2) an individual facility (and any related assets, as applicable) do not yet qualify to be measured for impairment separate from the asset group to which it has historically belonged, which would generally occur when we have entered into a sublease. During the six months ended June 30, 2024, we have paid $489 to terminate certain leases related to facilities identified as part of our facilities exit plan. In addition, during 2023 the Company recognized $628 of impairment charges related to certain fixed assets that were retired in connection with the Companyâ€™s restructuring activities. There have been no impairment charges related to fixed assets recognized during the three and six months ended June 30, 2024.The following table provides details regarding restructuring charges recorded and amounts that were settled with cash during the six months ended June 30, 2024 and June 30, 2023, as well as our remaining accrued liability reported in our consolidated balance sheet as of June 30, 2024 and June 30, 2023:(in thousands)June 30, 2024June 30, 2023Balance at beginning of period$3,933Â $â€”Â Costs incurred during the period(351)3,018Â Amounts settled with cash2,304Â 1,962Â Balance at the end of period$1,278Â $1,056Â The severance, termination benefits and other employee costs that have been incurred during the three and six months ended June 30, 2024 and June 30, 2023 are reflected in our consolidated statement of operations as follows:Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Total cost of sales$(1,025)$â€”Â (992)â€”Â Selling, general and administrative4303,018Â 448Â 3,018Â Research and development193â€”Â 193Â â€”Â Total(402)3,018Â (351)3,018Â (19) Subsequent EventsWe have evaluated subsequent events through the date these financial statements were issued and determined there were no events that required disclosure or recognition in these financial statements.28Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsThe following discussion and analysis should be read together with our unaudited condensed consolidated financial statements and notes thereto included in Item 1 of this Quarterly Report on Form 10-Q (the â€œFinancial Statementsâ€). Certain statements contained in this discussion may constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements involve a number of risks, uncertainties and other factors that may affect our future performance that are discussed in greater detail under the headings â€œForward Looking Statementsâ€ below; in Part II, Item 1A, "Risk Factors" of this Quarterly Report on Form 10-Q; and in Part I, Item 1A, "Risk Factors" of our Annual Report on Form 10-K for the year ended December 31, 2023 (â€œ2023 Form 10-Kâ€). Business Overview3D Systems Corporation (â€œ3D Systemsâ€ or the â€œCompanyâ€ or â€œwe,â€ "our" or â€œusâ€) markets our products and services through subsidiaries in North America and South America (collectively referred to as â€œAmericasâ€), Europe and the Middle East (collectively referred to as â€œEMEAâ€) and Asia Pacific and Oceania (collectively referred to as â€œAPACâ€). We provide comprehensive 3D printing and digital manufacturing solutions, including 3D printers for plastics and metals, materials, software, and services, including maintenance, advanced manufacturing and applications engineering. Our solutions support advanced applications in two key industry verticals: Healthcare Solutions and Industrial Solutions. We have over 35 years of experience and expertise, which have proven vital to our development of an ecosystem and end-to-end digital workflow solutions that enable customers to optimize product designs, transform workflows, bring innovative products to market and drive new business models.The Company has two reportable segments: Healthcare Solutions and Industrial Solutions. Our reportable segments are based upon the industry verticals that they serve. For Healthcare Solutions, those industry verticals include dental, medical devices, personalized health services and regenerative medicine. For Industrial Solutions, those industry verticals include aerospace, defense, transportation and general manufacturing. We architect solutions specific to customersâ€™ needs through a combination of materials, hardware platforms, software, professional services and advanced manufacturing â€“ creating a path to integrating additive manufacturing into traditional production environments. As a result, manufacturers achieve design freedom, increase agility, scale production and improve their overall total cost of operation. Our technologies and process knowledge enable over a million production parts to be made through additive manufacturing each day.Recent Developments and Updates Regarding Strategic InitiativesOngoing Fiscal Year 2023 Restructuring PlanRestructuring Plan Objectives and Status of ExecutionIn 2023, the Company commenced a multi-faceted restructuring plan (the â€œ2023 Restructuring Planâ€) to improve operating efficiencies throughout the organization and drive long-term value creation. The key initiatives of the plan, some of which are ongoing, were announced in 2023 and included:â€¢improving manufacturing efficiencies related to the Companyâ€™s European metal printer operations by (1) in-sourcing certain metal printer platforms into the Companyâ€™s Riom, France manufacturing facility and (2) co-locating the engineering and manufacturing of in-sourced metal printer products in order to improve cycle time from development to production;â€¢reducing headcount throughout all functions and areas of the organization;â€¢rationalizing the Company's geographic footprint through the exit of leased facilities; andâ€¢reducing certain third-party costs.As of June 30, 2024, the Company has substantially completed its in-sourcing activities. Actions taken to reduce headcount commenced during the year ended December 31, 2023, continued throughout the three and six months ended June 30, 2024, and are expected to be substantially completed during the quarter ended September 30, 2024. Beginning during our fourth quarter ended December 31, 2023, and continuing throughout the six months ended June 30, 2024, the Company (1) has been identifying and evaluating its opportunities to exit leased facilities, (2) has been both developing and has commenced execution against its relocation plans, and (3) is actively marketing facilities that have been successfully exited for sublease. The decision-making, planning and execution related to our planned facility exits will continue throughout 2024 and into 2025. In addition, the Company has ongoing actions related to the reduction of third-party costs. 292023 Restructuring Plan Costs, Cash Settlements and Recognized LiabilitiesSince inception of the 2023 Restructuring Plan, we have incurred $7.9 million related to headcount reductions. These charges relate to employee severance and termination benefit costs that are generally recognized when probable and estimable because they are typically being determined consistent with the Companyâ€™s past practices or statutory law. The severance, termination benefits and other employee costs that have been incurred during the six months ended June 30, 2024 and 2023 are reflected in our consolidated statement of operations as follows: (in thousands)June 30, 2024June 30, 2023Balance at beginning of period$3,933Â $â€”Â Costs incurred during the period(351)3,018Â Amounts settled with cash2,304Â 1,962Â Balance at the end of period$1,278Â $1,056Â As of June 30, 2024, we have incurred $0.5 million in lease termination costs and, during 2023, we recorded $0.6 million in incremental impairment charges related to certain fixed assets that have been retired in connection with the Companyâ€™s restructuring. We expect to incur additional cash expenditures related to our planned facility exits and relocation activities, which will be recognized as incurred. We also may incur non-cash impairment charges as a result of exiting leased facilities if the carrying values of the related right-of-use asset balances and other related asset balances (e.g., leasehold improvements) will not be fully recoverable through our efforts to sublease an exited facility. We currently expect aggregate annualized cost savings from our 2023 Restructuring Plan to be between $45.0 and $55.0 million when completed.Other Strategic Business Decisions and Cost Saving InitiativesOqtonThroughout the six months ended June 30, 2024, the Company continued to evaluate strategic alternatives related to Oqton, Inc. ("Oqton") MOS, for which the Company previously disclosed during the year ended December 31, 2023 that it is more likely than not the business would be sold or otherwise disposed of. In connection with the expectation to sell or otherwise dispose of Oqton MOS, management previously assessed whether the carrying value of this asset groupâ€™s long-lived assets was recoverable, which resulted in a full impairment of the asset group's intangible assets during the year ended December 31, 2023. No incremental impairment charges have been recognized with respect to the carrying values of the asset group's other assets during the three or six months ended June 30, 2024. As a result of the impairment of Oqton MOSâ€™s intangible assets during the year ended December 31, 2023, the Company has recognized lower amortization expense attributable to intangible assets for the three and six months ended June 30, 2024. During May 2024, the Company completed the sale of the portion of the Oqton MOS business that was focused on the dental market ("Oqton Dental") in exchange for a de minimis amount of cash, resulting in the transfer of a limited portion of Oqton MOS's personnel and a de minimis amount of fixed assets. The sale of Oqton Dental does not qualify as a discontinued operation, as it does not represent a strategic shift that will have a major effect on our overall business operations; however, the transfer of personnel is expected to provide cost savings from the date of the disposal of Oqton Dental. The Company continues to evaluate strategic alternatives related to the remaining portion of Oqton MOS that the Company continues to hold. Incremental Investment in NAMIIn May 2024, the Company made an incremental investment of $2.5 million in NAMI, the Company's joint venture with Dussur. Refer to Note 6 for additional details regarding this equity method investment.Investing in Regenerative MedicineWithin our Healthcare Solutions segment, a portion of our business focuses on opportunities for additive manufacturing to be applied to regenerative medicine. To date, our efforts in the area of regenerative medicine have consisted primarily of pre-commercial bio-technology research and development (â€œR&Dâ€) in the areas described below. 30Our first area of focus is the use of additive manufacturing for human organ transplantation, with a long-term goal of helping patients with end-stage disease receive transplants that will enable them to enjoy long and active lives. This program combines our 3D printing expertise and capabilities in human tissue engineering with the regenerative medicine and biotechnology expertise of a key strategic partner. Through the start of 2024, our program focused on developing the capability to print organ scaffolds for human lungs, kidneys and livers. However, beginning in the first quarter of 2024, due to changes to our arrangement with and funding from our key strategic partner, the Companyâ€™s continuing organ program shifted its focus to developing the capability to print human lung scaffolds, for which the related R&D efforts will continue to be primarily funded by our key strategic partner. Refer to Note 11 and Note 16 to the Financial Statements for additional information regarding the impact of the changes to this program.Our second area of focus seeks to utilize our bio-printing capabilities to design and manufacture 3D-printed vascularized â€œorgans-on-chipsâ€ for use in drug development by pharmaceutical industry customers through our wholly-owned biotech company, Systemic Bio. We believe that â€œorgans-on-chipsâ€ can accelerate the drug development process and reduce the cost of pre-clinical drug testing, as well as reduce the pharmaceutical industryâ€™s reliance on animal testing. Systemic Bio combines 3D Systemsâ€™ legacy expertise in high-resolution 3D printing with advanced capabilities in bioprinting and biomaterials to design and market 3D-printed, vascularized â€œorgans-on-chipsâ€. During the year ended December 31, 2023, Systemic Bio entered into its first commercial contracts with pharmaceutical industry customers.Acquisition of Wematter (See Note 2 to the Financial Statements for further details)On July 1, 2023, the Company completed the acquisition of Wematter AB (â€œWematterâ€), a Swedish 3D printer manufacturer, for which post-acquisition results are included in our Industrial Solutions segment. The acquisition broadens 3D Systemsâ€™ Selective Laser Sintering (SLS) portfolio. Consideration for this acquisition consisted of approximately $10.2 million in cash, subject to customary post-closing adjustments. The Company also may be required to pay an additional â‚¬2.0 million in cash,

contingent upon the achievement of certain post-closing performance conditions and the continued employment of certain key employees of Wematter for two years after the closing date of the acquisition. As of June 30, 2024, management does not believe that achievement of the post-closing performance conditions is probable.BackgroundWe earn revenue from the sale of products and services through our Healthcare Solutions and Industrial Solutions segments. The product categories include 3D printers and corresponding materials, digitizers, software licenses, 3D scanners and haptic devices. The majority of materials used in our 3D printers are proprietary. The services categories include maintenance contracts and services on 3D printers, software maintenance, software as a service subscriptions and healthcare solutions services.Given the relatively high price of certain 3D printers and a corresponding lengthy selling cycle, as well as relatively low unit volume of the higher-priced printers in any particular period, a shift in the timing and concentration of orders and shipments from one period to another can materially affect reported revenue in any given period.In addition to changes in sales volumes, there are two other primary drivers of changes in revenue from one period to another: (1) the combined effect of changes in product mix and average selling prices and (2) the impact of fluctuations in foreign currencies. As used in this Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations ("MD&A"), the price and mix effects relate to changes in revenue that are not able to be specifically attributed to changes in unit volume or changes in foreign exchange rates.How We Assess the Performance of Our BusinessWe manage operations through the two business segments described above. In addition to our consolidated GAAP financial measures, we review Adjusted EBITDA.We believe Adjusted EBITDA is a helpful supplemental measure to assist us and investors in evaluating our operating results, as Adjusted EBITDA excludes certain items for which the fluctuation from period to period does not necessarily correspond to changes in the operations of our business. Adjusted EBITDA represents net income (loss), plus income tax (provision) benefit, interest and other income (expense), net, stock-based compensation expense, amortization of intangible assets, depreciation expense, and certain other non-GAAP adjustments. We believe that the adjustments applied in presenting Adjusted EBITDA are appropriate to provide additional information to investors about our operating and financial performance without (1) the effect of certain material non-cash items and (2) certain items that we do not believe to be core to our operations.31Management and our Board of Directors regularly use Adjusted EBITDA in evaluating our operating and financial performance and in establishing discretionary annual compensation. This measure is provided in addition to, and should not be considered to be a substitute for, or superior to, comparable measures determined in accordance with GAAP. In addition, we believe that Adjusted EBITDA is frequently used by investors and other interested parties in the evaluation of other issuers, many of which also present Adjusted EBITDA when reporting their results in an effort to augment investors' understanding of their operating and financial results; however, similarly titled measures provided by other issuers may not be calculated in the same manner and/or using the same adjustments. Adjusted EBITDA should not be considered as an alternative to net income (loss) or any other performance measure derived in accordance with GAAP. Adjusted EBITDA has limitations as an analytical tool, and you should not consider such measure either in isolation or as a substitute for analyzing our results as reported under GAAP.For further information regarding Adjusted EBITDA, see â€œReconciliation of non-GAAP Measuresâ€ below.Consolidated Financial Results for the Three and six Months Ended June 30, 2024 and 2023Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Revenue:Products$71,733Â $89,165Â $135,784Â $173,553Â Services41,519Â 39,029Â 80,373Â 75,877Â Total revenue113,252Â 128,194Â 216,157Â 249,430Â Cost of sales:Products42,451Â 56,135Â 82,038Â 106,015Â Services23,703Â 22,043Â 46,099Â 46,301Â Total cost of sales66,154Â 78,178Â 128,137Â 152,316Â Gross profit47,098Â 50,016Â 88,020Â 97,114Â Operating expenses:Selling, general and administrative51,494Â 58,983Â 108,798Â 117,268Â Research and development22,016Â 22,762Â 45,496Â 44,971Â Total operating expenses73,510Â 81,745Â 154,294Â 162,239Â Loss from operations(26,412)(31,729)(66,274)(65,125)Interest and other income (expense), net:Foreign exchange (loss) gain, net(723)(1,273)1,186Â (1,645)Interest income 1,452Â 5,343Â 4,250Â 9,889Â Interest expense (624)(939)(1,338)(1,680)Other (expense) income, net384Â 83Â 21,770Â 525Â Total non-operating income489Â 3,214Â 25,868Â 7,089Â Loss before income taxes(25,923)(28,515)(40,406)(58,036)Provision for income taxes(476)(222)(1,847)(230)Loss on equity method investment, net of income taxes(902)(142)(1,149)(142)Net loss before redeemable non-controlling interest(27,301)(28,879)(43,402)(58,408)Less: net (loss) income attributable to redeemable non-controlling interest(43)16Â (143)(92)Net loss attributable to 3D Systems Corporation$(27,258)$(28,895)$(43,259)$(58,316)Other Financial Data:Adjusted EBITDA$(12,914)$(6,898)$(32,974)$(16,993)32Consolidated Operating Results for the Three Months Ended June 30, 2024 Compared to the Three Months Ended June 30, 2023Consolidated revenueThe following table sets forth changes in our products and services revenue for the three months ended June 30, 2024 and 2023.(Dollars in thousands)ProductsServicesTotalRevenue â€” three months ended June 30, 2023$89,165Â 69.6Â %$39,029Â 30.4Â %$128,194Â 100.0Â %Change in revenue:Volume(13,400)(15.0)%2,783Â 7.1Â %(10,617)(8.3)%Price/mix(3,298)(3.7)%â€”Ã â€”Ã %(3,298)(2.6)%Foreign currency translation(734)(0.8)%(293)(0.8)%(1,027)(0.8)%Net change(17,432)(19.6)%2,490Â 6.3Â %(14,942)(11.7)%Revenue â€” three months ended June 30, 2024$71,733Â 63.3Â %$41,519Â 36.7Â %$113,252Â 100.0Â %Products revenueFor the three months ended June 30, 2024, products revenue decreased by $17.4 million, or 19.6%, as compared to the three months ended June 30, 2023. This decrease is primarily attributable to lower sales volume. The $13.4 million, or 15.0%, decrease in products revenue due to lower sales volume reflects a $12.8 million decrease in revenue that is primarily attributable to lower printer and products sales and a $0.6 million decrease in revenue attributable to a lower volume of materials sales. Printer sales volume decreased for the three months ended June 30, 2024, compared to the three months ended June 30, 2023, due to (1) a significant decline in printer sales to our key customer in the dental industry, to which we also expect limited printer sales for the remainder of 2024, and (2) the general impact of macroeconomic conditions on printer sales more broadly across our business due to the capital expenditure nature of such customer purchases. Due to the high price of certain 3D printers, our total products revenue has been materially impacted by these period-over-period changes in the concentration of printer orders and shipments. In addition, products revenue decreased $2.1 million due to the loss of revenue attributable to our regenerative medicine kidney and liver R&D program, as well as a decrease in revenue recognized related to our regenerative medicine lung R&D program due to less R&D activity performed during the three months ended June 30, 2024. Refer to the discussion of "Investing in Regenerative Medicine" within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding the change to our organs R&D program that resulted in the loss of revenue attributable to kidney and liver research.A lower volume of materials sales contributed to a $0.6 million decrease in products revenue. This impact due to the change in the volume of materials sales reflects a significant increase in materials sold to our key customer in the dental industry, to which materials sales returned to normalized levels for the three months ended June 30, 2024, offset by lower volume of materials sales elsewhere in the business. During the three months ended June 30, 2023, we experienced lower volume of materials sales to our key customer in the dental industry due to the customer's higher inventory on hand during the period. During the three months ended June 30, 2024, materials sales were lower elsewhere in our business due to the slower sell through of inventory on-hand at certain customers.Products revenue for the three months ended June 30, 2024 decreased $3.3 million due to changes in price/mix, which reflects an unfavorable impact of the increased sales of materials to our key customer in the dental industry at lower pricing as compared to the three months ended June 30, 2023.33Services revenueFor the three months ended June 30, 2024, services revenue increased by $2.5 million, or 6.3%, as compared to the three months ended June 30, 2023. This increase was primarily driven by increases in personalized healthcare services revenue, an increase in parts and maintenance revenue related to the installed printer base at our key dental industry customer, and revenue generated from a significant Industrial Solutions services contract that had not been executed as of June 30, 2023, partially offset by a decrease in parts manufacturing revenue recognized by our Healthcare Solutions segment during the three months ended June 30, 2024. Total revenueFor the three months ended June 30, 2024, revenue decreased by $14.9 million, or 11.7%, as compared to the three months ended June 30, 2023. This decrease was primarily driven by the $17.4 million decrease in our products revenue, which was only partially offset by a $2.5 million increase in our services revenue. Refer to the discussions of products revenue and services revenue above for additional details.Consolidated gross profitThree Months EndedJune 30, 2024June 30, 2023Change in Gross ProfitChange in Gross Profit Margin(Dollars in thousands)Gross ProfitGross Profit MarginGross ProfitGross Profit Margin$%Percentage Points%Products$29,282Â 40.8Â %33,030Â 37.0Â %$(3,748)(11.3)%3.8Â 10.3Â %Services17,816Â 42.9Â %16,986Â 43.5Â %830Â 4.9Â %(0.6)(1.4)%Total$47,098Â 41.6Â %$50,016Â 39.0Â %$(2,918)(5.8)%2.6Â 6.7Â %Consolidated gross profit and gross profit marginOur consolidated gross profit for the three months ended June 30, 2024 decreased $2.9 million, or 5.8%, to $47.1 million, as compared to $50.0 million for the three months ended June 30, 2023. Our consolidated gross profit margin increased to 41.6% for the three months ended June 30, 2024, as compared to 39.0% for the three months ended June 30, 2023. Our consolidated gross profit was negatively impacted by the $14.9 million, or 11.7%, decrease in our consolidated revenue for the three months ended June 30, 2024. The decrease in our products revenue significantly exceeded the increase in our services revenue and, accordingly, the decrease in products gross profit due to lower products revenue was only partially offset by the increase in services gross profit attributable to higher services revenue.Partially offsetting the decrease in our consolidated gross profit attributable to our lower reported revenue is the 260 basis point increase in our consolidated gross profit margin for the three months ended June 30, 2024. This increase in our consolidated gross profit margin for the three months ended June 30, 2024 was primarily driven by the significant increase in the gross profit margin realized on our products revenue, which was only partially offset by the decrease in the gross margin realized on our services revenue. Our consolidated gross profit margin also increased due to the increase in services revenue as a percentage of total revenue for the three months ended June 30, 2024, when compared to the products revenue versus services revenue mix for the three months ended June 30, 2023. Refer to the discussions below for details regarding the factors that have impacted products and services gross profit and products and services gross profit margins for the three months ended June 30, 2024. 34Products gross profit and gross profit marginFor the three months ended June 30, 2024, gross profit from products sales decreased by $3.7 million, or 11.3%, as compared to the three months ended June 30, 2023. This decrease in gross profit from products sales is primarily due to the $17.4 million, or 19.6% decrease in products revenue. Partially offsetting the impact of the lower products revenue for the three months ended June 30, 2024 is the 380 basis point increase in the gross profit margin realized on our products revenue. The most significant contributors to the increase in our products gross profit margin are (1) the increase in higher margin materials revenue as a percentage of our total products revenue and (2) the impact of the Company's adjustment to its estimate of severance related costs. Services gross profit and gross profit marginFor the three months ended June 30, 2024, gross profit from services sales increased $0.8 million, or 4.9%, as compared to the three months ended June 30, 2023. The increase in services gross profit for the three months ended June 30, 2024 is primarily due to the $2.5 million, or 6.3%, increase in services revenue for the three months ended June 30, 2024. Partially offsetting the impact of the higher services revenue for the three months ended June 30, 2024 is the 60 basis point decrease in the gross profit margin realized on our services revenue. This decrease in realized services gross profit margin was primarily due to cost inflation.Consolidated selling, general and administrative expenseSelling, general and administrative ("SG&A") expense for the three months ended June 30, 2024 decreased $7.5 million, or 12.7%, to $51.5 million, as compared to $59.0 million for the three months ended June 30, 2023. The primary drivers of the $7.5 million decrease in SG&A expense reported for the three months ended June 30, 2024 are as follows:Primary drivers (in thousands)Increase / (Decrease)Compensation and benefits$(6,495)Amortization expense(1,052)Volumetric earnout978Â Audit, legal and third-party consulting costs 226Â Other(1,146)Total change$(7,489)Compensation expense and benefitsCompensation and benefits expense decreased by $6.5 million for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. This decrease was primarily driven by a $4.5 million decrease in stock-based and bonus incentive compensation expense and a $1.6 million decrease in severance expense. The decrease in stock-based compensation expense for the three months ended June 30, 2024 is primarily due to (1) the reversal of previously recognized expense as a result of the current period forfeitures of a significant volume of unvested awards that were held by employees terminated under the Company's 2023 Restructuring Plan and (2) the delayed grant of fiscal year 2024 annual share-based payment awards, which will not occur until after the Company holds its annual stockholder meeting, assuming the Company's stockholders approve the Company's amended and restated 2015 Incentive Plan. The decrease in stock-based compensation expense related to award forfeitures and delayed grants of new stock-based compensation awards during fiscal year 2024 has been partially offset by a significant increase in stock-based compensation expense recognized under the Company's separate Systemic Bio Phantom Unit Plan, as well as the accelerated vesting of shares that will be granted to settle the Company's dp polar earnout obligation. Refer to Note 11 to the Financial Statements for additional details regarding stock-based compensation recognized under the Company's Systemic Bio Phantom Unit Plan and related to the dp polar earnout.35Cash bonus expense for the three months ended June 30, 2024 and June 30, 2023 reflects the amount of cash bonus compensation required to be recognized to appropriately report the Company's bonus liability as of each respective balance sheet date. The liability reported as of each balance sheet date is based upon management's estimate of annualized bonus expense after consideration of the Company's performance relative to annual performance targets established under the bonus plan. Cash bonus expense recognized for the three months ended June 30, 2024 decreased as compared to the three months ended June 30, 2023 based upon management's estimates of fiscal year 2024 and fiscal year 2023 annual bonus expense as of the respective balance sheet dates. The decrease in severance expense recognized for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023, is due to the recognition of significantly higher severance and termination benefit charges under our 2023 Restructuring Plan during the prior year period. Under our 2023 Restructuring Plan, employee severance and termination benefit costs are generally recognized when probable and estimable because they are typically being determined consistent with the Companyâ€™s past practices or statutory law. Amortization expenseAmortization expense decreased by $1.1 million for the three months ended June 30, 2024 due to the impairment charges that reduced the carrying values of intangible assets included in the Oqton MOS and dp polar asset groups to $0 during the three months ended September 30, 2023 and December 31, 2023, respectively. Refer to the discussion of "Other Strategic Business Decisions and Cost Saving Initiatives" within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding the Company's recent actions taken with respect Oqton. Amortization expense attributable to intangible assets recorded in connection with the Company's July 1, 2023 acquisition of Wematter partially offset the lower amortization expense resulting from the impairment of the intangible asset balances previously included in the Oqton MOS and dp polar asset groups.Volumetric earnoutFor the three months ended June 30, 2023, the Company recognized a reversal of a portion of the previously accrued Volumetric earnout expense, as compared to the recognition of no expense for the three months ended June 30, 2024. The reversal of Volumetric expense in the prior year period was due to an increase in the estimated amount of time that it would take the Company to the achieve the non-financial, scientific milestone that would trigger the $65 million earnout payment that the Company had previously concluded was probable of becoming due in the future. During the quarter ended September 30, 2023, the Company ceased the recognition of compensation expense related to this potential $65 million earnout payment and reversed all compensation expense that previously had been recognized, as the Company concluded that the non-financial, science-based milestone to which the earnout payment related was no longer probable of being achieved given a reduction in the budgeted funding for the related R&D efforts. Furthermore, as a result of events that occurred during the six months ended June 30, 2024, the Company has notified the sellers of Volumetric that they are no longer eligible to earn any of the milestone-based earnout payments contemplated in the Volumetric acquisition agreement. Refer to the discussions in Note 11 and Note 16 to the Financial Statements, for additional details regarding the Company's cancellations of the Volumetric sellers' rights to future earnout payments, as well as actions taken in response to these cancellations.Audit, legal and third-party consulting costs Audit, legal and third-party consulting costs increased $0.2 million for the three months ended June 30, 2024 primarily due to significant increases in the cost to complete our fiscal year 2023 audit, including costs paid to our former independent registered public accounting firm, third-party accounting and finance consulting support costs, and costs incurred in connection with the Company's export control remedial compliance activities undertaken in lieu of payment of an additional settlement amount under the agreement reached with the DDTC in February 2023 (Refer to Note 16 to the Financial Statements). The increases in audit, third-party accounting support, and compliance costs were significantly offset by reductions in litigation and acquisition related legal costs. In addition, we incurred a significant amount of costs for the three months ended June 30, 2023 relating to our restructuring and finance transformation efforts that were not incurred in the three months ended June 30, 2024.36Consolidated research and development expenseR&D expense for the three months ended June 30, 2024 decreased $0.8 million, or 3.3%, to $22.0Â million as compared to $22.8Â million for the three months ended June 30, 2023. This decrease in R&D expense was primarily driven by cost savings realized under the Company's 2023 Restructuring Plan. Partially offsetting the cost savings from the Company's 2023 Restructuring Plan are increases in R&D costs related to (1) the year-over-year ramp up of activities performed by our wholly-owned bio-tech subsidiary, Systemic Bio, which is focused on the design and manufacture of 3D-printed vascularized â€œorgans-on-chipsâ€ for use in drug development by pharmaceutical industry customers and (2) R&D costs attributable to Wematter, which we acquired subsequent to the six months ended June 30, 2023. Refer to the discussions of "Investing in Regenerative Medicine" and "Acquisitions" in the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding Systemic Bio and the Wematter acquisition. Further offsetting the cost savings from the Company's 2023 Restructuring Plan is R&D

expense that continued to be incurred related to the kidney and liver regenerative medicine R&D program (1) after the focus of the Company's organ program with its strategic partner shifted solely to developing the capability to print lung scaffolds and (2) prior to fully winding down or reallocating the resources that had been committed to the kidney and liver program. Consolidated operating lossOur operating loss for the three months ended June 30, 2024 was $26.4 million, as compared to a $31.7 million operating loss for the three months ended June 30, 2023. Our reported operating loss for the three months ended June 30, 2024 decreased as the aggregate impacts of the increase in our gross profit realized on services revenue and decreases in reported SG&A expense and R&D expense exceeded the decrease in our gross profit resulting from our lower reported products revenue. Refer to the revenue, gross profit and cost discussions above for additional details.Consolidated Operating Results for the Six Months Ended June 30, 2024 Compared to the Six Months Ended June 30, 2023The following table sets forth changes in our products and services revenue for the six months ended June 30, 2024 and 2023.(Dollars in thousands)ProductsServicesTotalRevenue â€" six months ended June 30, 2023$173,553Â 69.6Â %$75,877Â 30.4Â %$249,430Â 100.0Â %Change in revenue:Volume(33,403)(19.2)%4,770Â 6.3Â %(28,633)(11.5)%Price/mix(3,597)(2.1)%1Â â€"Â %(3,596)(1.4)%Foreign currency translation(769)(0.4)%(275)(0.4)%(1,044)(0.4)%Net change(37,769)(21.8)%4,496Â 5.9Â %(33,273)(13.3)%Revenue â€" six months ended June 30, 2024$135,784Â 62.8Â %$80,373Â 37.2Â %$216,157Â 100.0Â %Products revenueFor the six months ended June 30, 2024, products revenue decreased by $37.8 million, or 21.8%, as compared to the six months ended June 30, 2023. This decrease is primarily attributable to lower sales volume. The $33.4 million, or 19.2%, decrease in products revenue due to lower sales volume reflects a $38.0 million decrease in revenue that is primarily attributable to a lower volume of printer and other products sales, partially offset by a $4.6 million increase in revenue attributable to a higher volume of materials sales. Printer sales volume decreased for the six months ended June 30, 2024 compared to the six months ended June 30, 2023 due to (1) a significant decline in printer sales to our key customer in the dental industry, to which we also expect limited printer sales for the remainder of 2024, and (2) the general impact of macroeconomic conditions on printer sales more broadly across our business due to the capital expenditure nature of such customer purchases. Due to the high price of certain 3D printers, our total products revenue has been materially impacted by these period-over-period changes in the concentration of printer orders and shipments. 37In addition, printer and products revenue decreased $4.9 million due to the loss of revenue attributable to our regenerative medicine kidney and liver R&D program, as well as lower revenue recognized related to our regenerative medicine lung R&D program due to less R&D activity performed during the six months ended June 30, 2024. Refer to the discussion of "Investing in Regenerative Medicine" within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding the change to our organs R&D program that resulted in the loss of revenue attributable to kidney and liver research.The decrease in products revenue attributable to the lower volume of printer sales and the decrease in R&D activity performed under our regenerative medicine organ program was partially offset by a $4.6 million increase in revenue attributable to a higher volume of materials sales. This increase in volume was primarily driven by increased materials sales to our key customer in the dental industry, which returned to normalized levels for the six months ended June 30, 2024. During the six months ended June 30, 2023, we experienced significantly lower materials sales to this key customer due to the customer's higher inventory on hand during the period. The higher volume of materials sales to our key customer in the dental industry were partially offset by lower materials sales volume elsewhere in our business, largely driven by slower sell through of materials inventory at certain customers.Products revenue for the six months ended June 30, 2024 decreased $3.6 million due to changes in price/mix, which primarily reflects an unfavorable impact of the increased sales of materials to our key customer in the dental industry at lower pricing as compared to the six months ended June 30, 2023. As materials sales volume decreased elsewhere in our business, materials sales to this key customer in the dental industry also represented a higher percentage of our total materials sales.Services revenueFor the six months ended June 30, 2024, services revenue increased by $4.5 million, or 5.9%, as compared to the six months ended June 30, 2023. This increase was primarily driven by increases in personalized healthcare services revenue, an increase in parts and maintenance revenue related to the installed printer base at our key dental industry customer, and revenue generated from a significant Industrial Solutions services contract that had not been executed as of June 30, 2023, partially offset by a decrease in parts manufacturing revenue recognized by our Healthcare Solutions segment during the six months ended June 30, 2024. Total revenueFor the six months ended June 30, 2024, revenue decreased by $33.3 million, or 13.3%, as compared to the six months ended June 30, 2023. This decrease was primarily driven by the $37.8 million decrease in our products revenue, which was only partially offset by a $4.5 million increase in our services revenue. Refer to the discussions of products revenue and services revenue above for additional details.Consolidated gross profitSix Months EndedJune 30, 2024June 30, 2023Change in Gross ProfitChange in Gross Profit Margin(Dollars in thousands)Gross ProfitGross Profit MarginGross ProfitGross Profit Margin$%Percentage Points%Products$53,746Â 39.6Â %67,538Â 38.9Â %$(13,792)
(20.4)%0.7Â 1.8Â %Services34,274Â 42.6Â %29,576Â 39.0Â %4,698Â 15.9Â %3.6Â 9.2Â %Total$88,020Â 40.7Â %$97,114Â 38.9Â %$(9,094)(9.4)%1.8Â 4.6Â %Consolidated gross profit and gross profit marginOur consolidated gross profit for the six months ended June 30, 2024 decreased $9.1 million, or 9.4%, to $88.0 million, as compared to $97.1 million for the six months ended June 30, 2023. Our consolidated gross profit margin increased to 40.7% for the six months ended June 30, 2024, as compared to 38.9% for the six months ended June 30, 2023. 38Our consolidated gross profit was negatively impacted by the $33.3 million, or 13.3%, decrease in our consolidated revenue for the six months ended June 30, 2024. The decrease in our products revenue significantly exceeded the increase in our services revenue and, accordingly, the decrease in products gross profit due to lower products revenue was only partially offset by the increase in services gross profit attributable to higher services revenue.Partially offsetting the decrease in our consolidated gross profit attributable to lower consolidated revenue is the 180 basis point increase in our consolidated gross profit margin for the six months ended June 30, 2024. This increase in our consolidated gross profit margin for the six months ended June 30, 2024 was driven by the significant increase in the gross profit margin realized on our services revenue, as well as the increase in services revenue as a percentage of total revenue, when compared to the products revenue versus services revenue mix for the six months ended June 30, 2023. Refer to the discussions below for details regarding the factors that have impacted products and services gross profit and products and services gross profit margins for the six months ended June 30, 2024. Products gross profit and gross profit marginFor the six months ended June 30, 2024, gross profit from products sales decreased by $13.8 million, or 20.4%, as compared to the six months ended June 30, 2023. This decrease in gross profit from products sales is primarily due to the $37.8 million, or 21.8% decrease in products sales revenue. Our gross profit margin improved to 39.6% for the six month periods ended June 30, 2024 compared to 38.9% for the six months ended June 30, 2023, respectively, due to the reduction of previously accrued severance. Services gross profit and gross profit marginFor the six months ended June 30, 2024, gross profit from services sales increased $4.7 million, or 15.9%, as compared to the six months ended June 30, 2023. The increase in services gross profit for the six months ended June 30, 2024 was driven by a $4.5 million, or 5.9%, increase in our reported services revenue, as well as a 360 basis point increase in services gross profit margin. The increase in services gross profit margin was due to a more favorable sales mix for the six months ended June 30, 2024 compared to June 30, 2023.Consolidated selling, general and administrative expenseSG&A expense for the six months ended June 30, 2024 decreased $8.5 million, or 7.2%, to $108.8 million, as compared to $117.3 million for the six months ended June 30, 2023. The primary drivers of the $8.5 million decrease in SG&A expense reported for the six months ended June 30, 2024 are as follows:Primary drivers (in thousands)Increase / (Decrease)Compensation and benefits$(7,736)Volumetric earnout(3,002)Amortization expense(2,121)Audit, legal and third-party consulting costs5,648Â Accrued contingency expense1,750Â Other(3,009)Total change$(8,470)Compensation and BenefitsCompensation and benefits expense decreased by $7.7 million for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This decrease was primarily driven by a $4.4 million decrease in stock-based and bonus incentive compensation expense and a $2.8 million decrease in severance expense. The decrease in stock-based compensation expense for the six months ended June 30, 2024 is primarily due to (1) the reversal of previously recognized expense as a result of the current period forfeitures of a significant volume of unvested awards that were held by employees terminated under the Company's 2023 Restructuring Plan and (2) the Company's delayed granting of fiscal year 2024 annual share-based payment 39awards, which will not occur until after the Company holds its annual stockholder meeting, assuming the Company's stockholders approve the Company's amended and restated 2015 Incentive Plan. The decrease in stock-based compensation expense related to award forfeitures and delayed grants of new stock-based compensation awards during fiscal year 2024 has been partially offset by a significant increase in stock-based compensation expense recognized under the Company's separate Systemic Bio Phantom Unit Plan, as well as the accelerated vesting of shares that will be granted to settle the Company's dp polar earnout obligation. Refer to Note 11 to the Financial Statements for additional details regarding stock-based compensation recognized under the Company's Systemic Bio Phantom Unit Plan and related to the dp polar earnout.Cash bonus expense for the six months ended June 30, 2024 and June 30, 2023 reflects the amount of cash bonus compensation required to be recognized to appropriately report the Company's bonus liability as of each respective balance sheet date. The liability reported as of each balance sheet date is based upon management's estimate of annualized bonus expense after consideration of the Company's performance relative to annual performance targets established under the bonus plan. Cash bonus expense recognized for the six months ended June 30, 2024 decreased as compared to the six months ended June 30, 2023 based upon management's estimates of fiscal year 2024 and fiscal year 2023 annual bonus expense as of the respective balance sheet dates. The decrease in severance expense recognized for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023, is due to the recognition of significantly greater severance and termination benefit charges under our 2023 Restructuring Plan during the prior year period. Under our 2023 Restructuring Plan, employee severance and termination benefit costs are generally recognized when probable and estimable because they are typically being determined consistent with the Companyâ€™s past practices or statutory law. Volumetric earnoutVolumetric earnout expense decreased by $3.0 million for the six months ended June 30, 2024 as the Company is no longer accruing compensation expense related to a $65 million earnout payment that was potentially payable to the sellers of Volumetric pursuant to the terms of the Volumetric acquisition agreement. However, during the six months ended June 30, 2023, the Company was accruing compensation expense related to this potential earnout payment as the conditions for payment were deemed probable of achievement. During the quarter ended September 30, 2023, the Company concluded that the non-financial, science-based milestone to which the potential earnout payment of $65 million related was no longer probable of being achieved due to a reduction in the budgeted funding for the related R&D efforts. Accordingly, all previously recognized compensation expense was reversed as of September 30, 2023, and the Company has ceased recognizing earnout compensation expense for all reporting periods occurring thereafter. Furthermore, as a result of events that have occurred during the six months ended June 30, 2024, the Company has notified the sellers of Volumetric that they are no longer eligible to earn any of the milestone-based earnout payments contemplated in the Volumetric acquisition agreement. Refer to the discussions in Note 11 and Note 16 to the Financial Statements, for additional details regarding the Company's cancellations of the Volumetric sellers' rights to future earnout payments, as well as actions taken in response to these cancellations.Amortization expenseAmortization expense decreased by $2.1 million for the six months ended June 30, 2024 due to the impairment charges that reduced the carrying values of intangible assets included in the Oqton MOS and dp polar asset groups to $0 during the three months ended September 30, 2023 and December 31, 2023, respectively. Refer to the discussion of "Other Strategic Business Decisions and Cost Saving Initiatives" within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding the Company's recent actions taken with respect Oqton. Amortization expense attributable to intangible assets recorded in connection with the Company's July 1, 2023 acquisition of Wematter partially offset the lower amortization expense resulting from the impairment of the intangible asset balances previously included in the Oqton MOS and dp polar asset groups.Audit, legal and third-party consulting costsAudit, legal and third-party consulting costs increased $5.6 million for the six months ended June 30, 2024 primarily due to significant increases in the cost to complete our fiscal year 2023 audit, including costs paid to our former independent registered public accounting firm, third-party accounting and finance consulting support costs, and costs incurred in connection with the Company's export control remedial compliance activities undertaken in lieu of payment of an additional settlement amount under the agreement reached with the DDTC in February 2023 (Refer to Note 16 to the Financial Statements). Partially offsetting the increases in expense discussed above, we incurred lower costs attributable to certain finance transformation activities for the six months ended June 30, 2024 compared to the six months ended June 30, 2023. 40Accrued contingency expenseAccrued contingency expense increased due to the accrual of $1.8 million relating to a proposed settlement with the former shareholders and key employees of Volumetric during mediation. Refer to Note 16 to the Financial Statements for additional details regarding the ongoing mediation with the former shareholders and key employees of Volumetric.Consolidated research and development expenseR&D expense for the six months ended June 30, 2024 increased $0.5 million, or 1.2%, to $45.5Â million as compared to $45.0 million for the six months ended June 30, 2023. This increase in R&D expense was partially due to (1) the year-over-year ramp up of activities performed by our wholly-owned bio-tech subsidiary, Systemic Bio, which is focused on the design and manufacture of 3D-printed vascularized â€œorgans-on-chipsâ€ for use in drug development by pharmaceutical industry customers and (2) R&D costs attributable to Wematter, which we acquired subsequent to the six months ended June 30, 2023. Refer to the discussions of "Investing in Regenerative Medicine" and "Acquisitions" in the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A for additional details regarding Systemic Bio and the Wematter acquisition. In addition, the increase in reported R&D expense is partially due to R&D expense that continued to be incurred related to the kidney and liver regenerative medicine R&D program (1) after the focus of the Company's organ program with its strategic partner shifted solely to developing the capability to print lung scaffolds and (2) prior to fully winding down or reallocating the resources that had been committed to the kidney and liver program. Offsetting the increases to R&D costs noted above are cost savings attributable to the Company's 2023 Restructuring Plan.Consolidated operating lossOur operating loss for the six months ended June 30, 2024 was $66.3 million, as compared to a $65.1 million operating loss for the six months ended June 30, 2023. The increase in our operating loss for the six months ended June 30, 2024 is due to lower products revenue, resulting in lower related gross profit, and higher R&D costs. The decrease in gross profit from product sales and increase in R&D costs were partially offset by an increase in services revenue and related gross profit and lower SG&A costs. Refer to the revenue, gross profit, and cost discussions above for additional details.Non-Operating Income (Loss) for the Three and Six Months Ended June 30, 2024 compared to the Three and Six Months Ended June 30, 2023Other income, netThe following table sets forth the components of non-operating income for the three and six months ended June 30, 2024 and 2023.Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Non-operating income (expense):Foreign exchange (loss) gain, net(723)(1,273)$1,186Â $(1,645)Interest income 1,452Â 5,343Â 4,250Â 9,889Â Interest expense (624)(939)(1,338)(1,680)Other income, net384Â 83Â 21,770Â 525Â Total non-operating income$489Â $3,214Â $25,868Â $7,089Â Interest incomeFor the three and six months ended June 30, 2024, interest income decreased as compared to the three and six months ended June 30, 2023 due to the Company's lower cash and cash equivalent balances during and as of three and six months ended June 30, 2024.Interest expenseFor the three and six months ended June 30, 2024, interest expense decreased as compared to the three and six months ended June 30, 2023 due to the Company's repurchases of debt in December of 2023 and March of 2024. In connection with each of these repurchases of debt, the Company wrote off a portion of the unamortized debt issuance costs, which resulted in lower amortization of debt issuance costs and, accordingly, interest expense for the three and six months ended June 30, 2024.41Other income, netFor the three months ended June 30, 2024, other income, net was relatively flat as compared to the three months ended June 30, 2023. For the six months ended June 30, 2024, other income, net increased, as compared to the six months ended June 30, 2023, primarily due to the recognition of a $21.5 million gain on the extinguishment of debt during the six months ended June 30, 2024.Net lossThe following table sets forth the net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and 2023.Three Months EndedSix Months Ended(in thousands, except per share amounts)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Loss before income taxes$(25,923)$(28,515)$(40,406)$(58,036)Provision for income taxes(476)(222)(1,847)(230)Loss on equity method investment, net of income taxes(902)(142)(1,149)(142)Net loss before redeemable non-controlling interest(27,301)(28,879)(43,402)(58,408)Less: net (loss) income attributable to redeemable non-controlling interest(43)16Â (143)(92)Net loss attributable to 3D Systems Corporation$(27,258)$(28,895)$(43,259)$(58,316)Net loss per common share:Basic(0.21)(0.22)(0.33)(0.45)Diluted(0.21)(0.22)(0.33)(0.45)Provision for income taxesOur tax provision for the three months ended June 30, 2024 was $0.5Â million as compared to $0.2Â million for the three months ended June 30, 2023. Taxes reported for the three months ended June 30, 2024 and June 30, 2023 were (1) de minimis, (2) provisions, rather than tax benefits, and (3) significantly below both our U.S. and foreign jurisdictions' statutory rates due to the Company's reported losses and the recognition of valuation allowances against the resulting deferred tax assets in the jurisdictions where the losses have occurred.Our tax provision for the six months ended June 30, 2024 was $1.8 million, as compared to $0.2 million for the six months ended June 30, 2023. Taxes reported for the six months ended June 30, 2024 and June 30, 2023 were (1) de minimis, (2) provisions, rather than tax benefits, and (3) significantly below both our U.S. and foreign jurisdictions' statutory rates due to the Company's reported losses and the recognition of valuation allowances against the resulting deferred tax assets in the

jurisdictions where the losses have occurred. The increase in our tax provision for the six months ended June 30, 2024 was due to increased valuation allowances recorded at certain foreign entities during the period to eliminate the previously anticipated benefit of our deferred tax assets recorded at these entities. Loss on equity method investment, net of income taxesWe hold a 49% investment ownership interest in a joint venture, NAMI, that we account for under the equity method of accounting. (Refer to Note 6 to the Financial Statements for further details.) Under the equity method of accounting, we recognize our proportionate share of NAMI's reported net income or reported net losses ("equity method income" or "equity method losses", respectively) on a one quarter lag, and we defer the recognition of 49% of intra-entity profits related to products that the Company has sold to NAMI that continue to remain on NAMI's balance sheet. The increase in the reported loss on equity method of investment for both the three and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2023, primarily reflects increased losses reported by NAMI and our application of the equity method of accounting to this investment. In addition, our reported loss on equity method investment for the six months ended June 30, 2024 reflects the recognition of equity method losses for a six-month period; whereas, for the six months ended June 30, 2023, we did not commence the recognition of equity method losses until April 1, 2023 due to the timing of our investment in this joint venture and our recognition of equity method losses on a one quarter lag. 42Net loss attributable to 3D Systems CorporationOur reported net loss attributable to 3D Systems Corporation remained relatively unchanged for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. Although our loss from operations decreased by $5.3 million for the three months ended June 30, 2024, this decrease was substantially offset by the $2.7 million decrease in our non-operating income and the $0.8 million increase in our loss on equity method investment for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. Refer to the discussions above for details regarding the factors that contributed to our lower reported loss from operations, lower reported non-operating income, and higher loss on equity method investment for the three months ended June 30, 2024.Our reported net loss attributable to 3D Systems Corporation decreased $15.1 million for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This decrease in our reported loss was primarily driven by an $18.8 million increase in our non-operating income for the six months ended June 30, 2024, which is mainly attributable to the $21.5 million gain recognized on debt extinguishment during the period. Partially offsetting the increase in our non-operating income for the six months ended June 30, 2024 are a $1.1 million increase in our loss from operations, $1.6 million increase in our income tax provision, and a $1.0 million increase in our loss on equity method investment, net of income taxes for the period. Refer to the discussions above for details regarding the factors that contributed to our higher reported loss from operations, higher tax provision, higher loss on equity method investment, and higher reported non-operating income for the six months ended June 30, 2024.Non-GAAP EarningsAdjusted EBITDAOur Adjusted EBITDA decreased from negative $6.9 million for the three months ended June 30, 2023 to negative $12.9 million for the three months ended June 30, 2024. This decrease in our Adjusted EBITDA is the result of the decrease in our reported revenue for the three months ended June 30, 2024, which was not offset by an equivalent decrease in our core operating costs. Although our reported operating loss improved by $5.3 million for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023, our reported operating losses for each period include certain non-cash and certain non-core operating expenses that are excluded from the determination of Adjusted EBITDA. For the three months ended June 30, 2024, amounts incurred for (1) non-cash depreciation expense, amortization expense, and stock-based compensation expense and (2) non-core acquisition and divestiture expense, legal and other related costs, and restructuring expense were significantly less than amounts incurred for the three months ended June 30, 2023. Accordingly, after adjustment of our GAAP results for these non-cash and non-core operating costs incurred in each period, our Adjusted EBITDA decreased by $6.0 million for the three months ended June 30, 2024, notwithstanding the improvement in our reported operating income. Refer to the reconciliation of our reported Net Loss to Adjusted EBITDA (below) for additional details regarding the amounts incurred related to non-cash and non-core operating expenses, as well as amounts incurred related to non-operating expenses, during the three months ended June 30, 2024 and June 30, 2023. Our Adjusted EBITDA decreased from negative $17.0 million for the six months ended June 30, 2023 to negative $33.0 million for the six months ended June 30, 2024. This decrease in our Adjusted EBITDA is the result of the decrease in our reported revenue for the six months ended June 30, 2024, which was not offset by an equivalent decrease in our core operating costs. Although our reported operating loss only increased by $1.1 million for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023, our reported operating losses for each period include certain non-cash and certain non-core operating expenses that are excluded from the determination of Adjusted EBITDA. For the six months ended June 30, 2024, amounts incurred for (1) non-cash depreciation expense, amortization expense, and stock-based compensation expense and (2) non-core acquisition and divestiture expenses and restructuring expense were significantly less than amounts incurred for the six months ended June 30, 2023. Accordingly, after adjustment of our GAAP results for these non-cash and non-core operating costs incurred in each period, our Adjusted EBITDA decreased by $16.0 million for the six months ended June 30, 2024. Refer to the reconciliation of our reported Net Loss to Adjusted EBITDA (below) for additional details regarding the amounts incurred related to non-cash and non-core operating expenses, as well as amounts incurred related to non-operating expenses, during the six months ended June 30, 2024 and June 30, 2023. Reconciliation of Non-GAAP MeasuresThe table that follows provides a reconciliation of the Company's reported Net Loss to Adjusted EBITDA. Refer to the discussion of "How We Assess the Performance of Our Business" for additional information regarding Adjusted EBITDA, and why management believes this measure provides useful information regarding the Company's results of operations.43Three Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023June 30, 2024June 30, 2023Net Loss$(27,258)$(28,895)$(43,259)$(58,316)Interest (income) expense, net(828)(4,404)(2,912)(8,209)Provision (benefit) for income taxes476Â 222Â 1,847Â 230Â Depreciation expense4,910Â 5,294Â 9,870Â 10,606Â Amortization expense2,589Â 3,258Â 4,902Â 6,497Â Stock-based compensation expense3,389Â 7,990Â 11,574Â 18,282Â Acquisition and divestiture-related expense181Â 1,512Â 234Â 4,188Â Legal and other related costs2,342Â 2,656Â 6,582Â 2,735Â Restructuring expense87Â 4,121Â 138Â 5,824Â Redeemable non controlling interest(43)16Â (143)(92)Loss on equity method investments, net of tax902Â 142Â 1,149Â 142Â Gain on repurchase of debtâ€“Â â€“Â (21,518)â€“Â Other non-operating (income) expense, net339Â 1,190Â (1,438)1,120Â Adjusted EBITDA$(12,914)$(6,898)$(32,974)$(16,993)Segment Financial Results for the Three Months Ended June 30, 2024 and 2023 The Company has two reportable segments: Healthcare Solutions and Industrial Solutions. Our reportable segments are based upon the industry verticals that they serve and reflect how we report our financial results to the Company's chief operating decision maker ("CODM"). Our CODM evaluates the performance of our reportable segments based upon Segment Revenue and Segment Adjusted EBITDA. Segment Adjusted EBITDA excludes (1) expenses related to corporate functions such as human resources, finance, and legal, inclusive of salaries, benefits, and other related costs, and (2) the non-cash and non-core operating expenses and non-operating income and expenses that we exclude from our calculation of consolidated Adjusted EBITDA (as reflected in our reconciliation of our consolidated Net Loss to Adjusted EBITDA above). Unallocated corporate expenses are not discussed separately as any variances that had a significant impact on our operating results for the three months and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2023, are addressed in the discussions of our â€œConsolidated Operating Results for the Three Months Ended June 30, 2024 Compared to the Three Months Ended June 30, 2023â€ and â€œConsolidated Operating Results for the Six Months Ended June 30, 2024 Compared to the Six Months Ended June 30, 2023â€ included above.The following table presents revenue and Adjusted EBITDA for our Healthcare Solutions segment and our Industrial Solutions segment for the three months ended June 30, 2024 and 2023:Segment RevenueSegment Adjusted EBITDAThree Months EndedThree Months Ended(in thousands)June 30, 2024June 30, 2023Â ChangeJune 30, 2024June 30, 2023Â ChangeHealthcare Solutions$48,900Â $60,874Â $(11,974)$8,772Â $11,394Â $(2,622)Industrial Solutions64,352Â 67,320Â (2,968)3,358Â 2,264Â 1,094Â Total Segment Results$113,252Â $128,194Â $(14,942)$12,130Â $13,658Â $(1,528)Healthcare SolutionsRevenueFor the three months ended June 30, 2024, Healthcare Solutions revenue decreased $12.0 million, or 19.7%, as compared to the three months ended June 30, 2023. This decrease in segment revenue was driven by a $12.8 million decrease in products revenue, consisting of revenue from printers, products and materials sales, partially offset by a $0.8 million increase in services revenue. 44For the three months ended June 30, 2024, the $12.8 million decrease in Healthcare Solutions products revenue was primarily driven by an $8.6 million decrease in revenue attributable to lower sales volume and a $4.0 million decrease in revenue attributable the unfavorable impact of price/mix. The $8.6 million decrease in revenue attributable to lower sales volume reflects a $13.4 million decrease in printer and products revenue due to lower sales volume, which was only partially offset by a $4.8 million increase in materials revenue due to higher sales volume. For the three months ended June 30, 2024, a significant decline in printer sales to our key customer in the dental industry was the largest contributor to the lower printer and products sales volume and revenue. We expect limited printer sales to this key customer in the dental industry for the remainder of 2024, as this customer significantly expanded its printer capacity between 2022 and the quarter ended June 30, 2023. Partially offsetting the impact of the decline in printer sales to this key customer in the dental industry was an increase in the volume of materials sold to this customer, which also represents the largest contributor to the increase in revenue attributable to higher materials sales volume during the three months ended June 30, 2024. Sales of materials to this key customer returned to normalized levels; whereas, we experienced lower material sales to this key customer during the three months ended June 30, 2023 due to the customer's higher inventory on hand during the prior year period. In addition, the $13.4 million decrease in printer and products revenue due to lower sales volume includes a $2.1 million decrease in revenue attributable to our regenerative medicine collaborative arrangement with a key strategic partner. Lower revenue attributable to this program is due to the loss of funding for kidney and liver R&D efforts under the collaborative arrangement with this key strategic partner, as well as a decrease in funded lung R&D activity performed under the collaborative arrangement during the three months ended June 30, 2024. Refer to the discussion of "Investing in Regenerative Medicine", within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A, for details regarding the changes to this regenerative medicine program during the current fiscal year.For the three months ended June 30, 2024, the $4.0 million unfavorable impact of price/mix on the products revenue reported by our Healthcare Solutions segment was primarily due to (1) the increase in materials sold to our key customer in the dental industry, both relative to the three months ended June 30, 2023 and as a percentage of the total materials sales, and (2) the lower pricing of the materials sales to this key dental industry customer for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. During the quarter ended June 30, 2024, the Company executed a new materials sales contract with this key dental industry customer, under which material sales to this key dental industry customer are expected to continue to exceed prior year levels for the remainder of the current year, but the pricing of the materials sold to this key dental customer is expected to remain lower than prior year's pricing for the remainder of the current year, including due to volume pricing discounts. Accordingly, price/mix is expected to continue to have an unfavorable impact on our Health Solutions materials and total revenue for the remainder of the current year.The $0.8 million increase in Healthcare Solutions services revenue primarily relates to higher revenue attributable to personalized healthcare services, higher maintenance revenue related to the installed printer base at our key dental industry customer, and higher regenerative medicine milestone-based revenue during the period. Collectively, these increases in services revenue exceeded the decrease in parts manufacturing revenue for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023.Adjusted EBITDAFor the three months ended June 30, 2024, Adjusted EBITDA for our Healthcare Solutions segment decreased $2.6 million, or 23.0%, as compared to the three months ended June 30, 2023. The most significant contributor to this decrease in Adjusted EBITDA was the 19.7% decrease in segment revenue. For the three months ended June 30, 2024, the Healthcare Solutions segment realized (1) an increase in gross profit margin due to the change in the revenue mix between lower margin printers and products and higher margin materials and services revenue and (2) SG&A cost savings as a result of the Company's ongoing restructuring plan that commenced during fiscal year 2023. However, the higher gross profit margin realized on segment revenue and SG&A cost savings did not offset the overall decrease in segment revenue and higher segment R&D costs attributable to our various pre-commercial regenerative medicine activities. Industrial SolutionsRevenueFor the three months ended June 30, 2024, Industrial Solutions revenue decreased $3.0 million, or 4.4%, as compared to the three months ended June 30, 2023. This decrease in segment revenue was driven by a $4.7 million decrease in products revenue, partially offset by a $1.7 million increase in services revenue. 45For the three months ended June 30, 2024, the $4.7 million decrease in Industrial Solutions products revenue was primarily due to a $4.8 million decrease in revenue attributable to lower sales volume, as a $0.7 million favorable impact of price/mix was substantially offset by a $0.6 million unfavorable impact of changes in foreign exchange rates. A $4.2 million decrease in materials revenue, primarily driven by lower sales volume, was the primary factor resulting in the $4.7 million decrease in products revenue. This decrease in the volume of materials sales was primarily driven by slower sell through at certain customers.The $1.7 million increase in Industrial Solutions services revenue primarily relates to increased parts manufacturing revenue, as well as revenue generated from a significant contract that had not been executed as of June 30, 2023.Adjusted EBITDAFor the three months ended June 30, 2024, Adjusted EBITDA for our Industrial Solutions segment increased $1.1 million, or 48.3%, as compared to the three months ended June 30, 2023. This increase in Adjusted EBITDA, notwithstanding the 4.4% decrease in segment revenue is primarily due to SG&A and R&D cost savings attributable to the Company's 2023 Restructuring Plan, which exceeded the decrease in segment gross profit due to lower reported revenue.Segment Financial Results for the Six Months Ended June 30, 2024 and 2023 Segment RevenueSegment Adjusted EBITDASix Months EndedSix Months Ended(in thousands)June 30, 2024June 30, 2023Â ChangeJune 30, 2024June 30, 2023Â ChangeHealthcare Solutions$94,313Â $109,599Â $(15,286)$12,492Â $16,459Â $(3,967)Industrial Solutions121,844Â 139,831Â (17,987)5,440Â 9,166Â (3,726)Total Segment Results$216,157Â $249,430Â $(33,273)$17,932Â $25,625Â $(7,693)Healthcare SolutionsRevenueFor the six months ended June 30, 2024, Healthcare Solutions revenue decreased $15.3 million, or 13.9%, as compared to the six months ended June 30, 2023. This decrease in segment revenue was driven by a $16.7 million decrease in products revenue, consisting of revenue from printers, products and materials sales, partially offset by a $1.4 million increase in services revenue. For the six months ended June 30, 2024, the $16.7 million decrease in Healthcare Solutions products revenue was primarily driven by an $8.6 million decrease in revenue attributable to lower sales volume and an $8.0 million decrease in revenue attributable the unfavorable impact of price/mix. The $8.6 million decrease in revenue attributable to lower sales volume reflects a $28.6 million decrease in printer and products revenue due to lower sales volume, which was only partially offset by a $20.0 million increase in materials revenue due to higher sales volume. For the six months ended June 30, 2024, a significant decline in printer sales to our key customer in the dental industry was the largest contributor to the lower printer and products sales volume and revenue. We expect limited printer sales to this key customer in the dental industry for the remainder of 2024, as this customer significantly expanded its printer capacity between 2022 and the quarter ended June 30, 2023. Partially offsetting the impact of the decline in printer sales to this key customer in the dental industry was an increase in the volume of materials sold to this customer, which also represents largest contributor to the increase in revenue attributable to higher materials sales volume during the six months ended June 30, 2024. Sales of materials to this key customer returned to normalized levels; whereas, we experienced significantly lower material sales volume to this key customer during the six months ended June 30, 2024 due to the customer's higher inventory on hand during the prior year period.46In addition, the $28.6 million decrease in printer and products revenue due to lower sales volume includes a $4.9 million decrease in revenue attributable to our regenerative medicine collaborative arrangement with a key strategic partner. Lower revenue attributable to this program is due to the loss of funding for kidney and liver R&D efforts under the collaborative arrangement with this key strategic partner, as well as a decrease in funded lung R&D activity performed under the collaborative arrangement during the six months ended June 30, 2024. Refer to the discussion of "Investing in Regenerative Medicine", within the "Recent Developments and Updates Regarding Strategic Initiatives" section of this MD&A, for details regarding the changes to this regenerative medicine program during the current fiscal year.For the six months ended June 30, 2024, the $8.0 million unfavorable impact of price/mix on products revenue reported by our Healthcare Solutions segment was primarily due to (1) the increased sales of materials to our key customer in the dental industry, both relative to the six months ended June 30, 2023 and as a percentage of the total materials sales, and (2) the lower pricing of the materials sales to this key dental industry customer for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. During the quarter ended June 30, 2024, the Company executed a new materials sales contract with this key dental industry customer, under which material sales to this key dental industry customer are expected to continue to exceed prior year levels for the remainder of the current year, but the pricing of the materials sold to this key dental customer is expected to remain lower than prior year's pricing for the remainder of the current year, including due to volume pricing discounts. Accordingly, price/mix is expected to continue to have an unfavorable impact on our Health Solutions materials and total revenue for the remainder of the current year.The $1.4 million increase in Healthcare Solutions services revenue primarily relates to higher revenue attributable to personalized healthcare services, higher maintenance revenue related to the installed printer base at our key dental industry customer, and higher regenerative medicine milestone-based revenue during the period. Collectively, these increases in services revenue exceeded the decrease in parts manufacturing revenue for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023.Adjusted EBITDAFor the six months ended June 30, 2024, Adjusted EBITDA for our Healthcare Solutions segment decreased $4.0 million, or

24.1%, as compared to the six months ended June 30, 2023. A significant contributor to this decrease in Adjusted EBITDA was the 13.9% decrease in segment revenue. For the six months ended June 30, 2024, the Healthcare Solutions segment realized both (1) an increase in gross profit margin due to the change in the revenue mix between lower margin printers and products and higher margin materials and services revenue and (2) SG&A cost savings as a result of the Company's ongoing restructuring plan activities that commenced during fiscal year 2023. However, the higher gross profit margin realized on segment revenue and SG&A cost savings did not offset the overall decrease in segment revenue and higher segment R&D costs attributable to our various pre-commercial regenerative medicine activities.Industrial SolutionsRevenueFor the six months ended June 30, 2024, Industrial Solutions revenue decreased $18.0 million, or 12.9%, as compared to the six months ended June 30, 2023. This decrease in segment revenue was driven by a $21.1 million decrease in products revenue, consisting of revenue from printers, products and materials sales, partially offset by a $3.1 million increase in services revenue. For the three months ended June 30, 2024, the $21.1 million decrease in Industrial Solutions products revenue was primarily due to lower sales volumes for both printers and materials. Lower printer sales volume and revenue for the six months ended June 30, 2024 is due to a concentration of significant printer sales arrangements occurring during the first quarter of prior year; whereas, the Company did not benefit from similar arrangements during the first quarter of the current year period. Revenue from printer sales during the second quarter of the current year and the second quarter of the prior year was relatively flat. Materials sales revenue for the six months ended June 30, 2024 decreased $11.7 million, as compared to the six months ended June 30, 2024, primarily driven by slower sell through at certain customers.The $3.1 million increase in Industrial Solutions services revenue primarily relates to increased parts manufacturing revenue, as well as revenue generated from a significant contract that had not been executed as of June 30, 2023.47Adjusted EBITDAFor the six months ended June 30, 2024, Adjusted EBITDA for our Industrial Solutions segment decreased $3.7 million, or 40.7%, as compared to the three months ended June 30, 2023. This decrease in Adjusted EBITDA is primarily attributable to the substantial decrease in segment gross profit attributable to the 12.9% decrease in segment revenue for the six months ended June 30, 2024, which was only partially offset by lower SG&A and R&D costs attributable to the execution of the Company's 2023 Restructuring Plan.Liquidity and Capital ResourcesThe following table sets forth the Company's operating working capital at June 30, 2024 and December 31, 2023.Change(Dollars in thousands)June 30, 2024December 31, 2023$%Cash and cash equivalents$192,732Â $331,525Â $(138,793)(41.9)%Accounts receivable, net97,447Â 101,497Â (4,050)(4.0)%Inventories141,743Â 152,188Â (10,445)(6.9)%431,922Â 585,210Â (153,288)(26.2)%Less:Current lease liabilities9,481Â 9,924Â (443)(4.5)%Accounts payable41,272Â 49,757Â (8,485)(17.1)%Accrued and other liabilities45,282Â 49,460Â (4,178)(8.4)%96,035Â 109,141Â (13,106)(12.0)%Operating working capital$335,887Â $476,069Â $(140,182)(29.4)%We assess our liquidity in terms of our ability to generate cash to fund our operating, investing and financing activities. In doing so, we review and analyze our current cash on hand, the number of days our sales are outstanding, inventory turns, capital expenditure commitments and accounts payable turns. Our cash requirements, excluding acquisitions, primarily consist of funding working capital and capital expenditures. Differences between the amounts of working capital item changes in the cash flow statement and the balance sheet changes for the corresponding items are primarily the result of foreign currency translation adjustments, acquisitions and divestitures.At June 30, 2024, cash and cash equivalents totaled $192.7Â million and decreased $138.8 million since December 31, 2023. This decrease resulted primarily from cash used in operations of $36.3 million, capital expenditures of $7.2Â million, and repayment on borrowings of $87.2 million.Cash held outside the U.S. at June 30, 2024 was $59.9Â million, or 31.1% of total cash and cash equivalents, compared to $65.8Â million, or 19.8% of total cash and cash equivalents, at December 31, 2023. As our previously unremitted earnings have been subjected to U.S. federal income tax, we expect any repatriation of these earnings to the U.S. (e.g., via dividends) would not incur significant federal and state taxes. However, these dividends would be subject to foreign withholding taxes that are estimated to result in the Company incurring tax costs in excess of the cost to obtain cash through other means. Cash equivalents are comprised of funds held in money market instruments and are reported at their current carrying value, which approximates fair value due to the short-term nature of these instruments. We strive to minimize our credit risk by investing primarily in investment grade, liquid instruments and limit exposure to any one issuer depending upon credit quality. See â€œCash Flowâ€ discussion below.48Cash FlowThe Company currently funds its operations, including working capital and capital expenditures, and acquisitions through cash on hand, cash equivalents, and financing activities as necessary. We expect that cash, cash equivalents, and other sources of liquidity, such as issuing equity or debt securities, subject to market conditions, will be available and sufficient to meet our anticipated cash requirements. The following is a summary of the changes in the Companyâ€™s cash flows followed by a brief discussion of these changes:Six Months Ended(in thousands)June 30, 2024June 30, 2023Dollar ChangeCash flow used in operating activities$(36,308)$(46,269)$9,961Â Cash flow (used in) provided by investing activities(9,505)150,587Â (160,092)Cash flow used in financing activities(90,380)(4,926)(85,454)Cash flow from operationsFor the six months ended June 30, 2024, cash used in operating activities was $36.3 million, and cash used in operating activities for the six months ended June 30, 2023 was $46.3 million. The $10.0 million reduction in cash used in operating activities is reflective of a $20.7 million favorable impact of changes in working capital accounts, partially offset by a $10.7 million increase in our net loss for the six months ended June 30, 2024, as compared to June 30, 2023, when adjusted for the $21.5 million gain on the extinguishment of debt recognized during the six months ended June 30, 2024 and the following additional non-cash items recognized in each reporting period: depreciation, amortization, and accretion expense; stock-based compensation expense; non-cash operating lease expense; inventory obsolescence, and other non-cash losses and provisions. The $20.7 million favorable working capital impact was primarily the result of increased inventory buildup during the six months ended June 30, 2023 in anticipation of forecasted sales.Cash flow from investing activitiesFor the six months ended June 30, 2024, cash used in investing activities was $9.5 million, which was primarily due to capital expenditures of $7.2 million and an incremental investment in NAMI of $2.5 million.For the six months ended June 30, 2023, cash provided by investing activities was $150.6 million, which included $179.8 million of proceeds from the sales and maturities of short-term investments, partially offset by capital expenditures of $13.5 million and cash used for investments in strategically-aligned businesses totaling $15.7 million. Cash flow from financing activitiesFor the six months ended June 30, 2024, the cash flow used in financing activities was $90.4 million primarily due to repayment of borrowings of $87.2 million and taxes paid related to the net-share settlement of equity awards of $2.5 million. For the six months ended June 30, 2023, the cash flow used in financing activities was $4.9Â million primarily due to taxes paid related to the net-share settlement of equity awards of $4.6Â million.Material Cash RequirementsThe Company's material cash requirements consist of the following contractual and other obligations: Indebtedness At June 30, 2024, we had $214,378 of outstanding 0% convertible notes which mature in November of 2026 (the "Notes"). Management may consider pursuing additional long-term financing if it is appropriate in light of cash requirements for operations or strategic opportunities, which could result in higher financing costs.49Purchase CommitmentsWe have purchase commitments under legally enforceable agreements for goods and services with defined terms as to quantity, price and timing of delivery. The Company has certain purchase commitments under agreements with remaining terms in excess of a year, which primarily relate to printer assemblies, inventory, capital expenditures, and software licenses. As of June 30, 2024, such purchase commitments totaled $19.7Â million, with approximately $10.9Â million, expected to be due within the next twelve months. LeasesThe Company had operating and financing lease obligations (inclusive of interest) of $99.7 million at June 30, 2024, primarily related to real estate and equipment leases, of which approximately $8.1Â million in payments are expected over the remainder of 2024. National Additive Manufacturing Innovation ("NAMI") Joint VentureIn March 2022, Dussur and 3D Systems signed an agreement to form a joint venture intended to expand the use of additive manufacturing within the Kingdom of Saudi Arabia and surrounding geographies, including the Middle East and North Africa. The joint venture is to enable the development of Saudi Arabia's domestic additive manufacturing production capabilities, consistent with the Kingdomâ€™s â€˜Vision 2030,â€™ which is focused on diversification of the economy and long-term sustainability. In February 2023, the Company became a shareholder in the joint venture and now owns 49% of its common stock. 3D Systems was committed to an initial investment of approximately $6.5Â million of cash into the joint venture, all of which has been funded as of June 30, 2024. In May 2024, the Company made another investment in NAMI, as further discussed in Note 6 to the condensed consolidated financial statements included in Item 1 of this Form 10-Q. Additional future investments in the joint venture are contingent upon agreement by the parties to the joint venture to invest additional capital. The future impact that participation in the joint venture will have on the Companyâ€™s financial position and cash flows is not expected to be material other than any potential cash outflow(s) that may be required to fund contingent investments.Sources of Funding to Satisfy Material Cash RequirementsThe Company believes that it has the financial resources needed to meet its anticipated cash requirements during the next twelve months. Cash requirements for periods beyond the next twelve months will depend on, among other things, the Companyâ€™s profitability and its ability to manage working capital requirements. Other Contractual CommitmentsIndemnificationIn the normal course of business we periodically enter into agreements to indemnify customers or suppliers against claims of intellectual property infringement made by third parties arising from the use of our products. Historically, costs related to these indemnification provisions have not been significant. We are unable to estimate the maximum potential impact of these indemnification provisions on our future results of operations.To the extent permitted under Delaware law, we indemnify our directors and officers for certain events or occurrences, when the director or officer is, or was, serving at our request in such capacity, subject to limited exceptions. The maximum potential amount of future payments we could be required to make under these indemnification obligations is unlimited; however, we have directorsâ€™ and officersâ€™ insurance coverage that may enable us to recover future amounts paid, subject to a deductible and to the policy limits. There is no assurance that the policy limits will be sufficient to cover all damages, if any.50Critical Accounting EstimatesOur condensed consolidated financial statements are prepared in accordance with GAAP. The preparation of these condensed consolidated financial statements requires us to make certain estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, costs and expenses, and related disclosures. On an ongoing basis, we evaluate our estimates and assumptions. Our actual results may differ from these estimates under different assumptions or conditions.The following discussion summarizes changes in our critical accounting estimates that have occurred since December 31, 2023 and have had a material impact on our reported results.See Note 2 to the consolidated financial statements in our 2023 Form 10-K for a summary of our significant accounting policies.New Critical Accounting EstimateSystemic Bio Phantom PlanDuring the year ended December 31, 2023, we began granting phantom unit awards ("Phantom Units") under a new compensation plan designed for employees and non-employees performing services for Systemic Bio, a wholly-owned subsidiary of 3D Systems. All awards granted under the plan are subsidiary-level awards. The Phantom Units granted under the plan include both a time-based vesting condition (generally 4 years, subject to acceleration in connection with specified liquidity events) and a market condition that is met if (1) the value of Systemic Bio exceeds a specified multiple of the capital invested in this subsidiary (the "hurdle") and (2) the business achieves a specified minimum internal rate of return. The market condition will be assessed upon (A) a trigger event (e.g., change-in-control, IPO, or plan expiration of December 31, 2030) and/or (B) an interim liquidity event (defined as January 1, 2028) that occurs prior to a trigger event. All awards granted under the plan are liability-classified due to our intention to settle these awards with cash; although, we have discretion to partially or fully settle these awards in equity upon vesting. Liability classification of the awards requires them to be remeasured at their estimated fair value at the end of each reporting period. Due to the presence of the market-condition and the fact that Systemic Bio does not have a readily available share price, the awards are valued using a Monte Carlo simulation with the assistance of a third-party valuation firm. This valuation requires significant judgment regarding the input of various assumptions and estimates, which include the projected cash flows of (including projected capital invested in) Systemic Bio, the probability and/or timing of a trigger event or a liquidity event, the expected stock price volatility for selected public companies with comparable characteristics to Systemic Bio, the discount for the lack of marketability of Systemic Bio as a privately-held company, and the risk-free interest rate. A change in managementâ€™s judgment regarding these assumptions or estimates can materially impact the periodic measurement of the liability and the related amount of compensation expense recognized in the Companyâ€™s consolidated financial statements.The third-party valuation as of June 30, 2024 resulted in an increase in the estimated fair value of the Phantom Units and a corresponding $1.9 million increase in the expense recognized during the three and six months ended June 30, 2024, primarily as a result of a change in management's judgment regarding the estimated probability and timing for the occurrence of a trigger event. This change in estimate reduced basic and diluted earnings per share by $0.01 for the three and six months ended June 30, 2024. As of June 30, 2024, the Company has recognized a total of $2.6 million of expense for the Phantom Units granted since the inception of the underlying plan.Forward-Looking StatementsCertain statements made in this Form 10-Q that are not statements of historical or current facts are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from historical results or from any future results expressed, or implied by, such forward-looking statements. In many cases, you can identify forward-looking statements by terms such as â€œbelieves,â€ â€œbelief,â€ â€œexpects,â€ â€œmay,â€ â€œwill,â€ â€œestimates,â€ â€œintends,â€ â€œanticipates,â€ or â€œplansâ€ or the negative of these terms or other comparable terminology.51Forward-looking statements are based upon managementâ€™s beliefs, assumptions and current expectations concerning future events and trends, using information currently available, and are necessarily subject to uncertainties, many of which are outside our control. Although we believe that the expectations reflected in the forward-looking statements are reasonable, forward-looking statements are not, and should not be relied upon as a guarantee of future performance or results, nor will they necessarily prove to be accurate indications of the times at or by which any such performance or results will be achieved. A number of important factors could cause actual results to differ materially from those expressed in, or implied by, the forward-looking statements. These factors include without limitation:â€¢impact on our business as a result of macroeconomic events, including the Russia-Ukraine war and other geopolitical risks, recession, supply chain disruptions, inflation, interest rates and foreign exchange volatility;â€¢our ability to deliver products that meet changing technology and customer needs;â€¢our ability to identify strategic acquisitions, to integrate such acquisitions into our business without disruption and to realize the anticipated benefits of such acquisitions;â€¢our ability to realize anticipated benefits for future dispositions;â€¢impact of future write-off or write-downs of goodwill and intangible assets;â€¢the concentration of revenue and credit risk exposure from our largest customer;â€¢our ability to acquire and enforce intellectual property rights and defend such rights against third-party claims;â€¢our ability to protect our intellectual property rights and confidential information, including our digital content, from third-party infringers or unauthorized copying, use or disclosure;â€¢failure of our information technology infrastructure or inability to protect against cyber-attack;â€¢our ability to predict quarterly sales and manage product inventory due to uneven sales cycle;â€¢our ability to generate net cash flow from operations;â€¢our ability to service our debt and ability to raise funds necessary to settle conversions of the Notes in cash, repay the Notes at maturity, or repurchase the Notes in the case of a fundamental change;â€¢our ability to remediate material weaknesses in our internal controls over financial reporting and maintain effective internal controls;â€¢fluctuations in our gross profit margins, operating income or loss and/or net income or loss;â€¢our ability to efficiently conduct business outside the U.S.;â€¢our dependence on our supply chain for components and sub-assemblies used in our 3D printers and other products and for raw materials used in our print materials;â€¢our ability to manage the costs and effects of litigation, investigations or similar matters involving us or our subsidiaries;â€¢product quality problems that result in decreased sales and operating margin, product returns, product liability, warranty or other claims;â€¢our ability to retain our key employees and to attract and retain new qualified employees, while controlling our labor costs;â€¢our ability to successfully develop and commercialize regenerative medicine products ourselves, or in conjunction with development partners;â€¢disruption in our management information systems for inventory management, distribution, and other key functions;â€¢compliance with U.S. and other anti-corruption laws, data privacy laws, trade controls, economic sanctions, and similar laws and regulations;â€¢our ability to maintain our status as a responsible contractor under federal rules and regulations;â€¢changes in, or interpretation of, tax rules and regulations; andâ€¢the other factors discussed in the reports we file with or furnish to the SEC from time to time, including the risks and important factors set forth in additional detail in Item 1A. â€œRisk Factorsâ€ in the 2023 Form 10-K.Readers are cautioned not to place undue reliance on these forward-looking statements. The forward-looking statements included herein are made only as of the date of this Form 10-Q and we undertake no obligation to publicly update or revise any forward-looking statement made by us or on our behalf, whether as a result of new information, future developments, subsequent events or circumstances or otherwise, except as required by law. All subsequent written or oral forward-looking statements attributable to us or individuals acting on our behalf are expressly qualified in their entirety by the cautionary statements referenced above.Item 3.Â Quantitative and Qualitative Disclosures about Market RiskFor a discussion of market risks at December 31, 2023, refer to Item 7A. â€œQuantitative and Qualitative Disclosures about Market Riskâ€ in our 2023 Form 10-K. During the three months ended June 30, 2024, there were no material changes or developments that would materially alter the market risk assessment performed as of December 31, 2023.52Item 4. Controls and ProceduresEvaluation of Disclosure Controls and ProceduresAs of June 30, 2024, we carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as

amended (the â€œExchange Actâ€)) pursuant to Rules 13a-15 and 15d-15 under the Exchange Act. Based on this evaluation, management has concluded that our disclosure controls and procedures were not effective as of June 30, 2024 due to the material weaknesses discussed in our 2023 Form 10-K.Changes in Internal Control Over Financial ReportingWe are in the process of implementing certain changes to our internal controls to remediate the material weaknesses described in our 2023 Form 10-K. Except as noted above, there were no changes in the Companyâ€™s internal control over financial reporting during the three months ended June 30, 2024 that have materially affected, or are reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting.PART II â€” OTHER INFORMATIONItem 1. Legal ProceedingsThe information relating to legal proceedings set forth under the header â€œLitigationâ€ in Note 16 to the Financial Statements is incorporated herein by reference.Item 1A. Risk FactorsÂ In addition to the risk factors set forth below and the other information set forth in this Form 10-Q, you should carefully consider the factors discussed under Part I, Item 1A, â€œRisk Factorsâ€ in our 2023 Form 10-K. These factors could materially adversely affect our business, financial condition, liquidity, results of operations and capital position, and could cause our actual results to differ materially from our historical results or the results contemplated by the forward-looking statements contained in this Form 10-Q. Except as disclosed below, there have been no material changes to the risk factors described in Part I, Item 1A, â€œRisk Factors,â€ included in our 2023 Form 10-K.We may not have sufficient cash or the ability to raise the funds necessary to settle conversions of the 0% Convertible Senior Notes due 2026 (the "Notes") in cash, repay the Notes at maturity, or repurchase the Notes as required following a fundamental change.As of June 30, 2024, we had approximately $214.4 million of outstanding Notes. Our ability to service and/or refinance the Notes, or make cash payments in connection with any conversions of the Notes, depends on our future performance, which is subject to economic, financial, competitive, and other factors beyond our control. Our business may not generate cash flow from operations in the future sufficient to service the Notes. If we are unable to generate such cash flow, we may be required to adopt one or more alternatives, including selling assets, refinancing the Notes, or obtaining additional debt financing or equity capital on terms that may be onerous or highly dilutive. Our ability to refinance the Notes will depend on the capital markets and our financial condition at such time. We may not be able to engage in any of these activities or engage in these activities on desirable terms, which could result in a default on our debt obligations. In addition, any of our future debt agreements may contain restrictive covenants that may prohibit us from adopting any of these alternatives. The Companyâ€™s failure to file the 2023 Form 10-K and provide it to the Trustee by April 1, 2024 represented a default under the terms of the indenture governing the Notes (the "Indenture"). In addition, the Companyâ€™s failure to file our Form 10-Q for the three months ended March 31, 2024 and provide it to the Trustee within 15 days of the filing deadline (after giving effect to any grace period provided by Rule 12b-25 under the Exchange Act) represented an incremental default under the terms of the Indenture. The Company filed its 2023 Form 10-K and provided a copy of this filing to the Trustee on August 13, 2024, curing the first default referenced above. The Company filed its Form 10-Q for the three months ended March 31, 2024 and provided a copy of this filing to the Trustee on August 20, 2024, curing the incremental default referenced above. Although the Company cured these defaults and did not incur any special interest as a result of these defaults, our failure to comply with these or other covenants of the Indenture in the future could result in an event of default which, if not cured or waived, could result in the acceleration of our debt or cause us to incur special interest payments. For further information regarding the non-compliance with the terms of the Indenture, refer to Note 9 to the Financial Statements.53In the event the conditional conversion feature of the Notes is triggered, holders of Notes will be entitled to convert the Notes at any time during specified periods at their option. If one or more holders elect to convert their Notes, we would be required to settle any converted principal through the payment of cash, which could adversely affect our liquidity. In addition, even if holders do not elect to convert their Notes, we could be required under applicable accounting rules to reclassify all or a portion of the outstanding principal of the Notes as a current rather than long-term liability, which would result in a material reduction of our net working capital.In addition, holders of the Notes have the right to require us to repurchase all or a portion of their Notes upon the occurrence of a Fundamental Change (as defined in the Indenture) at a repurchase price equal to 100% of the principal amount of the Notes to be repurchased. If the Notes have not previously been converted or repurchased, we will be required to repay such Notes in cash at maturity.Our ability to make required cash payments in connection with conversions of the Notes, repurchase the Notes in the event of a Fundamental Change, or to repay or refinance the Notes at maturity will depend on market conditions and our future performance, which is subject to economic, financial, competitive, and other factors beyond our control. As a result, we may not have enough available cash or be able to obtain financing at the time we are required to repurchase or repay the Notes or pay cash with respect to Notes being converted.As a result of the delayed filing of our 2023 Form 10-K, our Form 10-Q for the quarter ended March 31, 2024, and this Form 10-Q, the Company has experienced risks and costs and expects to experience additional risks and costs in the future, including with respect to the SEC's ongoing investigation.As a result of the circumstances giving rise to the delayed filing of our 2023 Form 10-K, our Form 10-Q for the quarter ended March 31, 2024, and this Form 10-Q, the Company experienced risks and costs and expects to experience additional risks and costs in the future. The audit of the financial statements included in our 2023 Form 10-K was time-consuming, required the Company to incur additional incremental expenses and affected managementâ€™s attention and resources. Further, the measures to strengthen internal controls being implemented continued to require and will likely require in the future greater management time and Company resources to implement and monitor. Although we have now filed our 2023 Form 10-K, our Form 10-Q for the quarter ended March 31, 2024, and this Form 10-Q, our failure to make these filings in a timely manner has led to further investigation and scrutiny by the SEC, which has been conducting a formal investigation of the Company since April 2022 as a follow on to the previously disclosed SEC voluntary request for documents. Although the Company is currently cooperating with the SEC, the Company cannot predict the ultimate outcome of the SECâ€™s investigation. Any allegations or adverse findings by the SEC could harm our reputation, negatively impact our stock price and have a material adverse effect on our business, financial condition and results of operations. Moreover, the expense and distraction to management of cooperating with and responding to the SEC could have a material adverse effect on the Company even if the investigation is ultimately closed or resolved in a manner favorable to the Company. See also the risk factor below entitled â€œWe are no longer eligible to use a Form S-3 registration statement, which could impair our capital-raising activities.â€We are no longer eligible to use a Form S-3 registration statement, which could impair our capital-raising activities.As a result of our failure to timely file our 2023 Form 10-K, our Form 10-Q for the quarter ended March 31, 2024, and this Form 10-Q with the SEC, we are no longer eligible to use a Form S-3 registration statement. Further, as a result of the late 2023 Form 10-K filing, the late Form 10-Q filing for the quarter ended March 31, 2024 and this late Form 10-Q filing, we are also no longer a â€œwell-known seasoned issuer,â€ as such term is used in the SECâ€™s regulations, which otherwise would allow us to, among other things, file automatically effective Form S-3 registration statements. Our eligibility to use a Form S-3 registration statement may not be restored until September 1, 2025, and then only if we have not had any other filing delinquency that would preclude Form S-3 eligibility and satisfy all other requirements for Form S-3 eligibility. During any period when we are not eligible to use Form S-3 or qualify as a â€œwell known seasoned issuer,â€ our capital-raising ability may be impaired. Under these circumstances, we would be required to conduct the offering on an exempt basis, such as in accordance with Rule 144A, or file a registration statement on Form S-1. Using a Form S-1 registration statement for a public offering would likely take significantly longer than using a registration statement on Form S-3 and increase our transaction costs, and could, to the extent we are not able to conduct offerings using alternative methods, adversely impact our ability to raise capital or complete acquisitions of other companies in a timely manner.54Item 2.Â Unregistered Sales of Equity Securities and Use of ProceedsIssuance of Unregistered Securities and Issuer Purchases of Equity SecuritiesIssuances of Unregistered SecuritiesNone.Issuer purchases of equity securitiesWe did not repurchase any of our equity securities in the open market during the three months ended June 30, 2024; however, shares of common stock were surrendered to us for payment of tax withholding obligations in connection with the vesting of restricted stock awards and units pursuant to our Amended and Restated 2015 Incentive Stock Plan. Total number of shares (or units) purchasedÂ Average price paid per share (or unit)April 1, 2024 - April 30, 2024216,539Â Â $3.53Â May 1, 2024 - May 31, 20246,112Â Â 3.79Â June 1, 2024 - June 30, 20241,631Â Â 3.55Â Total224,282Â a$3.54Â ba.Represents shares of common stock surrendered to us for payment of tax withholding obligations in connection with the vesting of restricted stock awards and units.b.The average price paid reflects the average market value of shares withheld for tax purposes.Item 3. Defaults Upon Senior SecuritiesNot applicable.Item 4. Mine Safety DisclosuresNot applicable.Item 5. Other InformationDirector and Officer Trading ArrangementsDuring the fiscal quarter ended June 30, 2024, none of our directors or officers (as defined in Rule 16a-1(f) of the Exchange Act) adopted or terminated a Rule 10b5-1 trading arrangement or a non-Rule 10b5-1 trading arrangement (in each case, as defined in Item 408(a) of Regulation S-K) for the purchase or sale of the Companyâ€™s securities.Item 6.Â Exhibits(a)(3)ExhibitsThe following exhibits are included as part of this filing and incorporated herein by this reference:Â 3.1Certificate of Incorporation of Registrant. (Incorporated by reference to ExhibitÂ 3.1 of the Registrantâ€™s FormÂ 8-B filed on AugustÂ 16, 1993, and the amendment thereto, filed on FormÂ 8-B/A on FebruaryÂ 4, 1994.)Â 3.2Amendment to Certificate of Incorporation filed on MayÂ 23, 1995. (Incorporated by reference to ExhibitÂ 3.2 of the Registrantâ€™s Registration Statement on FormÂ S-2/A, filed on MayÂ 25, 1995.)Â 3.3Certificate of Amendment of Certificate of Incorporation filed with Secretary of State of Delaware on MayÂ 19, 2004. (Incorporated by reference to ExhibitÂ 3.1 of the Registrantâ€™s Quarterly Report on FormÂ 10-Q for the quarterly period ended JuneÂ 30, 2004, filed on AugustÂ 5, 2004.)Â 3.4Certificate of Amendment of Certificate of Incorporation filed with Secretary of State of Delaware on MayÂ 17, 2005. (Incorporated by reference to ExhibitÂ 3.1 of the Registrantâ€™s Quarterly Report on FormÂ 10-Q for the quarterly period ended JuneÂ 30, 2005, filed on AugustÂ 1, 2005.)Â 553.5Certificate of Amendment of Certificate of Incorporation filed with the Secretary of State of Delaware on October 7, 2011. (Incorporated by reference to Exhibit 3.1 of the Registrantâ€™s Current Report on Form 8-K, filed on October 7, 2011.)Â 3.6Certificate of Amendment of Certificate of Incorporation filed with the Secretary of State of Delaware on May 21, 2013. (Incorporated by reference to Exhibit 3.1 of the Registrantâ€™s Current Report on Form 8-K, filed on May 22, 2013.)Â 3.7Amended and Restated By-Laws. (Incorporated by reference to ExhibitÂ 3.1 of the Registrantâ€™s Current Report on FormÂ 8-K, filed on March 15, 2018.)Â 4.1Specimen Common Stock Certificate. (Incorporated by reference to Exhibit 4.1 of the Registrantâ€™s Registration Statement on Form S-3 (Registration No. 333-182065), filed on June 12, 2012.)4.2Indenture, dated as of November 16, 2021, between 3D Systems Corporation and The Bank of New York Mellon Trust Company, N.A., as trustee. (Incorporated by reference to Exhibit 4.1 of the Registrantâ€™s Current Report on Form 8-K filed on November 17, 2021.)4.3Form of 0% Convertible Notes due 2026 (included in Exhibit 4.3). (Incorporated by reference to Exhibit 4.2 of the Registrantâ€™s Current Report on Form 8-K filed on November 17, 2021.)10.1*Consulting Agreement, dated May 1, 2024, by and between 3D Systems Corporation and Andrew M. Johnson. (Incorporated by reference to Exhibit 10.1 of the Registrant's Current Report on Form 8-K, filed on May 1, 2024.)10.2*Consulting Agreement, dated May 1, 2024, by and between 3D Systems Corporation and The Kaminda Group. (Incorporated by reference to Exhibit 10.2 of the Registrant's Current Report on Form 8-K, filed on May 1, 2024.)31.1â€ Certification of Principal Executive Officer filed pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated August 29, 2024.Â 31.2â€ Certification of Principal Financial Officer filed pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated August 29, 2024.Â 32.1â€ Certification of Principal Executive Officer filed pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated August 29, 2024.Â 32.2â€ Certification of Principal Financial Officer filed pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated August 29, 2024.101.INSâ€ Inline XBRL Instance Document - the instance document does not appear in the Interactive Data file because the its XBRL tags are embedded within the Inline XBRL document.InÂ 101.SCHâ€ Inline XBRL Taxonomy Extension Scheme Document101.CALâ€ Inline XBRL Taxonomy Extension Calculation Linkbase Document101.DEFâ€ Inline XBRL Taxonomy Extension Definition Linkbase Document101.LABâ€ Inline XBRL Taxonomy Extension Label Linkbase Document101.PREâ€ XBRL Taxonomy Extension Presentation Linkbase Document104 Cover Page Interactive Data File - this data file does not appear in the Interactive Data file because its XBRL tags are embedded within the Inline XBRL document.* Management contract or compensatory plan or arrangement.â€ Exhibits filed herein. All exhibits not so designated are incorporated by reference to a prior filing, as indicated.56SIGNATURESPursuant 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.3D Systems CorporationBy/s/ Jeffrey D. CreechJeffrey D. CreechExecutive Vice President, Chief Financial Officer(principal financial officer)Date: AugustÂ 29, 2024 57 EX-31.1 2 ddd-2024_06x30exx311.htm EX-31.1 DocumentExhibitÂ 31.1Certification ofPrincipal Executive Officer of3D Systems CorporationI, Dr. Jeffrey A. Graves, certify that: Â 1.I have reviewed this report on Form 10-QÂ of 3D Systems Corporation;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the 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;Â 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;Â and5.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):(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;Â 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: AugustÂ 29, 2024 Â By:/s/Â Dr. Jeffrey A. GravesÂ Dr. Jeffrey A. GravesTitle:President, Chief Executive Officer and Director(principal executive officer) EX-31.2 3 ddd-2024_06x30exx312.htm EX-31.2 DocumentExhibitÂ 31.2Certification ofPrincipal Financial Officer of3D Systems CorporationI, Jeffrey D. Creech, certify that:1.I have reviewed this report on Form 10-QÂ of 3D Systems Corporation;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the 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;Â 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;Â and5.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):(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;Â 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: AugustÂ 29, 2024 Â By:/s/ Jeffrey D. CreechÂ Jeffrey D. CreechTitle:Executive Vice President and Chief Financial Officer(principal financial officer) EX-32.1 4 ddd-2024_06x30exx321.htm EX-32.1 DocumentExhibitÂ 32.1CERTIFICATION PURSUANT TO18Â U.S.C. SECTIONÂ 1350,AS ADOPTED PURSUANT TOSECTIONÂ 906 OF THE SARBANES-OXLEY ACT OF 2002This certification is provided pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002 and accompanies theÂ QuarterlyÂ Report on Form 10-QÂ (the â€œForm 10-Qâ€) forÂ theÂ quarter ended June 30, 2024Â of 3D Systems Corporation (the â€œIssuerâ€).I,Â Dr. Jeffrey A. Graves, President, ChiefÂ Executive Officer and DirectorÂ of the Issuer, certify that, pursuant to 18Â U.S.C. Â§Â 1350, as adopted pursuant to Â§Â 906 of the Sarbanes-Oxley Act of 2002, to the best of my knowledge:(i)the Form 10-QÂ fully complies with the requirements of Section 13(a) or SectionÂ 15(d) of the Securities Exchange Act of 1934;Â and(ii)The information contained in the Form 10-QÂ fairly presents, in all material respects, the financial condition and results of operations of the Issuer.Date: August 29, 2024/s/ Dr. Jeffrey A. GravesName: Dr. Jeffrey A. Graves(principal executive officer)The foregoing certification is being furnished solely pursuant to 18 U.S.C. Â§ 1350 and is not being filed as part of the Report or as a separate disclosure document. EX-32.2 5 ddd-2024_06x30exx322.htm EX-32.2 DocumentExhibitÂ 32.2CERTIFICATION PURSUANT TO18Â U.S.C. SECTIONÂ 1350,AS ADOPTED PURSUANT TOSECTIONÂ 906 OF THE SARBANES-OXLEY ACT OF 2002This certification is provided pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002 and accompanies theÂ QuarterlyÂ Report on Form 10-QÂ (the â€œForm 10-Qâ€) forÂ theÂ quarter ended June 30, 2024Â of 3D Systems Corporation (the â€œIssuerâ€).I,Â Jeffrey D. Creech, Executive Vice President and Chief Financial Officer (principal financial officer) of the Issuer, certify that, pursuant to 18Â U.S.C. Â§Â 1350, as adopted pursuant to Â§Â 906 of the Sarbanes-Oxley Act of 2002, to the best of my knowledge: (i)the Form 10-QÂ fully complies with the requirements of Section 13(a) or SectionÂ 15(d) of the Securities Exchange Act of 1934;Â and(ii)The information contained in the Form 10-QÂ fairly presents, in all material respects, the financial condition and results of operations of the Issuer.Date: August 29, 2024/s/ Jeffrey D. CreechName: Jeffrey D. Creech(principal financial officer) The foregoing certification is being furnished solely pursuant to 18 U.S.C. Â§ 1350 and is not being filed as part of the Report or as a separate disclosure document. EX-101.SCH 6 ddd-20240630.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952157 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY link:presentationLink link:calculationLink link:definitionLink 9952158 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Acquisitions link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Revenue link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Goodwill and Intangible Assets link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Investments and Note Receivable link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Accrued and Other Liabilities link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Borrowings link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Redeemable Non-Controlling Interest link:presentationLink link:calculationLink link:definitionLink 9952169 - Disclosure - Stock-Based Compensation link:presentationLink link:calculationLink link:definitionLink 9952170 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 9952171 - Disclosure - Net Loss Per Share link:presentationLink link:calculationLink link:definitionLink 9952172 - Disclosure - Accumulated Other Comprehensive Loss link:presentationLink link:calculationLink link:definitionLink 9952173 - Disclosure - Segment Information link:presentationLink link:calculationLink link:definitionLink 9952174 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 9952175 - Disclosure - Fair Value Measurements link:presentationLink link:calculationLink link:definitionLink 9952176 - Disclosure - Restructuring and Exit Activity Costs link:presentationLink link:calculationLink link:definitionLink 9952177 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 9954471 - Disclosure - Basis of Presentation (Policies) link:presentationLink link:calculationLink link:definitionLink 9954472 - Disclosure - Acquisitions (Tables) link:presentationLink link:calculationLink link:definitionLink 9954473 - Disclosure - Revenue (Tables) link:presentationLink link:calculationLink link:definitionLink 9954474 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 9954475 - Disclosure - Goodwill and Intangible Assets (Tables) link:presentationLink link:calculationLink link:definitionLink 9954476 - Disclosure - Investments and Note Receivable (Tables) link:presentationLink link:calculationLink link:definitionLink 9954477 - Disclosure - Accrued and Other Liabilities (Tables) link:presentationLink link:calculationLink link:definitionLink 9954478 - Disclosure - Borrowings (Tables) link:presentationLink link:calculationLink link:definitionLink 9954479 - Disclosure - Redeemable Non-Controlling Interest (Tables) link:presentationLink link:calculationLink link:definitionLink 9954480 - Disclosure - Stock-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 9954481 - Disclosure - Net Loss Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 9954482 - Disclosure - Accumulated Other Comprehensive Loss (Tables) link:presentationLink link:calculationLink link:definitionLink 9954483 - Disclosure - Segment Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9954484 - Disclosure - Restructuring and Exit Activity Costs (Tables) link:presentationLink link:calculationLink link:definitionLink 9954485 - Disclosure - Acquisitions (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954486 - Disclosure - Acquisitions (Assets and Liabilities Assumed) (Details) link:presentationLink link:calculationLink link:definitionLink 9954487 - Disclosure - Acquisitions (Definite-Lived Intangible Assets) (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Revenue (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Revenue (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Revenue (Contract with Customer, Contract Asset, Contract Liability, and Receivable) (Details) link:presentationLink link:calculationLink link:definitionLink 9954490 - Disclosure - Revenue (Revenue by Geographic Region) (Details) link:presentationLink link:calculationLink link:definitionLink 9954491 - Disclosure - Inventories (Components Of Inventories) (Details) link:presentationLink link:calculationLink link:definitionLink 9954492 - Disclosure - Inventories (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954493 - Disclosure - Goodwill and Intangible Assets (Intangible Assets Other Than Goodwill) (Details) link:presentationLink link:calculationLink link:definitionLink 9954494 - Disclosure - Goodwill and Intangible Assets (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Investments and Note Receivable (Equity Investments) (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Investments and Note Receivable (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Leases (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Accrued and Other Liabilities (Accrued Liabilities) (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Accrued and Other Liabilities (Recognized Warranty Revenue and Incurred Warranty Costs) (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Borrowings (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Borrowings (Convertible Notes Payable) (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Redeemable Non-Controlling Interest (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Redeemable Non-Controlling Interest (Schedule of Redeemable Noncontrolling Interest) (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Stock-Based Compensation (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Stock-Based Compensation (Stock-based Compensation Expense) (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Net Loss Per Share (Net Income (Loss) Per Share Reconciliation) (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Net Loss Per Share (Equity Awards) (Details) link:presentationLink link:calculationLink link:definitionLink 9954509 - Disclosure - Net Loss Per Share (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Accumulated Other Comprehensive Loss (Accumulated Other Comprehensive Loss By Component) (Details) link:presentationLink link:calculationLink link:definitionLink 9954511 - Disclosure - Segment Information (Operating Results by Segment) (Details) link:presentationLink link:calculationLink link:definitionLink 9954512 - Disclosure - Segment Information (Long-Lived Assets by Geographic Region) (Details) link:presentationLink link:calculationLink link:definitionLink 9954513 - Disclosure - Commitments and Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9954514 - Disclosure - Fair Value Measurements (Details) link:presentationLink link:calculationLink link:definitionLink 9954515 - Disclosure - Restructuring and Exit Activity Costs (Narrative) (Details) link:presentationLink link:calculationLink link:definitionLink 9954516 - Disclosure - Restructuring and Exit Activity Costs (Restructuring Charges) (Details) link:presentationLink link:calculationLink link:definitionLink 9954517 - Disclosure - Restructuring and Exit Activity Costs (Costs Incurred) (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 7 ddd-20240630_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 8 ddd-20240630_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 9 ddd-20240630_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Payment period Litigation Settlement, Amount Awarded To Other Party, Payment Period Litigation Settlement, Amount Awarded To Other Party, Payment Period Adjustments to reconcile net loss to net cash 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] Repayment of borrowings/long-term debt Repayments of Long-Term Debt Cover page. Cover [Abstract] Net (decrease) increase in cash, cash equivalents and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Acquired ownership percentage Business Acquisition, Percentage of Voting Interests Acquired Trading Symbol Trading Symbol Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Ownership percentage Equity Method Investment, Ownership Percentage Suspended penalty amount Litigation Settlement, Suspended Penalty Litigation Settlement, Suspended Penalty Total comprehensive loss, net of taxes Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest All Trading Arrangements All Trading Arrangements [Member] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Defined benefit pension plan Accumulated Defined Benefit Plans Adjustment Including Portion Attributable to Noncontrolling Interest [Member] Non-NEOs Non-NEOs [Member] Schedule of Net Loss Per Share Reconciliation Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Systemic Bio Phantom Unit Plan Systemic Bio Phantom Unit Plan [Member] Systemic Bio Phantom Unit Plan Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Cash income tax payments, net Income Taxes Paid, Net Accounts receivable, reserves Accounts Receivable, Allowance for Credit Loss, Current Conversion ratio Debt Instrument, Convertible, Conversion Ratio Schedule of Stock-based Compensation Expense Share-Based Payment Arrangement, Cost by Plan [Table Text Block] Equity investments under the equity method of accounting Initial investment Equity Method Investments Pay vs Performance Disclosure [Line Items] Severance, Termination Benefits and Other Employee Costs Employee Severance, Termination Benefits, and Other Restructuring Employee Severance, Termination Benefits, And Other Restructuring [Member] Employee Severance, Termination Benefits, And Other Restructuring Redeemable non-controlling interest Balance at beginning of period Balance at end of period Redeemable Noncontrolling Interest, Equity, Carrying Amount Line of Credit Facility [Table] Line of Credit Facility [Table] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Revenue Remaining Performance Obligation Expected Timing Of Satisfaction [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Restricted stock and restricted stock units Restricted Stock And Restricted Stock Unit [Member] Restricted Stock And Restricted Stock Unit Basis of Presentation Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Total equity investments Equity Investments And Securities Equity Investments And Securities Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Fair Value Measurements Fair Value Disclosures [Text Block] Restructuring and Related Activities [Abstract] Unrealized gain on short-term investments OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, after Tax Award Timing Disclosures [Line Items] All other operating activities Increase (Decrease) in Other Operating Assets and Liabilities, Net Investment, Name [Domain] Investment, Name [Domain] Other Performance Measure, Amount Other Performance Measure, Amount Amortization expense for intangible assets, 2027 Finite-Lived Intangible Asset, Expected Amortization, Year Three Leases Lessee, Operating Leases [Text Block] Beginning balance (in shares) Ending balance (in shares) Common Stock, Shares, Outstanding Long-term operating lease liabilities Operating Lease, Liability, Noncurrent Revenue from Contract with Customer [Abstract] Accruals for warranties issued Accruals For Warranties Issued Warranty revenue deferred. Deferred revenue Contract with Customer, Liability, Current Plan Name [Domain] Plan Name [Domain] United States United States UNITED STATES Number of milestones Business Combination, Number Of Milestones Business Combination, Number Of Milestones Other assets Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Leases [Abstract] Gross Finite-Lived Intangible Assets, Gross Schedule of Finite-Lived Intangible Assets [Table] Intangible Asset, Finite-Lived [Table] Payments for legal settlements Payments for Legal Settlements Accumulated Other Comprehensive (Loss) Income AOCI Including Portion Attributable to Noncontrolling Interest [Member] Money Market Funds Money Market Funds [Member] Selling, general and administrative Selling, General and Administrative Expenses [Member] Net cash used in operating activities Net Cash Provided by (Used in) Operating Activities Patent costs Patents [Member] Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities [Abstract] Schedule of Accumulated Other Comprehensive Loss Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] U.S. Department of Justice U.S. Department Of Justice [Member] U.S. Department Of Justice Plan Name [Axis] Plan Name [Axis] Equity Components [Axis] Equity Components [Axis] Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Restructuring Type [Axis] Restructuring Type [Axis] Trade names Trade Names [Member] Kumovis GmbH Kumovis GmbH [Member] Kumovis GmbH Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Insider Trading Policies and Procedures [Line Items] Proceeds from sale of assets and businesses, net of cash sold Proceeds from Divestiture of Businesses Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Adjustment to Compensation, Amount Adjustment to Compensation Amount Additional paid-in capital Additional Paid in Capital, Common Stock Payables and Accruals [Abstract] Payables and Accruals [Abstract] Compensation Amount Outstanding Recovery Compensation Amount 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] Entity Small Business Entity Small Business Product technology Developed Technology Rights [Member] Accrued and Other Liabilities Accounts Payable and Accrued Liabilities Disclosure [Text Block] Company Selected Measure Amount Company Selected Measure Amount Geographical [Axis] Geographical [Axis] Schedule of Restructuring and Related Costs Restructuring and Related Costs [Table Text Block] Tabular List, Table Tabular List [Table Text Block] Legal contingencies Loss Contingency, Accrual, Current Volumetric Biotechnologies, Inc. Volumetric Biotechnologies, Inc. [Member] Volumetric Biotechnologies, Inc. Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Schedule of Intangible Assets Other Than Goodwill Schedule of Finite And Indefinite-Lived Intangible Assets [Table Text Block] Schedule of Finite And Indefinite-Lived Intangible Assets [Table Text Block] EMEA EMEA [Member] 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] Lessee, Lease, Description [Line Items] Lessee, Lease, Description [Line Items] Other assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Accrued and other liabilities Total Accrued Liabilities, Current Shares excluded from diluted loss per share calculation (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Gain on repurchase of debt Gain (Loss) on Repurchase of Debt Instrument Long term contracts Receivables, Long-Term Contracts or Programs Share-Based Payment Arrangement, Tranche One Share-Based Payment Arrangement, Tranche One [Member] Amounts settled with cash Payments for

Restructuring Volumetric Milestones Volumetric Milestones [Member] Volumetric Milestones Redemption value in excess of carrying value Redeemable Noncontrolling Interest, Equity, Redemption Value In Excess Of Carrying Value Redeemable Noncontrolling Interest, Equity, Redemption Value In Excess Of Carrying Value Cash, cash equivalents and restricted cash at the beginning of the year Cash, cash equivalents and restricted cash at the end of the year Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Unrecognized stock-based compensation expense Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Current assets: Assets, Current [Abstract] Goodwill Goodwill Goodwill Taxes paid related to net-share settlement of equity awards Payment, Tax Withholding, Share-Based Payment Arrangement Other comprehensive (loss) income, net of taxes: Other Comprehensive Income (Loss), Net of Tax [Abstract] Inventories Inventory Disclosure [Text Block] Earnout payment milestone Share-Based Payment Arrangement, Expense, Earnout Payment Milestone Share-Based Payment Arrangement, Expense, Earnout Payment Milestone 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] Depreciation expense Depreciation Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Other financing activities Proceeds from (Payments for) Other Financing Activities Variable consideration Revenue, Remaining Performance Obligation, Variable Consideration Amount Revenue, Remaining Performance Obligation, Variable Consideration Amount Redeemable noncontrolling interest, equity, common stock, percent of exercise price to be paid (as percent) Redeemable Noncontrolling Interest, Equity, Common Stock, Percent Of Exercise Price To Be Paid Redeemable Noncontrolling Interest, Equity, Common Stock, Percent Of Exercise Price To Be Paid Comprehensive loss attributable to 3D Systems Corporation Comprehensive Income (Loss), Net of Tax, Attributable to Parent Accrued taxes Accrued Income Taxes, Current Security Exchange Name Security Exchange Name Award Type [Axis] Award Type [Axis] Deferred debt issuance cost, writeoff Deferred Debt Issuance Cost, Writeoff Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems: Net Income (Loss) Attributable to Noncontrolling Interest [Abstract] Work in process Inventory, Work in Process, Net of Reserves Property and equipment, net Property, Plant and Equipment, Net Total liabilities Liabilities Long-lived assets Long-Lived Assets Convertible Debt Convertible Debt [Member] Number of variable interest entities Variable Interest Entity, Number Of Entities Variable Interest Entity, Number Of Entities 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 and development 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] Finite-lived intangible assets average useful life (in years) Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life Expiration Date Trading Arrangement Expiration Date Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Current operating lease liabilities Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Common stock, shares issued (in shares) Common Stock, Shares, Issued Threshold consecutive trading days Debt Instrument, Convertible, Threshold Consecutive Trading Days Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Concentration risk (as a percentage) Concentration Risk, Percentage Basic (in dollars per share) Share-Based Payment Arrangement, Change In Estimate, Earnings Per Share, Basic Share-Based Payment Arrangement, Change In Estimate, Earnings Per Share, Basic Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Research and development Research and Development Expense [Member] Common stock, shares authorized (in shares) Common Stock, Shares Authorized Acquisitions and other investments, net of cash acquired Payments to Acquire Businesses, Net of Cash Acquired Basis of Presentation Basis of Accounting, Policy [Policy Text Block] Customer deposits Contract with Customer, Liability, Customer Deposits, Current Contract with Customer, Liability, Customer Deposits, Current Total notes receivable Financing Receivable, after Allowance for Credit Loss Unrealized gain on short-term investments OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment and Tax Diluted (in shares) Weighted average shares outstanding - diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted Expected cash charges Restructuring and Related Cost, Expected Cost Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target two (as percent) Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target Two Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target Two Restructuring expense Restructuring Costs MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Remainder of 2024 Finite-Lived Intangible Asset, Expected Amortization, Remainder of Fiscal Year Purchase obligation, to be purchase within next year Purchase Obligation, to be Paid, Year One Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target one (as percent) Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target One Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target One Related Party Related Party [Member] Litigation Case [Axis] Litigation Case [Axis] Amounts included in contract liability at the beginning of period Contract with Customer, Liability, Revenue Recognized, Including Opening Balance Contract with Customer, Liability, Revenue Recognized, Including Opening Balance Concentration Risk Type [Domain] Concentration Risk Type [Domain] Acquisition and divestiture-related expense Acquisition And Divestiture Related Expense Acquisition And Divestiture Related Expense Selling, general and administrative Selling, General and Administrative Expense Repayments of convertible debt Repayments of Convertible Debt Accounts receivable, net of reserves â€“ $3,089 and $3,389 Accounts receivable, net of reserves Accounts receivable Accounts Receivable, after Allowance for Credit Loss, Current Conversion price (in dollars per share) Debt Instrument, Convertible, Conversion Price Total cost of sales Cost of Sales [Member] Ownership percentage Subsidiary, Ownership Percentage, Parent Products Product [Member] Revenues from External Customers and Long-Lived Assets [Line Items] Revenues from External Customers and Long-Lived Assets [Line Items] Asset impairment Asset Impairment Charges Foreign currency translation Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Gain (Loss) Arising During Period, Net of Tax Carrying value Long-Term Debt 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] Remaining lease term Lessee, Term Of Contract Lessee, Term Of Contract Amortization expense for intangible assets, 2026 Finite-Lived Intangible Asset, Expected Amortization, Year Two Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Goodwill expected to be tax deductible Business Acquisition, Goodwill, Expected Tax Deductible Amount ASSETS Assets [Abstract] Total other comprehensive (loss) income, net of taxes: Other Comprehensive Income (Loss), Net of Tax Document Type Document Type Effective interest rate Debt Instrument, Interest Rate, Effective Percentage Directorate of Defense Trade Controls Directorate Of Defense Trade Controls [Member] Directorate Of Defense Trade Controls Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Schedule of Segment Reporting Information by Segment Schedule of Segment Reporting Information, by Segment [Table Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Interest expense Investment Income, Investment Expense Schedule of Contract with Customer, Contract Asset, Contract Liability, and Receivable Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Maximum Maximum [Member] Amortization expense Amortization of Intangible Assets Contract liabilities Contract with Customer, Liability Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Net Finite-Lived Intangible Assets, Net Accounts payable Accounts payable Accounts Payable, Current Pension plan adjustment Other Comprehensive (Income) Loss, Defined Benefit Plan, Reclassification Adjustment from AOCI, after Tax Revenue: Revenues [Abstract] Fair Value Measurements Fair Value Measurement, Policy [Policy Text Block] Acquisitions Business Combination Disclosure [Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Vesting [Axis] Vesting [Axis] Award Type [Domain] Award Type [Domain] Name Outstanding Recovery, Individual Name Cash acquired Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Business combination, increase in consideration transferred Business Combination, Increase (Decrease) In Consideration Transferred Business Combination, Increase (Decrease) In Consideration Transferred Shares withheld related to net-share settlement of equity awards (in shares) Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Net assets acquired Business Combination, Recognized Identifiable Assets Acquired, Goodwill, and Liabilities Assumed, Net Long-term deferred income tax assets Deferred Income Tax Assets, Net Non-PEO NEO Non-PEO NEO [Member] Additional Paid-In Capital Additional Paid-in Capital [Member] Long-term finance lease liabilities Finance Lease, Liability, Noncurrent Award Timing Predetermined Award Timing Predetermined [Flag] Deferred revenue and customer deposits Increase (Decrease) in Contract with Customer, Asset Subsequent Event Type [Domain] Subsequent Event Type [Domain] Collaborative Arrangement Collaborative Arrangement [Member] Investment, Name [Axis] Investment, Name [Axis] Restricted cash included in other assets Restricted Cash, Noncurrent Customer relationships Customer Relationships [Member] Forecast Forecast [Member] Diluted (in dollars per share) Net loss per share - diluted (in dollars 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 Revenue Recognition Revenue from Contract with Customer [Policy Text Block] Non-cash operating lease expense Operating Lease, Right-of-Use Asset, Periodic Reduction Name Measure Name Cost of sales: Cost of Goods and Services Sold [Abstract] Entity Interactive Data Current Entity Interactive Data Current Type of Restructuring [Domain] Type of Restructuring [Domain] Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Ownership [Axis] Ownership [Axis] Vesting percentage Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage Redemption percentage of principal amount Debt Instrument, Redemption Price, Percentage of Principal Amount Redeemed Foreign exchange (loss) gain, net Gain (Loss), Foreign Currency Transaction, before Tax Customer [Axis] Customer [Axis] Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Export Controls and Government Contracts Compliance Export Controls And Government Contracts Compliance [Member] Export Controls And Government Contracts Compliance Wematter Wematter AB [Member] Wematter AB Restructuring and Exit Activity Costs Restructuring and Related Activities Disclosure [Text Block] Stock-based compensation Share-Based Payment Arrangement, Noncash Expense Construction Contractor, Receivable, to be Collected, after Year One, Interest Rate [Table] Construction Contractor, Receivable, to be Collected, after Year One, Interest Rate [Table] Net loss before redeemable non-controlling interest Net loss before redeemable non-controlling interest Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Share-Based Payment Arrangement, Tranche Two Share-Based Payment Arrangement, Tranche Two [Member] Guarantor Obligations, Nature [Domain] Guarantor Obligations, Nature [Domain] Provision for income taxes Income Tax Expense (Benefit) Securities Class Action Securities Class Action [Member] Securities Class Action Non-operating income (expense): Nonoperating Income (Expense) [Abstract] Interest rate (as a percentage) Debt Instrument, Interest Rate, Stated Percentage Supplemental cash flow information Supplemental Cash Flow Information [Abstract] Belgium BELGIUM Unrecognized stock-based compensation expense, period for recognize Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Total revenue Revenue Revenue Revenue from Contract with Customer, Excluding Assessed Tax Total non-operating income Nonoperating Income (Expense) Services Service [Member] Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Provision for inventory obsolescence Inventory Write-down Effective income tax rate Effective Income Tax Rate Reconciliation, Percent Net cash (used in) provided by investing activities Net Cash Provided by (Used in) Investing Activities Loss from operations Operating Income (Loss) AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward] AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward] Business Acquisition [Line Items] Business Acquisition [Line Items] Number of reportable segments Number of Reportable Segments Total liabilities, redeemable non-controlling interest and stockholdersâ€™ equity Liabilities and Equity Subsequent Events Subsequent Events [Text Block] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] All Adjustments to Compensation All Adjustments to Compensation [Member] Payments for legal settlements, paid by insurance Payments For Legal Settlements, Paid By Insurance Payments For Legal Settlements, Paid By Insurance Threshold consecutive trading days, sale price per share Debt Instrument, Convertible, Threshold Consecutive Trading Days, Sale Price Debt Instrument, Convertible, Threshold Consecutive Trading Days, Sale Price Compensation and benefits Employee-related Liabilities, Current Schedule of Equity Investments Equity Method Investments [Table Text Block] Prepaid expenses and other current assets Increase (Decrease) in Prepaid Expense and Other Assets Guarantor obligations, maximum exposure, undiscounted Guarantor Obligations, Maximum Exposure, Undiscounted Restructuring charges Costs incurred during the period Total Restructuring Charges Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income (Loss) [Line Items] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Interest income (expense), net Interest Income (Expense), Nonoperating Schedule of Earnings Per Share, Basic, by Common Class, Including Two Class Method [Table] Earnings Per Share, Basic, by Common Class, Including Two-Class Method [Table] Interest income Investment Income, Interest Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Phantom Share Units (PSUs) Phantom Share Units (PSUs) [Member] Industrial Solutions Industrial Segment [Member] Industrial Segment Long-term liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities Underlying Security Market Price Change Underlying Security Market Price Change, Percent Scenario [Domain] Scenario [Domain] Individual: Individual [Axis] Shares withheld related to net-share settlement of equity awards Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation Accumulated Other Comprehensive (Loss) Income AOCI Attributable to Parent [Member] Performance obligations expected to be satisfied, expected timing Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Inventories Total inventories Inventory, Net Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Product and Service [Axis] Product and Service [Axis] Entity Address, State or Province Entity Address, State or Province Redeemable non-controlling interest redemption value in excess of carrying value Redeemable non-controlling interest redemption value in excess of carrying value Noncontrolling Interest, Change in Redemption Value Statement [Line Items] Statement [Line Items] Payments to terminate lease Payments To Terminate Lease Payments To Terminate Lease Schedule of Equity Method Investments [Line Items] Schedule of Equity Method Investments [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Operating expenses: Operating Expenses [Abstract] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Conversion price (in dollars per share) Debt Instrument, Convertible, Stock Price Trigger Vesting [Domain] Vesting [Domain] Numerator for basic and diluted net loss per share: Net Income (Loss) Available to Common Stockholders, Basic, Operations [Abstract] LIABILITIES, REDEEMABLE NON-CONTROLLING INTEREST AND EQUITY Liabilities and Equity [Abstract] Share-based compensation arrangement, increased expense valuation Share-Based Compensation Arrangement, Increased Expense Valuation Share-Based Compensation Arrangement, Increased Expense Valuation Accounts receivable Increase (Decrease) in Accounts and Other Receivables Stock-based compensation expense Employee Benefits and Share-Based Compensation APAC Asia Pacific [Member] Costs incurred Restructuring and Related Cost, Incurred Cost Schedule of Finite-Lived Intangible Assets Acquired as Part of Business Combination Schedule of Finite-Lived Intangible Assets Acquired as Part of Business Combination [Table Text Block] Minimum Minimum [Member] Restatement Determination Date Restatement Determination Date Adoption Date Trading Arrangement Adoption Date Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Historical impairment charges Equity Securities without Readily Determinable Fair Value, Impairment Loss, Cumulative Amount Adjusted EBITDA Adjusted Earnings before Interest Taxes Depreciation and Amortization Adjusted Earnings before Interest Taxes Depreciation and Amortization Operating lease right-of-use assets Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Provision for bad debts Accounts Receivable, Credit Loss Expense (Reversal) Segments [Axis] Segments [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] Payments to investment Payments to Acquire Equity Method Investments Principal Long-Term Debt, Gross Exercise Price Award Exercise Price Net Loss Per Share Earnings Per Share [Text Block] Aggregate grant date fair value of outstanding and unvested Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Outstanding And Unvested, Fair Value Arrangement Duration Trading Arrangement Duration Subsequent Event Subsequent

Event [Member] Other Other Equity Investment Other Equity Investment Leases Lessee, Finance Leases [Text Block] Goodwill and Intangible Assets Goodwill and Intangible Assets Disclosure [Text Block] Other foreign entities Other Foreign Entities [Member] Other Foreign Entities Schedule of Convertible Notes Payable Convertible Debt [Table Text Block] Restricted cash included in prepaid expenses and other current assets Restricted Cash and Cash Equivalents, Current Stockholdersâ€™ 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 Loss on short-term investments Gain (Loss) on Investments Bureau of Industry and Security of the Department of Commerce Bureau Of Industry And Security Of The Department Of Commerce [Member] Bureau Of Industry And Security Of The Department Of Commerce Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Segments [Domain] Segments [Domain] Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Debt instrument, repurchase amount Debt Instrument, Repurchase Amount Unrealized loss on short-term investments Accumulated Unrealized Loss On Short Term Investment, Including Portion Attributable To Noncontrolling Interest [Member] Accumulated Unrealized Loss On Short Term Investment, Including Portion Attributable To Noncontrolling Interest Amortization expense for intangible assets, 2028 Finite-Lived Intangible Asset, Expected Amortization, Year Four All Individuals All Individuals [Member] Investments and Note Receivable Investments And Notes Receivable [Text Block] Investments And Notes Receivable Entach Inc Entach Inc [Member] Entach Inc PEO PEO [Member] Transfer of equipment from inventory to property and equipment, net Transfer Of Equipment From Inventory To Property And Equipment, Net Transfer of equipment from inventory to property and equipment, net. Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Name Trading Arrangement, Individual Name Other income, net Other Nonoperating Income (Expense) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Intangible assets, net Intangible Assets, Net (Excluding Goodwill) Acquisition related earnout amount to be recovered Business Combination, Contingent Consideration, Liability, To Be Recovered Business Combination, Contingent Consideration, Liability, To Be Recovered Loss on equity method investment, net of income taxes Loss on equity method investment, net of taxes Income (Loss) from Equity Method Investments Loss before income taxes Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest 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] Share-Based Payment Arrangement, Tranche Three Share-Based Payment Arrangement, Tranche Three [Member] 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] Related Party [Domain] Related and Nonrelated Parties [Domain] Cash equivalents Cash and Cash Equivalents, Fair Value Disclosure Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] Convertible Senior Notes Due 2026 Convertible Senior Notes Due 2026 [Member] Convertible Senior Notes Due 2026 Local Phone Number Local Phone Number Liabilities: Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities [Abstract] Number of non-financial milestones Share-Based Compensation Arrangements By Share-Based Payment Award, Number Of Non-Financial Milestones Share-Based Compensation Arrangements By Share-Based Payment Award, Number Of Non-Financial Milestones Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Germany GERMANY Total liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Total operating expenses Operating Expenses Long-term deferred income tax liabilities Deferred Income Tax Liabilities, Net Schedule of Equity Method Investments [Table] Equity Method Investment [Table] Americas Americas [Member] Changes in operating accounts: Increase (Decrease) in Operating Capital [Abstract] PEO Total Compensation Amount PEO Total Compensation Amount Number of employees Business Combination, Number Of Key Employees Required For Milestone Business Combination, Number Of Key Employees Required For Milestone Issuance of shares (in shares) Business Acquisition, Equity Interest Issued or Issuable, Number of Shares Pension plan adjustments Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, after Tax Schedule of Accrued Liabilities Schedule of Accrued Liabilities [Table Text Block] Acquired technology Acquired Technology [Member] Acquired technology [Member] Income Statement Location [Axis] Statement of Income Location, Balance [Axis] Schedule of Long-Lived Assets by Geographic Areas Long-Lived Assets by Geographic Areas [Table Text Block] Sales and maturities of short-term investments Proceeds from Sale and Maturity of Debt Securities, Available-for-Sale Milestones terminated Business Combination, Number Of Milestones Terminated Business Combination, Number Of Milestones Terminated Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common Stock Common Stock [Member] Measure: Measure [Axis] Stock-based compensation expense Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Share price (in dollars per share) Share Price 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] Entity Emerging Growth Company Entity Emerging Growth Company Fair value of investment Convertible Preferred Stock, Fair Value Convertible Preferred Stock, Fair Value Segment Reporting [Abstract] Segment Reporting [Abstract] Entity Central Index Key Entity Central Index Key Litigation amount Loss Contingency, Damages Sought, Value Scenario [Axis] Scenario [Axis] Schedule of Components of Inventories Schedule of Inventory, Current [Table Text Block] Equity Method Investments and Joint Ventures [Abstract] 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 Construction Contractor, Receivable, after Year One, Interest Rate [Line Items] Construction Contractor, Receivable, after Year One, Interest Rate [Line Items] Finance lease right-of-use assets Finance Lease, Right-of-Use Asset, after Accumulated Amortization Accumulated Other Comprehensive Loss Equity [Text Block] Accrued product warranty liability Standard Product Warranty Accrual Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Equity Component [Domain] Intangible assets: Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill [Abstract] Segment Information Segment Reporting Disclosure [Text Block] Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Amounts reclassified from accumulated other comprehensive income (loss) Reclassification from Accumulated Other Comprehensive Income, Current Period, Net of Tax 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 Debt instrument, repurchased face amount Debt Instrument, Repurchased Face Amount Settlements made Settlements Made Warranty revenue recognized. Guarantor Obligations, Nature [Axis] Guarantor Obligations, Nature [Axis] Consolidated Entities [Axis] Consolidated Entities [Axis] Statement [Table] Statement [Table] Foreign currency translation adjustment Accumulated Foreign Currency Adjustment Including Portion Attributable to Noncontrolling Interest [Member] Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Less: comprehensive (loss) gain attributable to redeemable non-controlling interest Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Shares issued, vested & expired under equity incentive plans Shares Issued, Vested & Expired Under Compensation Shares Issued, Vested & Expired Under Compensation Additional payments Business Combination, Contingent Consideration, Liability Cash interest payments Interest Paid, Excluding Capitalized Interest, Operating Activities Healthcare Solutions Healthcare Segment [Member] Healthcare Segment Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Stockholders' Equity Note [Abstract] Stockholders' Equity Note [Abstract] Foreign currency translation adjustment Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] Remaining milestones Business Combination, Number Of Remaining Milestones Business Combination, Number Of Remaining Milestones Long-term debt, net of deferred financing costs Long-Term Debt, Excluding Current Maturities Schedule of Segment Reporting Information, by Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Financial Standby Letter of Credit Financial Standby Letter of Credit [Member] Total intangible assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Equity investments without readily determinable fair values Aggregate carrying value of equity investments without a readily determinable value Equity Securities without Readily Determinable Fair Value, Amount Restructuring Reserve [Roll Forward] Restructuring Reserve [Roll Forward] Subsequent Event Type [Axis] Subsequent Event Type [Axis] Other Other Intangible Assets [Member] Remaining performance obligation (as a percentage) Revenue, Remaining Performance Obligation, Percentage Income Taxes Income Tax Disclosure [Text Block] Net loss per common share: Earnings Per Share [Abstract] Raw materials Inventory, Raw Materials, Net of Reserves Current assets, including cash acquired Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets Accumulated deficit Retained Earnings (Accumulated Deficit) Revenue from Contract with Customer Benchmark Revenue from Contract with Customer Benchmark [Member] Inventories Increase (Decrease) in Inventories Provision (benefit) for deferred income taxes and reserve adjustments Deferred Income Taxes and Tax Credits Amount awarded Litigation Settlement, Amount Awarded to Other Party 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] Net cash used in financing activities Net Cash Provided by (Used in) Financing Activities Underlying Securities Award Underlying Securities Amount Performance Shares Performance Shares [Member] Amendment Flag Amendment Flag Entity Registrant Name Entity Registrant Name Payment in cash Payments to Acquire Businesses, Gross Loss on the disposition of businesses, property, equipment and other assets Gain (Loss) on Disposition of Property Plant Equipment 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] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Gross profit Gross Profit Fair Value as of Grant Date Award Grant Date Fair Value Customer Concentration Risk Customer Concentration Risk [Member] Subsequent Events [Abstract] Other comprehensive income (loss) Other Comprehensive Income (Loss), before Reclassifications, Net of Tax Unamortized deferred issuance costs Debt Issuance Costs, Net Borrowings Debt Disclosure [Text Block] Geographical [Domain] Geographical [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Entity Address, Postal Zip Code Entity Address, Postal Zip Code Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Consolidated Entities Consolidation, Policy [Policy Text Block] Schedule of Restructuring and Related Costs [Table] Restructuring Cost [Table] Restatement Determination Date: Restatement Determination Date [Axis] Incentive Awards Incentive Awards [Member] Incentive Awards Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Title of 12(b) Security Title of 12(b) Security Concentration Risk Type [Axis] Concentration Risk Type [Axis] Common stock, $0.001 par value, authorized 220,000 shares; shares issued 133,587 and 133,619 as of June 30, 2024 and December 31, 2023, respectively Common Stock, Value, Issued Share-Based Payment Arrangement [Abstract] Cash and cash equivalents Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Share-based compensation arrangement by share-based payment award, milestone awards recognized Share-Based Compensation Arrangement By Share-Based Payment Award, Milestone Awards Recognized Share-Based Compensation Arrangement By Share-Based Payment Award, Milestone Awards Recognized Saudi Arabian Industrial Investments Company Saudi Arabian Industrial Investments Company [Member] Saudi Arabian Industrial Investments Company 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] Threshold trading days Debt Instrument, Convertible, Threshold Trading Days Finite-Lived Intangible Assets [Line Items] Finite-Lived Intangible Assets [Line Items] Gain on debt extinguishment Gain on extinguishment of debt Gain (Loss) on Extinguishment of Debt 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] Threshold percentage of sales price per share Debt Instrument, Threshold Percentage of Sales Price Percent Debt Instrument, Threshold Percentage of Sales Price Percent Balance at beginning of period Balance at the end of period Deferred Warranty Revenue Deferred warranty revenue. Variable Interest Entity, Not Primary Beneficiary Variable Interest Entity, Not Primary Beneficiary [Member] Cash and Cash Equivalents [Domain] Cash and Cash Equivalents [Domain] Redeemable Non-Controlling Interest Noncontrolling Interest Disclosure [Text Block] Depreciation, amortization and accretion of debt discount Depreciation, Depletion and Amortization, Nonproduction Basic (in dollars per share) Net loss per share - basic (in dollars per share) Earnings Per Share, Basic Accounts payable Increase (Decrease) in Accounts Payable Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Warrant Obligation [Roll Forward] Movement in Standard and Extended Product Warranty Accrual, Increase (Decrease) [Roll Forward] Stock options Equity Option [Member] Ownership [Domain] Ownership [Domain] Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Amortization expense Amortization Net loss attributable to common stock shareholders Net Income (Loss) Available to Common Stockholders, Basic Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] 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] Total assets Assets Negotiation period Business Combination, Contingent Consideration, Liability, Recovery Negotiation Period Business Combination, Contingent Consideration, Liability, Recovery Negotiation Period Amortization expense for intangible assets, 2025 Finite-Lived Intangible Asset, Expected Amortization, Year One Total cost of sales 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 Additional payment period Business Combination, Contingent Consideration, Liability, Period Business Combination, Contingent Consideration, Liability, Period Purchases of property and equipment Payments to Acquire Property, Plant, and Equipment Other liabilities Other Liabilities, Noncurrent Lease assets obtained in exchange for new lease liabilities Right-of-Use Asset Obtained In Exchange For Lease Liability Right-of-Use Asset Obtained In Exchange For Lease Liability Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Commitments and contingencies (Note 16) Commitments and Contingencies Termination Date Trading Arrangement Termination Date Redeemable Noncontrolling Interest Equity [Roll Forward] Redeemable Noncontrolling Interest Equity [Roll Forward] Redeemable Noncontrolling Interest Equity 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] Business combination, contingent consideration, reduced liability Business Combination, Contingent Consideration, Reduced Liability Business Combination, Contingent Consideration, Reduced Liability Percentage of conversion price Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger Stock-Based Compensation Share-Based Payment Arrangement [Text Block] Translation adjustments Redeemable Noncontrolling Interest, Equity, Translation Adjustments Redeemable Noncontrolling Interest, Equity, Translation Adjustments Schedule of Revenue by Geographic Region Revenue from External Customers by Geographic Areas [Table Text Block] Entity Address, City or Town Entity Address, City or Town Guarantor obligations, extension term Guarantor Obligations, Extension Term Guarantor Obligations, Extension Term Schedule of Recognized Identified Assets Acquired and Liabilities Assumed Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block] Debt Instrument [Axis] Debt Instrument [Axis] Noncontrolling Interest [Abstract] Noncontrolling Interest [Abstract] Other non-operating income (expense) Other Operating Income (Expense), Net Stock-based compensation expense Share-Based Payment Arrangement, Expense Net loss attributable to 3D Systems Corporation Net loss attributable to 3D Systems Corp. Net loss attributable to 3D Systems Corporation Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Loss Contingencies [Table] Loss Contingencies [Table] Business Acquisition [Axis] Business Acquisition [Axis] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Escrow deposit Escrow Deposit 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] Entity File Number Entity File Number Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Axis] Consolidated Entities [Domain] Consolidated Entities [Domain] Revenue Revenue from Contract with Customer [Text Block] Document Fiscal Year Focus Document Fiscal Year Focus Corporate expense not allocated

to segments Other Nonoperating Expense Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Denominator for net loss per share: Weighted Average Number of Shares Outstanding Reconciliation [Abstract] Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Effect of exchange rate changes on cash, cash equivalents and restricted cash Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Reduction in severance costs Severance Costs Other accrued liabilities Other Accrued Liabilities, Current Accrued and other liabilities Increase (Decrease) in Accrued Liabilities and Other Operating Liabilities Name Forgone Recovery, Individual Name Document Period End Date Document Period End Date Inventory reserve Inventory Valuation Reserves Current finance lease liabilities Finance Lease, Liability, Current Long-term note receivable Financing Receivable, after Allowance for Credit Loss, Noncurrent Finished goods and parts Inventory, Finished Goods, Net of Reserves Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Insider Trading Arrangements [Line Items] Line of Credit Facility [Line Items] Line of Credit Facility [Line Items] RegMed Milestone RegMed Milestone [Member] RegMed Milestone Contract assets Contract with Customer, Asset, after Allowance for Credit Loss Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Accounts payable and accrued liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable Adjustment to Compensation: Adjustment to Compensation [Axis] Number of installment payments Litigation Settlement, Number Of Installment Payments Litigation Settlement, Number Of Installment Payments Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Schedule of Recognized Warranty Revenue and Incurred Warranty Costs Schedule Of Recognized Warranty Revenue And Incurred Warranty Costs [Table Text Block] Schedule Of Recognized Warranty Revenue And Incurred Warranty Costs [Table Text Block]. Less: net (loss) income attributable to redeemable non-controlling interest Net loss Net loss attributable to redeemable non-controlling interest Net Income (Loss) Attributable to Noncontrolling Interest Subsidiary or Equity Method Investee, Sale of Stock by Subsidiary or Equity Investee [Table] Subsidiary or Equity Method Investee, Sale of Stock, Type [Table] Regulatory Agency [Axis] Regulatory Agency [Axis] Maximum exposure to losses Variable Interest Entity, Reporting Entity Involvement, Maximum Loss Exposure, Amount Document Transition Report Document Transition Report Document Quarterly Report Document Quarterly Report Obligation to purchase inventory Purchase Obligation Measurement period Debt Instrument, Convertible, Measurement Period Debt Instrument, Convertible, Measurement Period Schedule of Redeemable Noncontrolling Interest Redeemable Noncontrolling Interest [Table Text Block] Litigation Case [Domain] Litigation Case [Domain] Fair Value, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Customer [Domain] Customer [Domain] Accumulated other comprehensive loss Accumulated Other Comprehensive Income (Loss), Net of Tax Entity Current Reporting Status Entity Current Reporting Status Accumulated Deficit Retained Earnings [Member] Ownership percentage by existing shareholders Subsidiary, Ownership Percentage, Noncontrolling Owner Amortization of debt issuance costs Amortization of Debt Issuance Costs Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Legal and other related costs Legal and other related costs Litigation Settlement, Fee Expense Related Party [Axis] Related and Nonrelated Parties [Axis] Basic (in shares) Weighted average shares outstanding - basic (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Dp polar GmbH Dp polar GmbH [Member] Dp polar GmbH Shares issued, vested & expired under equity incentive plans (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested, Number of Shares Schedule of Revenues from External Customers and Long-Lived Assets [Table] Schedule of Revenues from External Customers and Long-Lived Assets [Table] Subsidiary, Sale of Stock [Line Items] Subsidiary, Sale of Stock [Line Items] Total stockholdersâ€™ equity Beginning balance Ending balance Equity, Including Portion Attributable to Noncontrolling Interest Regulatory Agency [Domain] Regulatory Agency [Domain] Restricted Stock Units (RSUs) Restricted Stock Units (RSUs) [Member] Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] One Customer One Customer [Member] One Customer Executive Category: Executive Category [Axis] Name Awards Close in Time to MNPI Disclosures, Individual Name Weighted average shares outstanding: Weighted Average Number Of Share Outstanding [Abstract] Weighted Average Number Of Share Outstanding Entity Filer Category Entity Filer Category Balance at beginning of period Balance at the end of period Restructuring Reserve Outstanding performance obligation Revenue, Remaining Performance Obligation, Amount Income Statement Location [Domain] Statement of Income Location, Balance [Domain] Loss Contingencies [Line Items] Loss Contingencies [Line Items] Company Selected Measure Name Company Selected Measure Name Acquired patents Patented Technology [Member] EX-101.PRE 10 ddd-20240630_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 11 ddd-20240630_g1.jpg begin 644 ddd-20240630_g1.jpg M_]C_X 02D9)1@ ! 0$ > !X #_X1#X17AI9@ 34T *@ @ ! $[(M / (2H=I 0 ! (6IR= $ > 0TNH< < @, /@ M &ULG,Z9&,] M(FAT=' Z+R]P=7)L+F]R9R]D8R]E;&5M96YT'!A8VME="!E;F0])W7J#A(6&AXB)BI*3E)66EYB9FJ*CI*6FIZBIJK*SM+6VM[BYNL+#Q,7&Q\C) MRM+3U-76U]C9VN'BX^3EYN?HZ>KQ\O/T]?;W^/GZ_\0 'P$ P$! 0$! 0$! M 0 $" P0%!@<("0H+_\0 M1$ @$"! 0#! <%! 0 0)W $" Q$$ M!2$Q!A)!40=A<1,B,H$(%$*1H;'!"2,S4O 58G+1"A8D-.$E\1<8&1HF)R@I M*C4V-S@Y.D- $149'2$E*4U155E=865IC9&5F9VAI:G-T=79W>'EZ@H.$A8:' MB(F*DI.4E9:7F)F:HJ.DI::GJ*FJLK.TM;:WN+FZPL/$Q<;'R,G*TM/4U=;7 MV-G:XN/DY>;GZ.GJ\O/T]?;W^/GZ_]H # ,! (1 Q$ /P#Z1HHHH **** " MBBB@ HHHH **"<#)KE?$?C2WTK=;V 6XO.A[I'_O8ZGV% '545X?+J5[-?\ MVV2ZE-SG/FEN1]/0>U>X 8I@%%>-_&&>8^)K.W,K&%;19%CSP&+N"<>N /RJ MKX,^(MSH7EV.KL]SIZC:A R\/H!ZK[=NW3!+ >W456L-0M=2M$N;"=+B!QE9 M$.0?_K^U6:0!1110 4444 %%%% !1110 4444 %%%% !1110 4R::.WB:69U M2-!EF8X 'J:IZKK-GI%I]HO)=HZ*@&6<^@'^17EVO^)KS7IL2_NK93E(%.1] M3ZT ;7B+QU)=;[;1'>*$Y#7&,,XZ?+Z#OG@_2N,HZ450@KWFO!]JYI,9X]\8 MT U[3WP-S6Q!/L&./YUYU7H_QD_Y#>G?]>Y_]"KSBFA&WX\5ZEX8NQ)8R%H M"V9;9S\C], 0\#GK_(^W>&/%FG^*;$S63%)H\">!S\T9(_4>A[_I7SM4]G>W M.G7:75C,\$\>2DB'!'%*P'T_17!>"_B1!K;1V&L+6_9MJ,.(YL],>C=L=ST MZX'>@@CBD,**** "BBB@ HHHH **** "BBFR2+%&SNRJJC)+']Z '$XKFO M$?C&WT=;VVVXO,$;<_+'QP6_P /Y5B>)/'+2;[317"@?*]SCK_N?X_EZUPQ MR6))))ZY-.P%F_O[G4[MKF]E:61NYZ >@'8C_&3_D- MZ=_U[G_T*O.*8@HHH]?;K0 5Z'X-^)D^F>7I^OLT]F,!+CJ\(QT(RPZ>XYZ M\ >>?_JHH ^HK>XBNK=)[>19(I%#(Z'(8'H0:DKP[P)X[E\.3"QU M+I+-5.D^'YY8F*S28BB8'HQ M[_@ 3^%>0C@4T 44Z.*2:58X4:1V.%11DD^PKO/#W@$#;-$DE; MEG!8*?H,$\"NKCB2",)$BHH& JC %<9X\U^U.FOI5O)YD[NOFA>B 8;D^N<< M#WI >>4444P)K/\ X_[?_KJOZ]SKPRS_P"/^W_ZZK_.O2_&6!EU#2K M@D;7BD0#N"I!_P#9A7F=>I_&G_F"_P#;?_VG7EE-""NY^$ZPS>*KJ"Y1'CGL M)(RCKD/\R$@COP#7#5V/PLG6+Q[;HX_UT,B+CUV[N?P!H W/%WPM^SJ]YX8# MLBC+V9RS #.2AZGMPI8?[0]._P!>"KC/(:](^%_C VEP-#U&0F"8XM&)^XY/W/H<\>A'O7F] M.5F1@R,58'(8'$?4E%<[X(\0CQ)X;ANY&!NH\Q7(')\=^G<8/''..U=%4 MC"BBB@ HHHH \\^)-T7U"SM .(XS*3Z[CC_V7]:YW1O#]]K=P%M$VQ X>9A\ MJ_XGVKTS5_#&GZU?0W5ZLA>$8^1\!QG.#^O3!K4@MX;2!8H(HX8TX5(UP!^ MIW R]#\,V.A1 PIYEQCYIW'S'Z>@_P G-7K_%.TTRT-Q>S+%&.F>I/H!WKG M=?\ '-K8;H-,*W5QW8',:_B.I^GYUYW?7]UJ5T;B^F::0]"W;VZ <]O>BP' M0Z]XWN]3#6]COM;4Y!.[YW'N1T'L/S-U4F,\L^-/_,%_P"V_P#[3KRRO4_C3_S!?^V__M.O M+*:$%=)\/YQ;^/=+1ES^M)&FMT"VE]NFC Z*V?G7'U(/\ P("N0KW?XFZ8=1\%MSO'N,EHZW"A1G.,AOP"LQ_"O"*H1VGPOULZ7XK6UD,+S5Y)(;M- %%6K#3;O4Y_)L;>2=\C. MP<*/4GH/QKO=#\ VUHXFU8K=R@#;$ =BGW_O?CQ[&F(X[1O#>HZVP-K"5ASS M/)P@^A[_(5:\4Z!;>'Q90Q3O-/(C&4D8'7@@=NXZ]J]71%C4*@"]!@ =!7F MGQ#N8I]>BCB<.T,.U\'.TY)Q]<8_.D!R=%%%,"_H7_(Q:;_U]Q?^ABO:J\5T M+_D8M-_Z^XO_ $,5[528SRSXT_\,%_[;_\ M.O+*]?^,O\R!=./_3P?_0: M\@IH05;TNX>TUBSN8L"2&=)%W#(R&!&;J4Y&*.K+PRG(/H: /J,6C[H9XQ(A]B,U8J1D%[:I>V4UM,,QS1M&WT88/6OF2>%[:ZE@E(+Q.4M8KTR#CBOJ*OG7QG:"R\::K$K9!N6D'&,;OFQ^&ZF@,.O"Y\$1P@8^RS MR1?7)W_^SUX=7J?P9O!_Q-+)B,_NY4&#D]0W/_?/YT,1ZG1112&%%%% '->. M;:ZN] $5G;O<.9U++&N2!@\X^N/SKT+P!+/LGUIC%&1D0(WS=>A/;\.?I7H ME5-0U6STN'S;^=(4Z#/);Z ,&5P"Y^G8?K^%06!^=OQ[?A^=?<@?;)A_0[%_N@_S]_IFNDI,9P/Q>L9;CPK!=1 E;6X M#2#HK#;G\\#\:\7KZ>O[*+4;&:SN03#/&T@<$@C%?/_BCPI?\ AG49([B) MGM&<^1*M6\-R,=,N=L3MNDAD&Z-O?';Z MC!KU3PY\4=*U95@U/;IMT?\ GHW[IOH_;Z''48S7B5+0!]2 YKPWXJ68MO'$MDJEB;J".4Y'0@%,#_O@5G^'?&^L>'&2.";[1:#@VT_*@9YVGJO?IQGJ#4OCC MQ)9^*;ZSO;6*>"9+?RIHI I52"2-K#D_>/4#H/6D!R]=Q\)KS[-XU\@AB+JV M>,8Z C#Y/X*1^-6]ETUW*D,:=67&H(7'#?CG- &_K?Q"SOA MT2,CM]HE'ZJOY')_*N)NKNXOKAI[R5YI&_B=LG'I4-%4(***N:?I5]JDPCL+ M9Y3GD@85?J>@H IU-;6=S>S"*T@DF<_PHN?Q^E=SI/PZ1,2:Q/YI_P">,)P/MQ;J?PQ]:[*ULK6PMQ%:01PQ@=$7&>,9/K]:5P.#TGX=SS;9=6N!"I_Y90G+? M]]=!^M=KINBV&DQE&VCBS]YN2Q_$_A3=8U_2O#]F;K6KZ&SBYP96P7..BK MU8^P!->6>)OV@+"U>6#PO8M>N,!;JYRD?N0GWB/KM_3E#/9**^4]4^+GC354 MFC?69+6*5L[+1%BV#=D!7 W@#@?>R1U)YSC?\)OXK_Z&;6?_82_P#Q5 'V M+45S;0W<#0W$22QM]Y)%!!^H-?*.G?%/QKI<316WB"ZE1F+?Z4%G;.,?><$X MXZ9Q^9KMM_:#OH/*B\2Z8ET@VJUQ:-Y;X Y8H'RQO[0M"/^7B([X_S'3\<5[-X=^(' MAGQ2J+I6J0FXAZP7EMH MO[.N&&0]N $S[IT^N,$^M>:^(/AWK>@H9?*6]MADF6V!8J!DY9>HX&<\@>M. MXCE**7%)0 4^*1X94DA=DD1@RLAP5(Y!![&F4OUZ4 ?4-O*)[:.5?NR*&&#GMJ,U)6#X&NA>>!M)D7HMN(NF/N?)_[+6]4C"O&/$43P^)M120;6-R['T)R#^ M1%>SUD:UX:T_7=C7BNLJ<"6(@-CTZ'(_SZTP/':U-*\.:GK(#6=N?*R!YSG: MG/OW_#->B:9X+TC39_.6)[B0'*M<$-M^@P!6^$50 , #H!1<1R6D_#^RM"DF MHN;R0#)3&(_3O\ C^5=7%!%!"L4$:1QK]U$7 'T%29HS2&4]5U.TT;2Y]0U M*X2WM;=-\DK]%']3V '))-> ^+?CMK&J/-:^&H_P"S;)P +AU!N",<]RJ]M3TR>X(KU#XPZ-?ZY\+B#28S/-#*D[0I]Z1%/([GG..^..<5\L?6F!8OM0O M-3O9+O4;J:ZN)#EYIG+,W;DGV 'X57HHH ,\XH'.,=^E=7X)U_PQH=T&\3>& MSJY:3/G&7(B4 <"(_*_/7)Z?CGV6RU3X3^-85B>TTN"=QM\J>%;64 ?* '&, M\$8"L?TX /F^BO>_$'[/UAY[S3)+BW4@?:;3]ZAR/0?,!GC+ <_A0!R0)7IQSGBNW\-?%KQ3X; M\J(7G]H6B$?N+S+X7&,!_O#CH,X&.G7/$44 ?2?AKXZ>'-9=(-75]%N&8*#, MV^$Y.!^\ &/,UZ/;7EK?VZW%G<17,+YVRQ.'5L"!'"4&OB6M/1/$> ML>'+D3ZJ$]HX.2$;Y6_WE/RM^(-(#ZNUWP7H?B%VDO;-1<,N#<0G9)VP2>C M=!]X&O--=^%6KZ:DD^F.FH0*20BC;+C&?N]#Z<')].>*?AS]H2>,I!XHTQ95 MRI##@]..?6O#OC'0?%<'F:+J,4[*,M"3MD3CNAY]L].#S M3 ^>KBWFM)WANH9()4.&CE0JR_4'FF#GI7TGJWA_2==C5-4LHKG9]UB,,OT8 MG1$X6XG EF.#G(7[BY'!!W=>OI]!D9&*YW5?A_P"%=:\TZCH5D\DS%Y98 MXA'([$Y)+IACD]>>: /F.\^(/B^^N#-/XDU-6(P1!J)0^>>6^_U/][VZ<5ZGJ_[/F@W;-)H^HW>G,W\#@3H.G0' M#=CU8]?;%<-JOP%\564?F:=)9:DN<;(Y?+D[\X?"_P#CW>F!TFB_M#1,D4?B M'0V#8/F3V,F<]<8C;&.P^]ZGVK8?4?A'XXD,M_\8(KDL69I]UFY)ZEG&T/]MW/)/7MFO"M6\+Z[H0D;5])O+2.-_+,LD+>66SCA_NGH>02#VS650![AJW[/< M$@W^&]=8#;@1WL8?Y]JX'6OA/XPT60A])DO4YVRV(,P;!] - MPZCJ!^AK T?Q)K.@2!M&U.ZL_G#E(I2$9AW9>C?0@UWNB_'KQ+8)JL%IJ<> M[+.R^3)CCC*_+Z_P]3^% 'F#*R,5=2K \@]12=:][;XL> ?&%NMMXOT62%EB M8!YX!,L>X ,$=?G!/J /N@Y!P*XGQA;_ M^P//X6U'4C=E<1011NT0.&(+& M4!@,X!(8\=CS0!RVA>-/$?AH!=%U>YMXPI A+!XQDY)"-E0<]\=SZUZ9H?[0 MMTC!/$>D12IN&9K)BC 9Y^1BL-S@IY M%TI ZY&&8#=ZE!Q!?CJ<_P!]!QQ_L]1UYX\4@GEM;B.X MMI&BFB\@ $5Q+K21X.1M8C(P>>. - 'QUINBZGK_DZ3I]S>R8R5MX6< M@9 R<#@9(Y/'-=WHGP3\974\UP(-("LK"26?,BX(.5"9.>X!QTZBOIA5VTM M %+2+:>RT>SM;RY-W<00)'+<'.9650"QR3R2,_C5VJ]U?VEB%-[/K0!1[[0;,O(VYGA3RF8Y MSDE,$G)_&NHHH \@U;]GK1[EE;1]7N[Y^99TZ]NGW2._4GK7"ZK\"_%^GQ M[[46>I5=5TF\M/*.&:6!@O7&0V,$ M$]"#@UF5]PT4 ? $=O;3W%Z%^SQ*627Q+K$:@/\T%BA.Y XML 13 R1.htm IDEA: XBRL DOCUMENT

Cover Page - shares	6 Months Ended	
	Jun. 30, 2024	Aug. 22, 2024
Cover [Abstract]		
Document Type	10-Q	
Document Quarterly Report	true	
Document Period End Date	Jun. 30, 2024	
Document Transition Report	false	
Entity File Number	001-34220	
Entity Registrant Name	3D SYSTEMS CORPORATION	
Entity Incorporation, State or Country Code	DE	
Entity Tax Identification Number	95-4431352	
Entity Address, Address Line One	333 Three D Systems Circle	
Entity Address, City or Town	Rock Hill	
Entity Address, State or Province	SC	
Entity Address, Postal Zip Code	29730	
City Area Code	803	
Local Phone Number	326-3900	
Title of 12(b) Security	Common Stock, par value $0.001 per share	
Trading Symbol	DDD	
Security Exchange Name	NYSE	
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		133,573,776
Amendment Flag	false	
Document Fiscal Period Focus	Q2	
Document Fiscal Year Focus	2024	
Current Fiscal Year End Date	--12-31	
Entity Central Index Key	0000910638	

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CONDENSED CONSOLIDATED BALANCE SHEETS - USD ($)	Jun. 30, 2024	Dec. 31, 2023

$ in Thousands		
Current assets:		
Cash and cash equivalents	$ 192,732	$ 331,525
Accounts receivable, net of reserves — $3,089 and $3,389	97,447	101,497
Inventories	141,743	152,188
Prepaid expenses and other current assets	41,769	42,612
Total current assets	473,691	627,822
Property and equipment, net	60,267	64,461
Intangible assets, net	58,276	62,724
Goodwill	114,070	116,082
Operating lease right-of-use assets	53,547	58,406
Finance lease right-of-use assets	11,733	12,174
Long-term deferred income tax assets	3,474	4,230
Other assets	46,429	44,761
Total assets	821,487	990,660
Current liabilities:		
Current operating lease liabilities	9,481	9,924
Accounts payable	41,272	49,757
Accrued and other liabilities	45,282	49,460
Customer deposits	7,456	7,599
Deferred revenue	33,580	30,448
Total current liabilities	137,071	147,188
Long-term debt, net of deferred financing costs	211,368	319,356
Long-term operating lease liabilities	52,536	56,795
Long-term deferred income tax liabilities	4,725	5,162
Other liabilities	32,043	33,400
Total liabilities	437,743	561,901
Commitments and contingencies (Note 16)		
Redeemable non-controlling interest	2,015	2,006
Stockholders' equity:		
Common stock, $0.001 par value, authorized 220,000 shares; shares issued 133,587 and 133,619 as of June 30, 2024 and December 31, 2023, respectively	134	134
Additional paid-in capital	1,584,145	1,577,519
Accumulated deficit	(1,149,909)	(1,106,650)
Accumulated other comprehensive loss	(52,641)	(44,250)
Total stockholders' equity	381,729	426,753
Total liabilities, redeemable non-controlling interest and stockholders' equity	$ 821,487	$ 990,660

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CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) - USD ($)
$ in Thousands

	Jun. 30, 2024	Dec. 31, 2023
Statement of Financial Position [Abstract]		
Accounts receivable, reserves	$ 3,089	$ 3,389
Stockholders' equity:		
Common stock, par value (in dollars per share)	$ 0.001	$ 0.001
Common stock, shares authorized (in shares)	220,000,000	220,000,000
Common stock, shares issued (in shares)	133,587,000	133,619,000

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CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS - USD ($)
shares in Thousands, $ in Thousands

	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Revenue:				
Total revenue	$ 113,252	$ 128,194	$ 216,157	$ 249,430
Cost of sales:				
Total cost of sales	66,154	78,178	128,137	152,316
Gross profit	47,098	50,016	88,020	97,114
Operating expenses:				
Selling, general and administrative	51,494	58,983	108,798	117,268
Research and development	22,016	22,762	45,496	44,971
Total operating expenses	73,510	81,745	154,294	162,239
Loss from operations	(26,412)	(31,729)	(66,274)	(65,125)
Non-operating income (expense):				
Foreign exchange (loss) gain, net	(723)	(1,273)	1,186	(1,645)
Interest income	1,452	5,343	4,250	9,889
Interest expense	(624)	(939)	(1,338)	(1,680)
Other income, net	384	83	21,770	525
Total non-operating income	489	3,214	25,868	7,089
Loss before income taxes	(25,923)	(28,515)	(40,406)	(58,036)
Provision for income taxes	(476)	(222)	(1,847)	(230)
Loss on equity method investment, net of income taxes	(902)	(142)	(1,149)	(142)
Net loss before redeemable non-controlling interest	(27,301)	(28,879)	(43,402)	(58,408)
Less: net (loss) income attributable to redeemable non-controlling interest	(43)	16	(143)	(92)
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)
Net loss per common share:				
Basic (in dollars per share)	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)
Diluted (in dollars per share)	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)
Weighted average shares outstanding:				
Basic (in shares)	131,802	129,907	131,311	129,535
Diluted (in shares)	131,802	129,907	131,311	129,535
Products				
Revenue:				
Total revenue	$ 71,733	$ 89,165	$ 135,784	$ 173,553
Cost of sales:				
Total cost of sales	42,451	56,135	82,038	106,015
Services				
Revenue:				
Total revenue	41,519	39,029	80,373	75,877
Cost of sales:				
Total cost of sales	$ 23,703	$ 22,043	$ 46,099	$ 46,301

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CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE

	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023

LOSS - USD ($)
$ in Thousands

Statement of Comprehensive Income [Abstract]				
Net loss before redeemable non-controlling interest	$ (27,301)	$ (28,879)	$ (43,402)	$ (58,408)
Other comprehensive (loss) income, net of taxes:				
Pension plan adjustments	(2)	(11)	(9)	(11)
Foreign currency translation	(1,196)	712	(8,382)	4,125
Unrealized gain on short-term investments	0	19	0	328
Total other comprehensive (loss) income, net of taxes:	(1,198)	720	(8,391)	4,442
Total comprehensive loss, net of taxes	(28,499)	(28,159)	(51,793)	(53,966)
Less: comprehensive (loss) gain attributable to redeemable non-controlling interest	(43)	16	(143)	(92)
Comprehensive loss attributable to 3D Systems Corporation	$ (28,456)	$ (28,175)	$ (51,650)	$ (53,874)

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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS - USD ($)
$ in Thousands

		6 Months Ended	
		Jun. 30, 2024	**Jun. 30, 2023**
Cash flows from operating activities:			
Net loss before redeemable non-controlling interest		$ (43,402)	$ (58,408)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation, amortization and accretion of debt discount		15,521	18,442
Stock-based compensation		13,673	18,282
Loss on short-term investments		0	6
Non-cash operating lease expense		4,992	4,025
Provision for inventory obsolescence		6,165	4,550
Provision for bad debts		(25)	100
Loss on the disposition of businesses, property, equipment and other assets		643	57
Gain on debt extinguishment		(21,518)	0
Provision (benefit) for deferred income taxes and reserve adjustments		451	0
Loss on equity method investment, net of taxes		1,149	142
Asset impairment		0	1,187
Changes in operating accounts:			
Accounts receivable		2,438	(2,597)
Inventories		479	(24,469)
Prepaid expenses and other current assets		149	(4,556)
Accounts payable		(7,387)	4,381
Deferred revenue and customer deposits		3,943	1,870
Accrued and other liabilities		(7,325)	(6,836)
All other operating activities		(6,254)	(2,445)
Net cash used in operating activities		(36,308)	(46,269)
Cash flows from investing activities:			
Purchases of property and equipment		(7,151)	(13,549)
Sales and maturities of short-term investments		0	179,790
Proceeds from sale of assets and businesses, net of cash sold		96	0
Acquisitions and other investments, net of cash acquired		(2,450)	(15,654)
Net cash (used in) provided by investing activities		(9,505)	150,587
Cash flows from financing activities:			
Repayment of borrowings/long-term debt		(87,218)	0
Taxes paid related to net-share settlement of equity awards		(2,503)	(4,564)
Other financing activities		(659)	(362)
Net cash used in financing activities		(90,380)	(4,926)
Effect of exchange rate changes on cash, cash equivalents and restricted cash		(2,632)	645
Net (decrease) increase in cash, cash equivalents and restricted cash		(138,825)	100,037
Cash, cash equivalents and restricted cash at the beginning of the year	[1]	333,111	391,975
Cash, cash equivalents and restricted cash at the end of the year	[1]	194,286	492,012
Supplemental cash flow information			
Lease assets obtained in exchange for new lease liabilities		997	26,368
Cash interest payments		512	95
Cash income tax payments, net		3,688	4,013
Transfer of equipment from inventory to property and equipment, net	[2]	$ 1,637	$ 2,360

[1] The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the condensed consolidated balance sheets to the total of such amounts reported in the condensed consolidated statements of cash flows.

	June 30, 2024	December 31, 2023	June 30, 2023	December 31, 2022
Cash and cash equivalents	$ 192,732	$ 331,525	$ 490,444	$ 388,134
Restricted cash included in prepaid expenses and other current assets	121	119	1,277	114
Restricted cash included in other assets	1,433	1,467	291	3,727
Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows	$ 194,286	$ 333,111	$ 492,012	$ 391,975

Amounts included in restricted cash as of June 30, 2024, December 31, 2023 and June 30, 2023 primarily relate to guarantees in the form of a standby letter of credit as security for a long-term real estate lease. Refer to Note 16 for further information. Amounts included in restricted cash as of December 31, 2022 primarily relate to $3,435 deposited into an escrow account relating to the initial investment in the National Additive Manufacturing innovation ("NAMI") joint venture. Refer to Note 6 for further information. The remaining amounts in restricted cash in all periods presented relate to collateral for letters of credit and bank guarantees.

[2] Inventory is transferred to property and equipment at cost when we require additional machines for training or demonstration or for placement into on demand manufacturing services locations.

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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Parenthetical) - USD ($)
$ in Thousands

		Jun. 30, 2024	**Dec. 31, 2023**	**Jun. 30, 2023**	**Dec. 31, 2022**
Statement of Cash Flows [Abstract]					
Cash and cash equivalents		$ 192,732	$ 331,525	$ 490,444	$ 388,134
Restricted cash included in prepaid expenses and other current assets		121	119	1,277	114
Restricted cash included in other assets		1,433	1,467	291	3,727
Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows	[1]	$ 194,286	$ 333,111	$ 492,012	391,975
Escrow deposit					$ 3,435

[1] The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the condensed consolidated balance sheets to the total of such amounts reported in the condensed consolidated statements of cash flows.

	June 30, 2024	December 31, 2023	June 30, 2023	December 31, 2022
Cash and cash equivalents	$ 192,732	$ 331,525	$ 490,444	$ 388,134
Restricted cash included in prepaid expenses and other current assets	121	119	1,277	114
Restricted cash included in other assets	1,433	1,467	291	3,727
Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows	$ 194,286	$ 333,111	$ 492,012	$ 391,975

Amounts included in restricted cash as of June 30, 2024, December 31, 2023 and June 30, 2023 primarily relate to guarantees in the form of a standby letter of credit as security for a long-term real estate lease. Refer to Note 16 for further information. Amounts included in restricted cash as of December 31, 2022 primarily relate to $3,435 deposited into an escrow account relating to the initial investment in the National Additive Manufacturing innovation ("NAMI") joint venture. Refer to Note 6 for further information. The remaining amounts in restricted cash in all periods presented relate to collateral for letters of credit and bank guarantees.

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CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY - USD ($)

	Total	**Common Stock**	**Additional Paid-In Capital**	**Accumulated Deficit**	**Accumulated Other Comprehensive (Loss) Income**

shares in Thousands, $ in Thousands					
Beginning balance (in shares) at Dec. 31, 2022		131,207			
Beginning balance at Dec. 31, 2022	$ 749,944	$ 131	$ 1,547,597	$ (743,962)	$ (53,822)
Increase (Decrease) in Stockholders' Equity [Roll Forward]					
Shares issued, vested & expired under equity incentive plans (in shares)		2,786			
Shares issued, vested & expired under equity incentive plans	2	$ 2			
Shares withheld related to net-share settlement of equity awards (in shares)		(489)			
Shares withheld related to net-share settlement of equity awards	(4,564)		(4,564)		
Stock-based compensation expense	19,756		19,756		
Net loss attributable to 3D Systems Corp.	(58,316)			(58,316)	
Pension plan adjustment	(11)				(11)
Unrealized gain on short-term investments	328				328
Redeemable non-controlling interest redemption value in excess of carrying value	(260)		(260)		
Foreign currency translation adjustment	4,125				4,125
Ending balance (in shares) at Jun. 30, 2023		133,504			
Ending balance at Jun. 30, 2023	711,004	$ 133	1,562,529	(802,278)	(49,380)
Beginning balance (in shares) at Mar. 31, 2023		131,164			
Beginning balance at Mar. 31, 2023	729,686	$ 131	1,553,038	(773,383)	(50,100)
Increase (Decrease) in Stockholders' Equity [Roll Forward]					
Shares issued, vested & expired under equity incentive plans (in shares)		2,621			
Shares issued, vested & expired under equity incentive plans	2	$ 2			
Shares withheld related to net-share settlement of equity awards (in shares)		(281)			
Shares withheld related to net-share settlement of equity awards	(2,449)		(2,449)		
Stock-based compensation expense	12,112		12,112		
Net loss attributable to 3D Systems Corp.	(28,895)			(28,895)	
Pension plan adjustment	(11)				(11)
Unrealized gain on short-term investments	19				19
Redeemable non-controlling interest redemption value in excess of carrying value	(172)		(172)		
Foreign currency translation adjustment	712				712
Ending balance (in shares) at Jun. 30, 2023		133,504			
Ending balance at Jun. 30, 2023	711,004	$ 133	1,562,529	(802,278)	(49,380)
Beginning balance (in shares) at Dec. 31, 2023		133,619			
Beginning balance at Dec. 31, 2023	426,753	$ 134	1,577,519	(1,106,650)	(44,250)
Increase (Decrease) in Stockholders' Equity [Roll Forward]					
Shares issued, vested & expired under equity incentive plans (in shares)		542			
Shares withheld related to net-share settlement of equity awards (in shares)		(574)			
Shares withheld related to net-share settlement of equity awards	(2,503)		(2,503)		
Stock-based compensation expense	9,302		9,302		
Net loss attributable to 3D Systems Corp.	(43,259)			(43,259)	
Pension plan adjustment	(9)				(9)
Redeemable non-controlling interest redemption value in excess of carrying value	(173)		(173)		
Foreign currency translation adjustment	(8,382)				(8,382)
Ending balance (in shares) at Jun. 30, 2024		133,587			
Ending balance at Jun. 30, 2024	381,729	$ 134	1,584,145	(1,149,909)	(52,641)
Beginning balance (in shares) at Mar. 31, 2024		133,803			
Beginning balance at Mar. 31, 2024	408,365	$ 134	1,582,325	(1,122,651)	(51,443)
Increase (Decrease) in Stockholders' Equity [Roll Forward]					
Shares issued, vested & expired under equity incentive plans (in shares)		8			
Shares withheld related to net-share settlement of equity awards (in shares)		(224)			
Shares withheld related to net-share settlement of equity awards	(793)		(793)		
Stock-based compensation expense	2,711		2,711		
Net loss attributable to 3D Systems Corp.	(27,258)			(27,258)	
Pension plan adjustment	(2)				(2)
Redeemable non-controlling interest redemption value in excess of carrying value	(98)		(98)		
Foreign currency translation adjustment	(1,196)				(1,196)
Ending balance (in shares) at Jun. 30, 2024		133,587			
Ending balance at Jun. 30, 2024	$ 381,729	$ 134	$ 1,584,145	$ (1,149,909)	$ (52,641)

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CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY (Parenthetical) - $ / shares	Jun. 30, 2024	Dec. 31, 2023	Jun. 30, 2023
Statement of Stockholders' Equity [Abstract]			
Common stock, par value (in dollars per share)	$ 0.001	$ 0.001	$ 0.001

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Basis of Presentation	6 Months Ended Jun. 30, 2024
Organization, Consolidation and Presentation of Financial Statements [Abstract]	
Basis of Presentation	**(1) Basis of Presentation**

Consolidated Entities

The accompanying unaudited condensed consolidated financial statements include the accounts of 3D Systems Corporation and all majority and wholly-owned subsidiaries and entities in which a controlling interest is maintained ("3D Systems" or the "Company" or "we" or "our" or "us"). All significant intercompany accounts and transactions have been eliminated in consolidation. Certain prior period amounts have been reclassified to conform to the current year presentation.

A non-controlling interest in a subsidiary reflects an ownership interest in a majority-owned subsidiary that is not attributable to the Company. For the periods presented, the Company's financial statements include a redeemable non-controlling interest, which has been reported in temporary equity on the Company's condensed consolidated balance sheets. The net loss attributable to this redeemable non-controlling interest is presented as an adjustment to the Company's consolidated net loss to arrive at net loss attributable to 3D Systems Corporation in the consolidated statements of operations and consolidated statements of comprehensive loss. Furthermore, adjustments to record this redeemable non-controlling interest at its redemption value are recorded to additional paid-in capital, and the excess redemption value is recognized as a reduction to net income, or increase to net loss, attributable to 3D Systems' shareholders for purposes of reporting earnings or loss per share. See Note 10 for additional details regarding the circumstances under which this non-controlling interest will become redeemable, as well as a summary of the activity related to the redeemable non-controlling interest balances reported during the periods presented.

The unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP") and the rules and regulations of the Securities and Exchange Commission ("SEC") applicable to interim reports. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements and should be read in conjunction with the audited financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023 ("2023 Form 10-K"). The Company believes that the disclosures included in this Form 10-Q are adequate to make the information presented not misleading. In the opinion of management, the unaudited condensed consolidated financial statements contain all adjustments, consisting of adjustments of a normal recurring nature, necessary to present fairly the financial position, results of operations, and cash flows for the periods presented. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements. Actual results may differ from those estimates and

assumptions.

Our annual reporting period is the calendar year. The results of operations for the three and six months ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. All dollar amounts and other amounts presented in the accompanying footnotes are presented in thousands, except for per share information.

Summary of Significant Accounting Policies

The significant accounting policies described in the 2023 Form 10-K remain unchanged.

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Acquisitions

6 Months Ended
Jun. 30, 2024

Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]

Acquisitions

(2) Acquisitions

Wematter

On July 1, 2023, the Company completed the acquisition of Wematter AB ("Wematter"), a Swedish 3D printer manufacturer that will broaden 3D Systems' Selective Laser Sintering (SLS) portfolio. The acquisition resulted in the Company acquiring 100% of the outstanding voting interest of Wematter. Consideration for this acquisition consisted of approximately $10,224 in cash, subject to customary post-closing adjustments. The Company also may be required to pay an additional €2,000 in cash, contingent upon the achievement of certain post-closing performance conditions and the continued employment of certain key Wematter employees for two years after the closing date of the acquisition. This €2,000 is required to be recognized as compensation expense over the key employees required service period if deemed probable of being earned. As of June 30, 2024, management does not believe that achievement of the post-closing performance conditions is probable.
In a separate transaction, the Company previously had extended a loan to Wematter during the three months ended June 30, 2023. We determined that this loan, representing a preexisting contractual relationship, was effectively settled upon the close of the acquisition of Wematter. No gain or loss was recognized in connection with the effective settlement, as the carrying value of the loan was not materially different from the pricing of similar current market transactions. The effective settlement of this loan receivable resulted in an increase of $942 to the consideration transferred in connection with this transaction (i.e., above the cash consideration paid) and a corresponding increase to goodwill.

We accounted for the acquisition of Wematter using the acquisition method of accounting, as prescribed by ASC 805, "*Business Combinations*" ("ASC 805"). In accordance with valuation methodologies described in ASC 820, "*Fair Value Measurement*" ("ASC 820"), the acquired assets and assumed liabilities were recorded at their estimated fair values as of the date of the Wematter acquisition.

Shown below is the final purchase price allocation, which summarizes the fair values of the assets acquired and liabilities assumed at the date of acquisition:

(in thousands)		
Current assets, including cash acquired of $148		$ 835
Intangible assets:		
Trade names	$ 1,487	
Product technology	2,580	
Customer relationships	348	
Total intangible assets		4,415
Goodwill		6,528
Other assets		475
Liabilities:		
Accounts payable and accrued liabilities	$ 794	
Long-term liabilities	293	
Total liabilities		1,087
Net assets acquired		$ 11,166

The goodwill recognized is attributable to synergies that are expected to enhance and expand the Company's overall product portfolio and opportunities in new and existing markets, future products that have yet to be determined and Wematter's assembled workforce. This goodwill will not be deductible for tax purposes.

The following table presents the finite-lived intangible assets acquired and their respective estimated useful lives:

	Useful Life
Trade names	5
Product technology	15
Customer relationships	10

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Revenue

6 Months Ended
Jun. 30, 2024

Revenue from Contract with Customer [Abstract]

Revenue

(3) Revenue

Revenue is recognized when control of the promised products or services is transferred to customers. A majority of our revenue is recognized at the point in time when products are shipped or delivered and the point in time when services are delivered to customers. However, when we have entered into collaboration agreements with customers, we have typically been required to recognize revenue over time.

Performance Obligations

At June 30, 2024, we had $122,853 of unrecognized revenue comprised of deferred revenue, cancellable and non-cancellable customer order backlog, and customer deposits. This $122,853 excludes variable consideration totaling $46,000, which will not be included in contract transaction price for purposes of revenue recognition until management is able to conclude that it is probable that the inclusion of such amounts will not result in a subsequent significant reversal of the cumulative amount of revenue recognized. We expect to recognize approximately 94.9% of the $43,236 of the deferred revenue and customer deposits as revenue within the next twelve months, and the remaining balance thereafter.

Collaboration and Licensing Agreements

We enter into collaboration and licensing agreements with third parties. The nature of the activities to be performed and the consideration exchanged under these agreements varies on a contract-by-contract basis. We evaluate these agreements to determine whether they meet the definition of a customer relationship for which revenue should be recorded. These contracts may contain multiple performance obligations and may contain fees for licensing, research and development services, contingent milestone payments upon the achievement of contractual developmental criteria and/or royalty fees based on the licensees' product revenue. We determine the revenue to be recognized for these agreements based on an evaluation of the distinct performance obligations; the identification and evaluation of material rights; the estimation of the amount of variable consideration to be included in transaction price, as well as the timing for inclusion of such variable consideration; and the amount of transaction price assigned to and the pattern of transfer of control for each distinct performance obligation. This typically results in the recognition of revenue over time using a cost-to-cost percentage of completion model to measure the progress of the transfer of control. During the three and six months ended June 30, 2024, the Company recognized $1,825 and $3,846, respectively, of revenue related to collaboration arrangements with customers. During the three and six months ended June 30, 2023, the Company recognized $3,463 and $8,203, respectively, of revenue related to collaboration arrangements with customers.

Contract Balances

Accounts receivable, contract asset and contract liability balances as of June 30, 2024 and December 31, 2023, were as follows:

(in thousands)	**June 30, 2024**	**December 31, 2023**
Accounts receivable, net of reserves	$ 97,447	$ 101,497
Contract assets[1]	14,837	12,147
Contract liabilities[2]	43,236	40,075

[1] Includes amounts reported in Prepaid expenses and other current assets and Other assets on the balance sheet, inclusive of $6,587 and $5,422 as of June 30, 2024 and December 31, 2023, respectively, that is related to a long-term contract and is billable upon attainment of milestones.

[2] Includes both current and long-term portions of deferred revenue. The long-term portion of deferred revenue is reported in other liabilities on our condensed consolidated balance sheets.

During the six months ended June 30, 2024, we recognized revenue of $22,451 related to our contract liabilities at December 31, 2023. During the three months ended June 30, 2024, we recognized revenue of $6,637 related to our contract liabilities at December 31, 2023.

Revenue Concentrations

For the three and six months ended June 30, 2024, one customer accounted for approximately 16.0% and 16.1% of our consolidated revenue, respectively. For the three and six months ended June 30, 2023, one customer accounted for approximately 18.9% and 16.3% of our consolidated revenue, respectively. We expect to maintain our relationship with this customer.
Revenue by geographic region for the three and six months ended June 30, 2024 and June 30, 2023, which is determined based upon the geographic region in which a sale originates, was as follows:

	Three Months Ended	
(in thousands)	**June 30, 2024**	**June 30, 2023**
Americas	$ 66,179	$ 76,594
EMEA	37,537	41,199
APAC	9,536	10,401
Total	$ 113,252	$ 128,194
United States (included in Americas above)	$ 65,432	$ 75,093
Germany (included in EMEA above)	$ 17,303	$ 19,484

	Six Months Ended	
(in thousands)	**June 30, 2024**	**June 30, 2023**
Americas	$ 126,784	$ 145,243
EMEA	71,437	84,009
APAC	17,936	20,178
Total	$ 216,157	$ 249,430
United States (included in Americas above)	$ 125,324	$ 142,878
Germany (included in EMEA above)	$ 31,545	$ 42,946

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Inventories

6 Months Ended
Jun. 30, 2024

Inventory Disclosure [Abstract]

Inventories

(4) Inventories

Components of inventories at June 30, 2024 and December 31, 2023 are summarized as follows:

(in thousands)	June 30, 2024	December 31, 2023
Raw materials	$ 50,476	$ 59,658
Work in process	2,615	4,708
Finished goods and parts	88,652	87,822
Total inventories	$ 141,743	$ 152,188

The inventory reserve was $19,036 and $16,156 as of June 30, 2024 and December 31, 2023, respectively.

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Goodwill and Intangible Assets

6 Months Ended
Jun. 30, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Goodwill and Intangible Assets

(5) Goodwill and Intangible Assets

Goodwill:

All goodwill reported at June 30, 2024 and December 31, 2023 is allocated to our Healthcare Solutions reportable segment. The change in the goodwill balance between December 31, 2023 and June 30, 2024 reflects the impact of changes in foreign exchange rates on the portion of our goodwill balance that is recorded in currencies other that the U.S. dollar in the financial statements of foreign subsidiaries.

Intangible Assets:

At June 30, 2024 and December 31, 2023, the Company's intangible assets, all of which have finite lives, were as follows:

	June 30, 2024			December 31, 2023		
(in thousands)	Gross	Accumulated Amortization	Net	Gross	Accumulated Amortization	Net
Intangible assets with finite lives:						
Customer relationships	$ 51,837	$ (50,419)	$ 1,418	$ 54,565	$ (52,796)	$ 1,769
Acquired technology	46,558	(14,993)	31,565	47,515	(13,268)	34,247
Trade names	26,275	(14,605)	11,670	26,938	(14,059)	12,879
Patent costs	19,847	(11,458)	8,389	19,579	(11,350)	8,229
Acquired patents	16,444	(14,862)	1,582	16,503	(14,822)	1,681
Other	9,698	(6,046)	3,652	13,711	(9,792)	3,919
Total intangible assets	$ 170,659	$ (112,383)	$ 58,276	$ 178,811	$ (116,087)	$ 62,724

Amortization expense related to intangible assets was $2,143 and $4,139 for the three and six months ended June 30, 2024, respectively, compared to $3,258 and $6,497 for the three and six months ended June 30, 2023, respectively. Amortization expense for intangible assets is estimated to be $3,983 for the remainder of 2024, $7,957 in 2025, $7,888 in 2026, $6,799 in 2027 and $6,534 in 2028.

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Investments and Note Receivable

6 Months Ended
Jun. 30, 2024

Equity Method Investments and Joint Ventures [Abstract]

Investments and Note Receivable

(6) Investments and Note Receivable

The Company holds various investments in equity and debt instruments that are included in other assets on our condensed consolidated balance sheets. The following table summarizes our investment balances as of June 30, 2024 and December 31, 2023:

(in thousands)	June 30, 2024	December 31, 2023
Equity investments under the equity method of accounting	$ 6,556	$ 5,247
Equity investments without readily determinable fair values	20,847	20,847
Other[1]	200	200
Total equity investments	$ 27,603	$ 26,294
Long-term note receivable[2]	$ 545	$ 535
Total notes receivable	$ 545	$ 535

[1] Reflects warrant investment carried at fair value. The fair value of these warrants is measured using Level 3 fair value measurement inputs. Refer to Note 17 for a description of these inputs.
[2] Includes interest amounts that have been accrued on, recorded to and reported as part of the notes receivable balances.

Equity Investments under the Equity Method of Accounting

National Additive Manufacturing Innovation ("NAMI") Joint Venture

In February 2023, we became a shareholder in a joint venture formed with the Saudi Arabian Industrial Investments Company ("Dussur") for purposes of expanding the use of additive manufacturing within the Kingdom of Saudi Arabia and surrounding geographies, including the Middle East and North Africa. During April 2023, we deposited our initial investment commitment of approximately $6,500 into a bank account of the joint venture for use in its operations. In May 2024, we made an incremental investment of $2,450. Additional future investments in the joint venture are contingent upon agreement by the parties to the joint venture to invest additional capital. As of both June 30, 2024 and December 31, 2023, the Company owned 49% of the joint venture's common stock. The impact of this investment on the Company's future financial condition and cash flows is expected to be limited to the cash outflow(s) related to any future contingent investments, if required.

The Company accounts for the joint venture under the equity method of accounting, requiring the Company to recognize its proportionate share of the joint venture's reported net income or loss, which the Company recognizes on a one quarter lag. For the three and six months ended June 30, 2024 and June 30, 2023, the Company has reported a loss on equity method investment in its condensed consolidated statements of operations.

The Company's reported revenue and cost of sales for the three months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $2,897 and $2,231, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $3,160 and $2,317, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the three months ended June 30, 2023 includes immaterial related party revenue and associated related party cost of sales attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2023 includes related party revenue and associated related party cost of sales of $350 and $191, respectively, attributable to sales to NAMI. As of June 30, 2024 and December 31, 2023, the outstanding related party receivable balances attributable to our sales to NAMI were $2,812 and $1,092, respectively.

Equity Investments without Readily Determinable Fair Values

Enhatch

Included within the amounts reported for equity investments without readily determinable fair values as of June 30, 2024 and December 31, 2023 is the Company's investment in Enhatch Inc. ("Enhatch"), the developer of the Intelligent Surgery Ecosystem. In March 2022, the Company made a $10,000 investment in Enhatch and received convertible preferred shares, warrants to purchase additional shares of Enhatch, and the right to purchase in the future (the "call option") the remaining shares of Enhatch that 3D Systems does not own if certain revenue targets are achieved. The Company's investment in Enhatch's convertible preferred shares and the call option, which have been accounted for together as a single unit of account and represent an equity investment without a readily determinable fair value, was recorded at $9,670 as of the original investment date, with the remaining value assigned to the Enhatch warrants.

As of June 30, 2024 and December 31, 2023, the reported carrying value of the Company's convertible preferred stock investment in Enhatch (i.e., inclusive of the call option) is $6,900, which is recorded in other assets on condensed our consolidated balance sheets. This adjusted carrying value reflects the impact of a $2,770 impairment charge that was recorded during the year ended December 31, 2022.

During the three and six months ended June 30, 2024, the Company made purchases from Enhatch of $26 and $179, respectively. During the three and six months ended June 30, 2023, the Company made purchases from Enhatch of $18 and $32, respectively. As of June 30, 2024 and December 31, 2023, the outstanding related party payable balances attributable to our purchases from Enhatch were $14 and $26, respectively.

Variable Interest Entities (VIEs)

We have concluded that two of our investments are VIEs. These investments are not consolidated because we concluded that the Company is not the primary beneficiary. As of June 30, 2024, our maximum exposure to losses associated with the VIEs is limited to the $14,556 carrying value of our investments in the VIEs, which is included in other assets on our condensed consolidated balance sheet. We have no other investments in unconsolidated entities that have been determined to be VIEs.

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Leases

6 Months Ended
Jun. 30, 2024

Leases [Abstract]

Leases

(7) Leases

We have various lease agreements for our facilities, equipment and vehicles with remaining lease terms ranging from one to fourteen years. As of June 30, 2024 and December 31, 2023, short-term finance lease obligations of $1,388 and $1,770 are included in accrued and other liabilities on the condensed consolidated balance sheet and long-term finance lease obligations of $11,074 and $11,458 are included in other long-term liabilities on the condensed consolidated balance sheet.

Leases

(7) Leases

We have various lease agreements for our facilities, equipment and vehicles with remaining lease terms ranging from one to fourteen years. As of June 30, 2024 and December 31, 2023, short-term finance lease obligations of $1,388 and $1,770 are included in accrued and other liabilities on the condensed consolidated balance sheet and long-term finance lease obligations of $11,074 and $11,458 are included in other long-term liabilities on the condensed consolidated balance sheet.

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Accrued and Other Liabilities

6 Months Ended
Jun. 30, 2024

Payables and Accruals [Abstract]

Accrued and Other Liabilities

(8) Accrued and Other Liabilities

Accrued and other liabilities at June 30, 2024 and December 31, 2023 are summarized as follows:

(in thousands)	June 30, 2024	December 31, 2023
Compensation and benefits	$ 16,246	$ 13,196
Accrued taxes	6,915	10,373
Accrued product warranty liability	1,194	2,106
Other accrued liabilities	20,927	23,785
Total	$ 45,282	$ 49,460

Changes in our accrued product warranty liability balance during the six months ended June 30, 2024 and June 30, 2023 are summarized below:

(in thousands)	June 30, 2024	June 30, 2023
Balance at beginning of period	$ 2,106	$ 3,677
Settlements made	(1,770)	(1,920)
Accruals for warranties issued	858	1,164
Balance at the end of period	$ 1,194	$ 2,921

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Borrowings

6 Months Ended
Jun. 30, 2024

Debt Disclosure [Abstract]

Borrowings

(9) Borrowings

Convertible Notes

The Company previously issued 0% Convertible Senior Notes due November 15, 2026 (the "Notes"), pursuant to an Indenture dated November 16, 2021 (the "Indenture") between the Company and The Bank of New York Mellon, N.A., as trustee (the "Trustee"). The related principal, unamortized deferred issuance costs and carrying values as of June 30, 2024 and December 31, 2023 were as follows:

(in thousands)	June 30, 2024	December 31, 2023
Principal[1]	$ 214,378	$ 324,870
Unamortized deferred issuance costs	(3,010)	(5,514)
Carrying value	$ 211,368	$ 319,356

[1] The Notes have an initial conversion rate of 27.8364 shares of common stock per $1 principal amount of Notes (which is subject to adjustment in certain circumstances). This is equivalent to an initial conversion price of approximately $35.92 per share. The conversion rate is subject to customary adjustments under certain circumstances in accordance with the terms of the Indenture.

The Notes are the Company's senior unsecured obligations and rank senior in right of payment to any of the Company's existing and future indebtedness that is expressly subordinated in right of payment to the Notes; rank equal in right of payment to any of the Company's future unsecured indebtedness that is not so subordinated; are effectively subordinated in right of payment to any of the Company's existing and future secured indebtedness to the extent of the value of the collateral securing such indebtedness; and are structurally subordinated to all existing and future indebtedness and other liabilities (including trade payables) of current or future subsidiaries of the Company. The annual effective interest rate of the Notes is 0.594% when including purchasers' discounts and commissions and offering expenses incurred by the Company. The Notes do not bear regular interest, and the principal amount of the Notes will not accrete. The Notes will mature on November 15, 2026, unless earlier redeemed, repurchased or converted in accordance with their terms.

The Notes are convertible at the option of the holders at any time prior to the close of business on the business day immediately preceding August 15, 2026, only under the following circumstances: (1) during any future calendar quarter (and only during such quarter), if the last reported sale price of the Company's common stock, par value $0.001 per share (the "Common Stock"), is equal to or greater than 130% of the conversion price for each of at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter on each applicable trading day; (2) during the five business day period after any five consecutive trading day period (the "measurement period") in which the trading price (as defined in the Indenture) per $1 principal amount of Notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price per share of the Common Stock and the conversion rate on each such trading day; (3) if the Company calls such Notes for redemption at any time prior to the close of business on the second scheduled trading day immediately preceding the redemption date; and (4) upon the occurrence of specified corporate events, including a Fundamental Change (as defined in the Indenture), or distributions of the Common Stock. On or after August 15, 2026, until the close of business on the second scheduled trading day immediately preceding the maturity date, holders may convert all or any portion of their Notes at any time, at the option of the holder, regardless of the foregoing circumstances. Upon conversion, the Company will pay cash up to the aggregate principal amount of the Notes to be converted and pay or deliver, as the case may be, cash, shares of Common Stock, or a combination of cash and shares of Common Stock, at the Company's election, in respect of the remainder, if any, of the Company's conversion obligation in excess of the aggregate principal amount of the Notes being converted. Holders of the Notes have the right to require the Company to repurchase for cash all or a portion of their Notes at 100% of their principal amount, plus any accrued and unpaid special interest, upon the occurrence of a Fundamental Change. The Company is also required to increase the conversion rate for holders who convert their Notes in connection with a Fundamental Change or convert their Notes that are called for redemption, as the case may be, prior to the maturity date. As of June 30, 2024, none of the circumstances that would permit the holders of the Notes to exercise their conversion option had occurred.

The Company may not redeem the Notes prior to November 20, 2024. The Notes are redeemable, in whole or in part, for cash at the Company's option at any time, and from time to time, on or after November 20, 2024 and before the 41st scheduled trading day immediately preceding the maturity date, but only if the last reported sale price per share of the Common Stock has been at least 130% of the conversion price then in effect for a specified period of time.

The Company incurred $314 and $748 of debt issuance cost accretion for the three and six months ended June 30, 2024, respectively, as compared to $670 and $1,339 of debt issuance cost accretion for the three and six months ended June 30, 2023, respectively. In addition, in connection with the repurchase of a portion of the Notes in March 2024 (as further discussed below), the Company wrote off $1,756 of debt issuance costs during the six months ended June 30, 2024. Debt issuance cost accretion of $631, $1,260, and $1,119 is expected to be incurred for the remaining six months of 2024 and the years ended December 31, 2025, and 2026, respectively.

Convertible Notes Non-Compliance

The Indenture contains covenants, events of default and other provisions that are customary for offerings of convertible notes. During the three months ended June 30, 2024, the Company became non-compliant with certain terms of the Indenture. The Company's failure to file its 2023 Form 10-K and provide it to the Trustee by April 1, 2024 represented a default under the terms of the Indenture. In addition, the Company's failure to file its Form 10-Q for the three months ended March 31, 2024 and provide it to the Trustee by May 30, 2024 represented an incremental default under the terms of the Indenture. These defaults did not become an event of default under the terms of the Indenture given the Company filed its 2023 Form 10-K on August 13, 2024, curing the first default referenced above, and the Form 10-Q for the three months ended March 31, 2024 on August 20, 2024, curing the incremental default referenced above, prior to the end of the cure period provided for by the Indenture, which cure period was not initiated by the Trustee or holders of the Notes. The Company has not incurred any special interest as a result of these defaults, nor have the Notes become subject to any other actions by the Trustee or the holders.

Debt Extinguishment

In March 2024, the Company repurchased $110,492 of the Notes for $87,218, including transaction expenses. The repurchased Notes were retired upon receipt, and the retirement of the debt obligations was accounted for as an extinguishment of debt. The repurchase of the Notes at a discount resulted in the recognition of a gain of $21,518, after transaction expenses and the write-off of related debt issuance costs, which is reported in other income, net on the Company's condensed consolidated statement of operations for the six months ended June 30, 2024.

At June 30, 2024, the estimated fair value of the Notes is $171,520. This is based on the quoted market price where the volume of activity is limited and not active and, thus, this is deemed a Level 2 fair value measurement.

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Redeemable Non-Controlling Interest

6 Months Ended
Jun. 30, 2024

Noncontrolling Interest [Abstract]

Redeemable Non-Controlling Interest

(10) Redeemable Non-Controlling Interest

For each of the periods presented in our condensed consolidated financial statements, the Company holds a 93.75% controlling interest in a consolidated foreign subsidiary that was acquired on April 1, 2022. The remaining 6.25% non-controlling interest in this foreign subsidiary is subject to redemption at a future date upon either (1) the exercise of a put option by the holder of the underlying shares or a call option by the Company, each of which is subject to the subsidiary achieving certain specified conditions, or (2) the passage of time subsequent to the date on which this subsidiary was acquired.

The put and call rights related to 50% of the common shares underlying this redeemable non-controlling interest ("RNCI") can be exercised upon the achievement of an initial revenue and gross profit target, while the put and call rights related to the remaining 50% of the common shares underlying the RNCI can be exercised upon the achievement of a second revenue and gross profit target. The exercise prices at which the shares underlying the RNCI can be put by their holders or called by the Company are determined based upon whether the consolidated foreign subsidiary achieves either or both of the predetermined revenue and gross profit targets. If either (1) one or both sets of revenue and gross margin targets are not achieved by the consolidated foreign subsidiary within specified time periods or (2) neither the put or call options are exercised within specified time periods despite the achievement of one or both sets of targets, the exercise price for the put and call options will be set at a floor strike price for periods thereafter. Up to 50% of the exercise price can be paid in shares of Common Stock at the election of 3D Systems.

Changes to the Company's RNCI balance during the six months ended June 30, 2024 and 2023 are summarized below:

	Six Months Ended June 30,	
(in thousands)	2024	2023
Balance at beginning of period	$ 2,006	$ 1,760
Net loss	(143)	(92)
Redemption value in excess of carrying value	173	260
Translation adjustments	(21)	23
Balance at end of period	$ 2,015	$ 1,951

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Stock-Based Compensation

6 Months Ended
Jun. 30, 2024

Share-Based Payment Arrangement [Abstract]

Stock-Based Compensation

(11) Stock-Based Compensation

2015 Incentive Plan

The Company is authorized to grant shares of restricted stock, restricted stock units ("RSUs"), stock appreciation rights, cash incentive awards and options to purchase shares of Common Stock to employees and non-employee directors pursuant to its 2015 Incentive Plan (the "2015 Plan"). The 2015 Plan also designates measures that may be used for performance awards and market-based awards. The vesting period for awards granted under the 2015 Plan is generally determined by the Board of Directors at the date of the grant. Generally, the awards vest one third each year, over 3 years.

Systemic Bio Phantom Unit Plan

During the year ended December 31, 2023, we began granting phantom unit awards ("Phantom Units") under a new compensation plan designed for employees and non-employees performing services for Systemic Bio, a wholly-owned subsidiary of 3D Systems Corporation. All awards granted under the plan are subsidiary-level awards. During the three and six months ended June 30, 2024, we granted 6 and 94 Phantom Units under the plan and recognized $2,030 and $2,097 of compensation expense related to all granted awards, respectively. No compensation expense was recognized for the three and six months ended June 30, 2023, as no Phantom Units had been issued as of such date.

The Phantom Units granted under the plan include both a time-based vesting condition (generally 4 years, subject to acceleration in connection with specified liquidity events) and a market condition that is met if (1) the value of Systemic Bio exceeds a specified multiple of the capital invested in this subsidiary (the "hurdle") and (2) the business achieves a specified minimum internal rate of return. The market

conditions will be assessed upon (A) a trigger event (e.g., change in control, IPO or plan expiration of December 31, 2030) and/or (B) an interim liquidity event (defined as January 1, 2028) that occurs prior to a trigger event. All awards under the plan will be liability-classified due to our intention to settle these awards with cash; although, we have discretion to partially or fully settle these awards in equity upon vesting. Liability classification of the awards requires them to be remeasured at their fair value at the end of each reporting period. Due to the presence of the market-condition and the fact that Systemic Bio does not have a readily available share price, the awards are valued using a Monte Carlo simulation with the assistance of a third-party valuation firm. This valuation requires significant judgment regarding the input of various assumptions and estimates, which include the projected cash flows of (including projected capital invested in) Systemic Bio, the probability and/or timing of a trigger event or a liquidity event, the expected stock price volatility for selected public companies with comparable characteristics to Systemic Bio, the discount for the lack of marketability of Systemic Bio as a privately-held company, and the risk-free interest rate.

The third-party valuation as of June 30, 2024 resulted in an increase in the estimated fair value of the Phantom Units and a corresponding $1,913 increase in the expense recognized during the three and six months ended June 30, 2024, primarily as a result of a change in management's judgment regarding the estimated probability and timing for the occurrence of a trigger event. This change in estimate reduced basic and diluted earnings per share by $0.01 for the three and six months ended June 30, 2024.

Other Compensation Arrangements that Include Share Settlement

Regenerative Medicine Earnout Payments and Performance-Based Stock Units

Volumetric Acquisition Earnout Payments

On December 1, 2021, the Company acquired Volumetric Biotechnologies, Inc. (“Volumetric”). Pursuant to the terms of the related acquisition agreement, the Company was potentially subject to aggregate earnout payments of up to $355,000 (i.e., incremental to the previously paid acquisition purchase price). These earnout payments would be triggered by (1) the achievement of seven discrete non-financial milestones, each of which required attainment prior to either December 31, 2030 or December 31, 2035, and (2) the continued employment of certain key individuals from Volumetric. Each potential milestone-based payment was deemed to be compensation expense that the Company would recognize ratably from the point in time when a milestone was deemed probable of achievement through the estimated time of achievement. Each milestone payment, if earned, would be expected to be settled approximately half in cash and half in shares of Common Stock and, accordingly, expense recognized for the portion of this earnout that is expected to be settled with shares of Common Stock would be reflected in the disclosure of stock-based compensation included herein, if and when accrued.

In February 2024, the Company informed the former owners of Volumetric, to whom the acquisition-related earnout payments of up to $355,000 could have potentially become payable, that four of the seven milestone-related earnout payments, each of which was related to kidney and liver research, were terminated. These four milestone-based earnout payments were terminated in accordance with the terms of the Volumetric acquisition agreement, based upon a determination that achievement was no longer financially viable due to the loss of the funding required from the Company's key strategic partner for the related research and development efforts. Upon termination of the four milestone-based earnout payments, the Company's maximum liability for earnout payments attributable to the acquisition of Volumetric was reduced to $175,000, which would be payable if (1) each of the three remaining non-financial, science-based milestones is achieved within the timeframes set forth in the Volumetric acquisition agreement and (2) the certain key individuals from Volumetric continue to be employed.
On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Refer to Note 16 for further details regarding the resignation of the certain key individuals from Volumetric and all related actions occurring thereafter.

Regenerative Medicine Performance-Based Stock Units

The Company has granted certain performance-based stock units (“PSUs” or the "RegMed Awards") with vesting terms that are based upon four individually-measured, science-based (i.e., non-financial) milestones to other employees who work on advancements in regenerative medicine related to lungs and tissue organs. The compensation expense associated with each individual milestone attributable to a RegMed Award is required to be recognized over the period commencing on the date that the respective milestone is deemed probable of being met through the anticipated date of achievement.

Earnout and PSU Compensation Expense

During the three and six months ended June 30, 2023, the Company recognized compensation expense based upon the assumed achievement of (1) one of the Volumetric milestones for which the potential earnout payment due to the sellers would be $65,000 and (2) one RegMed Award milestone for which the aggregate grant date fair value of the outstanding and unvested awards was $4,773. During the three and six months ended June 30, 2023 the Company recognized compensation expense of $(632) and $1,634, respectively, related to the aforementioned Volumetric milestones and RegMed milestone awards. During the three months ended September 30, 2023, the Company decided to reduce its budgeted funding for the research and development related to the respective Volumetric earnout and RegMed Award milestones, which resulted in (A) the Company concluding that it is no longer probable that these milestones would be achieved by the end of the term of the Volumetric earnout arrangement or prior to the expiration of the RegMed Awards and (B) the reversal of all previously recognized Volumetric earnout and RegMed Award compensation expense. As a result of the budget reduction and the cancellation of all seven milestones described above, the Company recognized $0 of compensation expense related to the Volumetric earnout and RegMed Awards during the three and six months ended June 30, 2024, and no liability related to the Volumetric earnout was recognized on our balance sheets as of June 30, 2024 and December 31, 2023.

dp polar Earnout

In connection with the Company's October 4, 2022 acquisition of dp polar GmbH ("dp polar"), the Company expects to pay $2,229 of compensation expense incremental to the acquisition purchase price. Until April 2024, this payment was contingent upon the continued employment of a key individual from dp polar through December 31, 2024. During April 2024, due to a change in the key individual's employment status, all service conditions of the dp polar earnout were met based on the terms of the initial arrangement. This amount is expected to be settled via the issuance of 250 shares of Common Stock on or around December 31, 2024. All remaining expense related to these shares was recognized during the three months ended June 30, 2024. The Company includes the compensation expense related to this arrangement within stock-based compensation reported herein.

Stock-Based Compensation Activity and Expense

During the three and six months ended June 30, 2024, the Company granted 60 shares of restricted stock which had a weighted-average grant date fair value of $5.75 per share, respectively. The restricted stock awards generally vest ratably over three years.

The following table shows the stock-based compensation expense recognized during the three and six months ended June 30, 2024 and June 30, 2023:

	Three Months Ended June 30,		Six Months Ended June 30,	
(in thousands)	**2024**	**2023**	**2024**	**2023**
Stock-based compensation expense	$ 5,421	$ 7,990	$ 13,673	$ 18,282

Included in stock-based compensation expense recognized for the three and six months ended June 30, 2024 are $680 and $2,274, respectively, and $397 and $1,055 for the three and six months ended June 30, 2023, respectively, of accrued expense pertaining to annual incentive compensation for which settlement would ultimately occur using shares of Common Stock. Also included in stock-based compensation expense for the three and six months ended June 30, 2024 are $0 and $0, respectively, and $(632) and $1,634 for the three and six months ended June 30, 2023, respectively, which relate to the RegMed Awards and the portion of the recognized Volumetric earnout expense expected to be settled using the shares of Common Stock. Finally, stock-based compensation expense for the three and six months ended June 30, 2024 includes $733 and $975, respectively, and $277 and $552 for the three and six months ended June 30, 2023, respectively, of expense related to the dp polar earnout arrangement that is required to be settled in shares of Common Stock.

As of June 30, 2024, there was $26,015 of unrecognized stock-based compensation expense related to all unvested share-based payment awards that the Company expects to recognize over a weighted-average period of 1.7 years.

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Income Taxes

6 Months Ended
Jun. 30, 2024

Income Tax Disclosure [Abstract]

Income Taxes

(12) Income Taxes

We maintain the exception under ASC 740-270-30-36(b), “Accounting for Income Taxes,” for jurisdictions that do not have reliable estimates of ordinary income. Accordingly, we have used a year-to-date methodology in determining the effective tax rate for the three and six months ended June 30, 2024.
For the three and six months ended June 30, 2024, the Company’s effective tax rate was (1.8)% and (4.6)%, respectively. For the three and six months ended June 30, 2023, the Company’s effective tax rate was (0.8)% and (0.4)%, respectively. The differences between the U.S. statutory tax rate and the effective tax rates for the three and six months ended June 30, 2024 and 2023 are primarily driven by the recognition of a full deferred tax asset valuation allowance in various jurisdictions.

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Net Loss Per Share

6 Months Ended
Jun. 30, 2024

Earnings Per Share [Abstract]

Net Loss Per Share

(13) Net Loss Per Share

Basic net loss per share is calculated by dividing net loss attributable to 3D Systems’ Common Stock stockholders by the weighted average number of shares of Common Stock outstanding during the applicable period. Diluted loss per share incorporates the additional shares issuable upon the assumed exercise of stock options, the vesting of restricted stock and RSUs, and the assumed conversion of debt, except in such case when (1) the inclusion of such shares or potential shares would be anti-dilutive or (2) when the vesting of restricted stock or RSUs is contingent upon one or more performance conditions that have not been met as of the balance sheet date.

	Three Months Ended		Six Months Ended	
(in thousands, except per share amounts)	**June 30, 2024**	**June 30, 2023**	**June 30, 2024**	**June 30, 2023**
Numerator for basic and diluted net loss per share:				
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)
Redeemable non-controlling interest redemption value in excess of carrying value	(98)	(172)	(173)	(260)
Net loss attributable to common stock shareholders	$ (27,356)	$ (29,067)	$ (43,432)	$ (58,576)
Denominator for net loss per share:				
Weighted average shares outstanding – basic and diluted[1], [2]	131,802	129,907	131,311	129,535
Net loss per share – basic and diluted	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)

[1] Equity awards are deemed anti-dilutive for the three and six months ended June 30, 2024 and 2023 because we reported a net loss for these periods.
[2] Includes 250 shares of Common Stock related to the dp polar earnout arrangement that are expected to be issued given the passage of time on or about December 31, 2024.

The following table presents the potentially dilutive shares that have been excluded from the computation of diluted net loss per share attributable to Common Stock stockholders because their effect is considered anti-dilutive for the three and six months ended June 30, 2024 and 2023, respectively.

	Three and Six Months Ended	
(in thousands)	**June 30, 2024**	**June 30, 2023**
Restricted stock and restricted stock units	3,393	6,680
Stock options	160	420
Total	3,553	7,100

For the three and six months ended June 30, 2024, the table above excludes an estimate of 531 shares for the payment of accrued incentive compensation that is expected to be settled in shares (Refer to Note 11). This share estimate is based on the liabilities recorded at June 30, 2024 for the fiscal year 2024 incentive compensation arrangement, divided by the Company's year-to-date average share price of $4.28 per share. As of June 30, 2024, there are no contingently issuable shares related to the Volumetric earnout arrangement discussed in Note 11.

For the three and six months ended June 30, 2023, the table above excludes the following: (1) an estimate of 1,047 shares contingently issuable upon the achievement of certain milestones in the Volumetric earnout arrangement discussed in Note 11 and (2) an estimate of 109 shares for the payment of accrued incentive compensation that is expected to be settled in shares. These share estimates are based on the aggregate liabilities recorded at June 30, 2023 for the Volumetric earnout arrangement and the fiscal year 2023 incentive compensation arrangement, divided by the Company's year-to-date average share

price of $9.67 per share. The table above also excludes an estimate of 92 shares that are contingently issuable under the dp polar earnout arrangement discussed in Note 11.

The Company previously issued 0% Convertible Senior Notes due November 15, 2026, as discussed in Note 9. The Notes' impact to diluted weighted average shares outstanding is required to be calculated using the if-converted method as prescribed in ASC 260. The Notes will increase the diluted weighted average shares outstanding when the average share price over a quarterly or annual reporting period is greater than $35.92 per share, the conversion price of the Notes. For the three and six months ended June 30, 2024 and 2023, the Notes were anti-dilutive on a stand-alone basis because the average share price during these periods did not exceed the conversion price, and because we reported a net loss for each of the respective periods.

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Accumulated Other Comprehensive Loss

6 Months Ended
Jun. 30, 2024

Stockholders' Equity Note [Abstract]

Accumulated Other Comprehensive Loss

(14) Accumulated Other Comprehensive Loss

The changes in the balances of accumulated other comprehensive loss by component are as follows:

	Three Months Ended June 30, 2024		
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Total
Balance at March 31, 2024	$ (51,750)	$ 307	$ (51,443)
Other comprehensive loss	(1,196)	(2)	(1,198)
Balance at June 30, 2024	$ (52,946)	$ 305	$ (52,641)

	Six Months Ended June 30, 2024		
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Total
Balance at December 31, 2023	$ (44,564)	$ 314	$ (44,250)
Other comprehensive loss	(8,382)	(9)	(8,391)
Balance at June 30, 2024	$ (52,946)	$ 305	$ (52,641)

	Three Months Ended June 30, 2023			
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Unrealized loss on short-term investments	Total
Balance at March 31, 2023	$ (50,781)	$ 700	$ (19)	$ (50,100)
Other comprehensive income (loss)	712	—	—	712
Amounts reclassified from accumulated other comprehensive income (loss) [a]	—	(11)	19	8
Balance at June 30, 2023	$ (50,069)	$ 689	$ —	$ (49,380)

	Six Months Ended June 30, 2023			
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Unrealized loss on short-term investments	Total
Balance at December 31, 2022	$ (54,194)	$ 700	$ (328)	$ (53,822)
Other comprehensive income (loss)	4,125	12	108	4,245
Amounts reclassified from accumulated other comprehensive income (loss) [a]	—	(23)	220	197
Balance at June 30, 2023	$ (50,069)	$ 689	$ —	$ (49,380)

[a] Amount reclassified into interest and other income (expense), net on the statement of operations.

The amounts presented in the table above are net of income taxes.

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Segment Information

6 Months Ended
Jun. 30, 2024

Segment Reporting [Abstract]

Segment Information

(15) Segment Information

The Company has two reportable segments: Healthcare Solutions and Industrial Solutions. Our reportable segments are based upon the industry verticals that they serve and reflect how we report our financial results to the chief operating decision maker ("CODM"). The CODM evaluates the performance of our reportable segments based on segment revenue and segment Adjusted EBITDA. The CODM does not review disaggregated asset information on the basis of the Company's segments; therefore, such information is not presented.
The following tables set forth our operating results by segment for the three and six months ended June 30, 2024 and June 30, 2023:

	Revenue		Adjusted EBITDA	
	Three Months Ended June 30,		Three Months Ended June 30,	
(in thousands)	2024	2023	2024	2023
Healthcare Solutions	$ 48,900	$ 60,874	$ 8,772	$ 11,394
Industrial Solutions	64,352	67,320	3,358	2,264
Total Reportable segments	$ 113,252	$ 128,194	$ 12,130	$ 13,658

	Revenue		Adjusted EBITDA	
	Six Months Ended June 30,		Six Months Ended June 30,	
(in thousands)	2024	2023	2024	2023
Healthcare Solutions	$ 94,313	$ 109,599	$ 12,492	$ 16,459
Industrial Solutions	121,844	139,831	5,440	9,166
Total Reportable segments	$ 216,157	$ 249,430	$ 17,932	$ 25,625

The following table provides a reconciliation of our reportable segment Adjusted EBITDA to our reported Net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and June 30, 2023:

	Three Months Ended		Six Months Ended	
(in thousands)	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Total segment adjusted EBITDA	$ 12,130	$ 13,658	$ 17,932	$ 25,625
Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems:				
Corporate expense not allocated to segments	(25,044)	(20,556)	(50,906)	(42,618)
Interest income (expense), net	828	4,404	2,912	8,209
Provision for income taxes	(476)	(222)	(1,847)	(230)
Depreciation expense	(4,910)	(5,294)	(9,870)	(10,606)
Amortization expense	(2,589)	(3,258)	(4,902)	(6,497)
Stock-based compensation expense	(3,389)	(7,990)	(11,574)	(18,282)
Acquisition and divestiture-related expense	(181)	(1,512)	(234)	(4,188)
Legal and other related costs	(2,342)	(2,656)	(6,582)	(2,735)
Restructuring expense	(87)	(4,121)	(138)	(5,824)
Net loss attributable to redeemable non-controlling interest	43	(16)	143	92
Loss on equity method investments, net of tax	(902)	(142)	(1,149)	(142)
Gain on repurchase of debt	—	—	21,518	—
Other non-operating income (expense)	(339)	(1,190)	1,438	(1,120)
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)

The following table summarizes long-lived assets by geographic region as of June 30, 2024 and December 31, 2023:

(in thousands)	June 30, 2024	December 31, 2023
United States	$ 89,921	$ 94,734
Belgium	19,439	21,524
Other foreign entities	16,187	18,783
Total	$ 125,547	$ 135,041

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Commitments and Contingencies

6 Months Ended
Jun. 30, 2024

Commitments and Contingencies Disclosure [Abstract]

Commitments and Contingencies

(16) Commitments and Contingencies

The Company has certain purchase commitments under agreements with remaining terms in excess of a year primarily related to printer assemblies, inventory, capital expenditures, and software licenses. As of June 30, 2024, such purchase commitments totaled $19,720, with approximately $10,850 of the purchase obligations expected to be due within the next twelve months.

Indemnification

In the normal course of business, we periodically enter into agreements to indemnify customers or suppliers against claims of intellectual property infringement made by third parties arising from the use of our products. Historically, costs related to these indemnification provisions have not been significant, and we are unable to estimate the maximum potential impact of these indemnification provisions on our future results of operations.

To the extent permitted under Delaware law, we indemnify our directors and officers for certain events or occurrences while the director or officer is, or was, serving at our request in such capacity, subject to limited exceptions. The maximum potential amount of future payments that we could be required to make under these indemnification obligations is unlimited; however, we have directors and officers insurance coverage that may enable us to recover future amounts paid, subject to a deductible and the policy limits. There is no assurance that the policy limits will be sufficient to cover all damages, if any.
Other Commitments

Government Settlement

Beginning in October 2017, the Company undertook an internal investigation relating to possible violations of U.S. export control laws, including the International Traffic in Arms Regulations administered by the Directorate of Defense Trade Controls of the Department of State ("DDTC") and the Export Administration Regulations administered by the Bureau of Industry and Security of the Department of Commerce

("BIS"). In February 2023, the Company settled these matters with the U.S. Department of Justice ("DOJ"), DDTC and BIS. As a part of these settlement agreements, the Company agreed to pay $15,048 in civil monetary penalties to these agencies, with an additional $10,000 suspended penalty amount to be allocated to remedial compliance measures required by DDTC. The penalty amounts subject to payment were broken down as follows: DDTC, $10,000 (payable in three installments over a three-year period); BIS, $2,778; and DOJ, $2,270. During the six months ended June 30, 2024, we paid the second installment penalty of $3,500 in accordance with the DDTC settlement agreement. The original $10,000 suspended penalty has not been recognized as a liability, as it will be recognized as incurred for remedial compliance measures during the three-year term of the settlement agreement. The application of the Company's spend on remedial compliance measures as a reduction to the original $10,000 suspended penalty must be approved by DDTC, which approval will be sought on an annual basis in accordance with the terms of the settlement agreement. In February 2024, the DDTC formally approved (1) the application of $2,294 of remedial compliance spend occurring during the year ended December 31, 2023 against the suspended penalty and (2) a reduction of the suspended penalty to $7,706. Any portion not expended for compliance measures at the end of the three-year term of the settlement agreement will be paid by the Company to DDTC.

We initially accrued liabilities related to the foregoing matters during the year ended December 31, 2022, which included recording the $10,000 DDTC civil monetary penalty at a discount using the risk-free interest rate in effect at the time of recognition, due to the multiple annual periods over which the amount would be paid. We have made payments in accordance with the settlement terms and, as of June 30, 2024, the remaining unsettled liability related to the Government Settlement was $2,926, which is expected to be due by February 2025.

Letter of Credit

On June 2, 2023, we issued $1,161 of guarantees in the form of a standby letter of credit as security for a long-term real estate lease. The letter of credit has a maturity date of June 2025 and includes automatic one-year extensions, which are not to continue beyond July 1, 2033. We have not recorded any liability for this guarantee, as we believe that the likelihood of having to perform under the letter of credit is remote. In connection with this transaction, we pledged an equal amount of cash to the issuing bank of this letter of credit. The cash pledged is recorded as restricted cash and included in other assets on our consolidated balance sheets.

Litigation

Securities Class Action

The Company and certain of its current and former executive officers were named as defendants in a consolidated putative stockholder class action lawsuit in the United States District Court for the Eastern District of New York. The action is styled In re 3D Systems Securities Litigation, No. 1:21-cv-01920-NGG-TAM (E.D.N.Y.) (the "Securities Class Action"). The complainant alleged that defendants violated the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and SEC Rule 10b-5 promulgated thereunder by making false and misleading statements and omissions, and that the current and former executive officers named as defendants were control persons under Section 20(a) of the Exchange Act. The complainant sought monetary damages on behalf of the purported class. On October 28, 2022, the parties notified the District Court that they reached an agreement in principle resolving this action and, on December 19, 2022, Lead Plaintiff filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The District Court held a final fairness hearing on November 21, 2023 and subsequently entered the Order and Final Judgement approving the Securities Class Action settlement and dismissing the Securities Class Action claims with prejudice on January 4, 2024. The time for any party to appeal expired on February 5, 2024, and no appeals were filed. The matter is now concluded.

In connection with the resolution of the Securities Class Action, we reached a settlement of $4,000, of which $749 was paid by the Company during the twelve months ended December 31, 2023 and the remaining $3,251 was paid by insurance during the twelve months ended December 31, 2023.
Derivative Actions

The Company has been named as a nominal defendant and certain of its current and former executive officers and directors have been named as defendants in derivative lawsuits pending in the United States District Court for the Eastern District of New York, the South Carolina Court of Common Pleas for the 16th Circuit, York County, and the Supreme Court of the State of New York, Kings County. The actions are styled Nguyen v. Joshi, et al., No. 21-cv-03389-NGG-TAM (E.D.N.Y.) (the "Nguyen Action"), Lesar v. Graves, et al., No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the "Lesar Action"), Scanlon v. Graves, et al., No. 2021CP4602312 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the "Scanlon Action"), Bohus v. Joshi, et al., No. 22-cv-2203-CBA-RML (E.D.N.Y.) (the "Bohus Action"), and Fernicola v. Clinton, et. al., No. 512613/2022 (N.Y., Kings County Supreme Court) (the "Fernicola Action") (together, the "Derivative Actions"). The Complaints in the Nguyen and Bohus Actions, which were filed on June 15, 2021 and April 18, 2022, respectively, assert breach of fiduciary duty claims against all defendants and claims for contribution under the federal securities laws against certain of the defendants. The Complaints in the Lesar and Scanlon Actions, which were filed on July 26, 2021, assert breach of fiduciary duty and unjust enrichment claims against the defendants. The Complaint in the Fernicola Action was filed on May 2, 2022, and asserts claims for breach of fiduciary duty and waste of corporate assets against the director defendants. On August 27, 2021, the Nguyen Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On October 26, 2021, the Lesar Action and the Scanlon Action were consolidated into a single stockholder derivative action, styled as In Re 3D Systems Corp. Shareholder Derivative Litigation, No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. Of York) (the "South Carolina Derivative Action"). On March 3, 2022, the South Carolina Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On June 16, 2022, the Bohus Action was consolidated with the Nguyen Action (the "E.D.N.Y. Derivative Action"). The E.D.N.Y. Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. The deadline for appealing the dismissal of the Securities Class Action expired on February 5, 2024 and no appeals were filed. Accordingly, the discovery stays in the South Carolina and E.D.N.Y. Derivative Actions lifted on March 6, 2024. On February 13, 2024, the parties to the Derivative Actions reached an agreement in principle resolving the actions. On April 30, 2024, the parties executed a Stipulation of Settlement. The settlement is subject to both preliminary and final approval by the Court of Common Pleas for the 16th Judicial Circuit, State of South Carolina, County of York (the "South Carolina Court"). On May 14, 2024, Lead Plaintiffs' Counsel filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The South Carolina Court granted preliminary approval during a hearing held on July 11, 2024. The final approval hearing is scheduled to occur in the South Carolina Court on October 21, 2024.

The only monetary component of the Stipulation of Settlement is a $1,950 fee and expense award to counsel for plaintiffs in the Derivative Actions, all of which will be paid by insurance following final approval of the settlement by the Court.

SEC Investigation

On April 15, 2022, the Company was informed that the SEC is conducting a formal investigation of the Company related to, among other things, the allegations in the Securities Class Action. The Company has subsequently received subpoenas from the SEC for the production of documents and information related to its investigation as a follow on to a previous voluntary request for documents. The Company is cooperating with the SEC in connection with its formal investigation.

Termination of Volumetric Milestones Related to Potential Earnout Payments

Following the acquisition of Volumetric in 2021, the Company could have been required to pay up to $355,000 of acquisition-related earnout payments to the former owners of Volumetric if the Company were to achieve seven non-financial, science-based milestones prior to either December 31, 2030 or December 31, 2035 (refer to Note 11). Due to the loss of funding from the Company's key strategic partner for kidney and liver research and development efforts, the Company notified the former owners of Volumetric on February 24, 2024 that it was terminating the four milestones that related to those kidney and liver research and development efforts, as achievement was no longer financially viable. As a result of the termination of the four milestones, the Company's maximum liability for acquisition-related earnout payments was reduced to $175,000, which would have been payable if each of the three remaining non-financial, science-based milestones was achieved within the timeframes set forth in the Volumetric acquisition agreement.
On March 29, 2024, the former owners of Volumetric notified the Company that they were initiating dispute resolution under the provisions of the acquisition agreement in an effort to recover the $355,000. The parties did not reach a resolution during the 30-day negotiation period following this notice and now have entered into non-binding mediation in accordance with the terms of the acquisition agreement.

On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As discussed in Note 11, four of the seven Volumetric milestone-based earnout payments were previously cancelled as achievement was no longer deemed financially viable. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Presently, no lawsuit has been filed by the former owners of Volumetric to which milestone-based earnout payments were potentially payable, and there is no reasonable estimate or range of estimates of potential financial liability associated with this matter.

On August 21, 2024, the Company proposed a settlement of $1,750 with the former shareholders and key employees of Volumetric during mediation. The proposed settlement was accrued as of June 30, 2024. As of August 29, 2024, the mediation process between the parties remains ongoing.

Other

In May 2024, the Company became aware of a litigation matter involving claims against a Brazilian subsidiary of the Company by a former contractor for breach of contract relating to allegedly unpaid commissions and compensation owed as a result of the termination of the contractor. The amount at issue in this matter is approximately $800. The Company believes that the claims are without merit and continues to defend itself vigorously.

We are involved in various other legal matters incidental to our business. Although we cannot predict the results of the litigation with certainty, we believe that the disposition of all of these various other legal matters will not have a material adverse effect, individually or in the aggregate, on our consolidated results of operations, consolidated cash flows or consolidated financial position.

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

(17) Fair Value Measurements

Fair value is the exchange price to sell an asset or transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date. Fair value measurements use market data or assumptions market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs may be readily observable, corroborated by market data, or generally unobservable. Valuation techniques maximize the use of observable inputs and minimize use of unobservable inputs. The accounting guidance for fair value measurements and disclosures establishes a three-level fair value hierarchy:

- Level 1 - Inputs are based on quoted prices in active markets for identical assets and liabilities.
- Level 2 - Inputs are based on observable inputs other than quoted prices in active markets for identical or similar assets and liabilities.
- Level 3 - One or more inputs are unobservable and significant.

Financial and nonfinancial assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.

Cash equivalents are valued utilizing the market approach to measure fair value for financial assets and liabilities. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The carrying amounts of our cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities approximate fair value as of June 30, 2024 and December 31, 2023 because of the relatively short duration of these instruments.
Assets measured at fair value on a recurring basis as of June 30, 2024 include money market funds with a fair value of $125,512, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value. We did not have any transfers of assets and liabilities between Level 1, Level 2 and Level 3 of the fair value measurement hierarchy during the three and six months ended June 30, 2024.
Assets measured at fair value on a recurring basis as of December 31, 2023 include money market funds with a fair value of $255,984, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value.

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Restructuring and Exit Activity Costs	**6 Months Ended Jun. 30, 2024**
Restructuring and Related Activities [Abstract]	
Restructuring and Exit Activity Costs	

(18) Restructuring and Exit Activity Costs

Restructuring Plan Objectives and Status of Execution

In 2023, the Company commenced a multi-faceted restructuring plan (the "2023 Restructuring Plan") to improve operating efficiencies throughout the organization and drive long-term value creation. The key initiatives of the plan, some of which are ongoing, were announced in 2023 and included:

- improving manufacturing efficiencies related to the Company's European metal printer operations by (1) in-sourcing certain metal printer platforms into the Company's Riom, France manufacturing facility and (2) co-locating the engineering and manufacturing of in-sourced metal printer products in order to improve cycle time from development to production;
- reducing headcount throughout all functions and areas of the organization;
- rationalizing the Company's geographic footprint through the exit of leased facilities; and
- reducing certain third-party costs.

As of June 30, 2024, the Company has substantially completed its in-sourcing activities. Actions taken to reduce headcount commenced during the year ended December 31, 2023, continued throughout the quarter ended June 30, 2024, and are expected to be substantially completed during the quarter ended September 30, 2024. Beginning during our fourth quarter ended December 31, 2023, and continuing throughout the quarter ended June 30, 2024, the Company (1) has been identifying and evaluating its opportunities to exit leased facilities, (2) has been both developing and starting to execute against its relocation plans, and (3) and is actively marketing facilities that have been successfully exited for sublease. The decision-making, planning and execution related to our planned facility exits will continue throughout 2024. In addition, the Company has ongoing actions related to the reduction of third-party costs.

2023 Restructuring Plan Costs, Cash Settlements and Recognized Liabilities

Since inception of the 2023 Restructuring Plan, we have incurred $7,891 of severance charges related to headcount reductions, inclusive of $(402) and $(351) which has been recognized in our consolidated statement of operations for the three and six months ended June 30, 2024. These charges relate to employee severance and termination benefit costs that are generally recognized when probable and estimable because they are typically being determined consistent with the Company's past practices or statutory law. During the quarter ended June 30, 2024, we recorded a reduction of approximately $1,000 from our severance accrual included in cost of sales as a result of the decision to continue to operate certain facilities during the second quarter, the reduction in severance costs was partially offset by incremental severance charges in selling, general and administrative expenses as well as research and development. We currently expect aggregate headcount reduction costs related to our 2023 Restructuring Plan activities not to exceed $9,000 when this initiative is completed.

We may incur non-cash impairment charges as a result of exiting leased facilities if the carrying values of the related right-of-use asset balances and other related asset balances (e.g., leasehold improvements) will not be fully recoverable through our efforts to sublease an exited facility. Since inception of our 2023 Restructuring Plan, with the exception of certain amounts paid to terminate certain leases early, our consolidated financial statements have not reflected material transactions or charges resulting from decisions to exit facilities because either (1) the Company has not ceased use of a facility that it plans to exit or (2) an individual facility (and any related assets, as applicable) do not yet qualify to be measured for impairment separate from the asset group to which it has historically belonged, which would generally occur when we have entered into a sublease. During the six months ended June 30, 2024, we have paid $489 to terminate certain leases related to facilities identified as part of our facilities exit plan. In addition, during 2023 the Company recognized $628 of impairment charges related to certain fixed assets that were retired in connection with the Company's restructuring activities. There have been no impairment charges related to fixed assets recognized during the three and six months ended June 30, 2024.

The following table provides details regarding restructuring charges recorded and amounts that were settled with cash during the six months ended June 30, 2024 and June 30, 2023, as well as our remaining accrued liability reported in our consolidated balance sheet as of June 30, 2024 and June 30, 2023:

(in thousands)	June 30, 2024	June 30, 2023
Balance at beginning of period	$ 3,933	$ —
Costs incurred during the period	(351)	3,018
Amounts settled with cash	2,304	1,962
Balance at the end of period	$ 1,278	$ 1,056

The severance, termination benefits and other employee costs that have been incurred during the three and six months ended June 30, 2024 and June 30, 2024 are reflected in our consolidated statement of operations as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Total cost of sales	$ (1,025)	$ —	$ (992)	$ —
Selling, general and administrative	430	3,018	448	3,018
Research and development	193	—	193	—
Total	$ (402)	$ 3,018	$ (351)	$ 3,018

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Subsequent Events	**6 Months Ended Jun. 30, 2024**
Subsequent Events [Abstract]	
Subsequent Events	**(19) Subsequent Events**

We have evaluated subsequent events through the date these financial statements were issued and determined there were no events that required disclosure or recognition in these financial statements.

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Pay vs Performance Disclosure - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
Pay vs Performance Disclosure				
Net loss attributable to 3D Systems Corp.	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)

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Insider Trading Arrangements	**3 Months Ended Jun. 30, 2024**
Trading Arrangements, by Individual	
Rule 10b5-1 Arrangement Adopted	false
Non-Rule 10b5-1 Arrangement Adopted	false
Rule 10b5-1 Arrangement Terminated	false
Non-Rule 10b5-1 Arrangement Terminated	false

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Basis of Presentation (Policies)	**6 Months Ended Jun. 30, 2024**
Organization, Consolidation and Presentation of Financial Statements [Abstract]	
Consolidated Entities	**Consolidated Entities**

The accompanying unaudited condensed consolidated financial statements include the accounts of 3D Systems Corporation and all majority and wholly-owned subsidiaries and entities in which a controlling interest is maintained ("3D Systems" or the "Company" or "we" or "our" or "us"). All significant intercompany accounts and transactions have been eliminated in consolidation. Certain prior period amounts have been reclassified to conform to the current year presentation.

A non-controlling interest in a subsidiary reflects an ownership interest in a majority-owned subsidiary that is not attributable to the Company. For the periods presented, the Company's financial statements include a redeemable non-controlling interest, which has been reported in temporary equity on the Company's condensed consolidated balance sheets. The net loss attributable to this redeemable non-controlling interest is presented as an adjustment to the Company's consolidated net loss to arrive at net loss attributable to 3D Systems Corporation in the consolidated statements of operations and consolidated statements of comprehensive loss. Furthermore, adjustments to record this redeemable non-controlling interest at its redemption value are recorded to additional paid-in capital, and the excess redemption value is recognized as a reduction to net income, or increase to net loss, attributable to 3D Systems' shareholders for purposes of reporting earnings or loss per share. See Note 10 for additional details regarding the circumstances under which this non-controlling interest will become redeemable, as well as a summary of the activity related to the redeemable non-controlling interest balances reported during the periods presented.

Basis of Presentation

The unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP") and the rules and regulations of the Securities and Exchange Commission ("SEC") applicable to interim reports. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements and should be read in conjunction with the audited financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023 ("2023 Form 10-K"). The Company believes that the disclosures included in this Form 10-Q are adequate to make the information presented not misleading. In the opinion of management, the unaudited condensed consolidated financial statements contain all adjustments, consisting of adjustments of a normal recurring nature, necessary to present fairly the financial position, results of operations, and cash flows for the periods presented. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements. Actual results may differ from those estimates and assumptions.

Our annual reporting period is the calendar year. The results of operations for the three and six months ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. All dollar amounts and other amounts presented in the accompanying footnotes are presented in thousands, except for per share information.

Revenue Recognition

Collaboration and Licensing Agreements

We enter into collaboration and licensing agreements with third parties. The nature of the activities to be performed and the consideration exchanged under these agreements varies on a contract-by-contract basis. We evaluate these agreements to determine whether they meet the definition of a customer relationship for which revenue should be recorded. These contracts may contain multiple performance obligations and may contain fees for licensing, research and development services, contingent milestone payments upon the achievement of contractual developmental criteria and/or royalty fees based on the licensees' product revenue. We determine the revenue to be recognized for these agreements based on an evaluation of the distinct performance obligations; the identification and evaluation of material rights; the estimation of the amount of variable consideration to be included in transaction price, as well as the timing for inclusion of such variable consideration; and the amount of transaction price assigned to and the pattern of transfer of control for each distinct performance obligation.

Fair Value Measurements

Cash equivalents are valued utilizing the market approach to measure fair value for financial assets and liabilities. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The carrying amounts of our cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities approximate fair value as of June 30, 2024 and December 31, 2023 because of the relatively short duration of these instruments.

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

Schedule of Recognized Identified Assets Acquired and Liabilities Assumed

Shown below is the final purchase price allocation, which summarizes the fair values of the assets acquired and liabilities assumed at the date of acquisition:

(in thousands)		
Current assets, including cash acquired of $148		$ 835
Intangible assets:		
Trade names	$ 1,487	
Product technology	2,580	
Customer relationships	348	
Total intangible assets		4,415
Goodwill		6,528
Other assets		475
Liabilities:		
Accounts payable and accrued liabilities	$ 794	
Long-term liabilities	293	
Total liabilities		1,087
Net assets acquired		$ 11,166

Schedule of Finite-Lived Intangible Assets Acquired as Part of Business Combination

The following table presents the finite-lived intangible assets acquired and their respective estimated useful lives:

	Useful Life
Trade names	5
Product technology	15
Customer relationships	10

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Revenue (Tables)

6 Months Ended
Jun. 30, 2024

Revenue from Contract with Customer [Abstract]

Schedule of Contract with Customer, Contract Asset, Contract Liability, and Receivable

Accounts receivable, contract asset and contract liability balances as of June 30, 2024 and December 31, 2023, were as follows:

(in thousands)	June 30, 2024	December 31, 2023
Accounts receivable, net of reserves	$ 97,447	$ 101,497
Contract assets[1]	14,837	12,147
Contract liabilities[2]	43,236	40,075

[1] Includes amounts reported in Prepaid expenses and other current assets and Other assets on the balance sheet, inclusive of $6,587 and $5,422 as of June 30, 2024 and December 31, 2023, respectively, that is related to a long-term contract and is billable upon attainment of milestones.

[2] Includes both current and long-term portions of deferred revenue. The long-term portion of deferred revenue is reported in other liabilities on our condensed consolidated balance sheets.

Schedule of Revenue by Geographic Region

Revenue by geographic region for the three and six months ended June 30, 2024 and June 30, 2023, which is determined based upon the geographic region in which a sale originates, was as follows:

	Three Months Ended	
(in thousands)	June 30, 2024	June 30, 2023
Americas	$ 66,179	$ 76,594
EMEA	37,537	41,199
APAC	9,536	10,401
Total	$ 113,252	$ 128,194
United States (included in Americas above)	$ 65,432	$ 75,093
Germany (included in EMEA above)	$ 17,303	$ 19,484

	Six Months Ended	
(in thousands)	June 30, 2024	June 30, 2023
Americas	$ 126,784	$ 145,243
EMEA	71,437	84,009
APAC	17,936	20,178
Total	$ 216,157	$ 249,430
United States (included in Americas above)	$ 125,324	$ 142,878
Germany (included in EMEA above)	$ 31,545	$ 42,946

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Inventories (Tables)

6 Months Ended
Jun. 30, 2024

Inventory Disclosure [Abstract]

Schedule of Components of Inventories

Components of inventories at June 30, 2024 and December 31, 2023 are summarized as follows:

(in thousands)	June 30, 2024	December 31, 2023
Raw materials	$ 50,476	$ 59,658
Work in process	2,615	4,708
Finished goods and parts	88,652	87,822
Total inventories	$ 141,743	$ 152,188

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Goodwill and Intangible Assets (Tables)

6 Months Ended
Jun. 30, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Schedule of Intangible Assets Other Than Goodwill

At June 30, 2024 and December 31, 2023, the Company's intangible assets, all of which have finite lives, were as follows:

	June 30, 2024			December 31, 2023		
(in thousands)	Gross	Accumulated Amortization	Net	Gross	Accumulated Amortization	Net
Intangible assets with finite lives:						
Customer relationships	$ 51,837	$ (50,419)	$ 1,418	$ 54,565	$ (52,796)	$ 1,769
Acquired technology	46,558	(14,993)	31,565	47,515	(13,268)	34,247
Trade names	26,275	(14,605)	11,670	26,938	(14,059)	12,879
Patent costs	19,847	(11,458)	8,389	19,579	(11,350)	8,229
Acquired patents	16,444	(14,862)	1,582	16,503	(14,822)	1,681
Other	9,698	(6,046)	3,652	13,711	(9,792)	3,919
Total intangible assets	$ 170,659	$ (112,383)	$ 58,276	$ 178,811	$ (116,087)	$ 62,724

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Investments and Note Receivable (Tables)

6 Months Ended
Jun. 30, 2024

Equity Method Investments and Joint Ventures [Abstract]

Schedule of Equity Investments

The following table summarizes our investment balances as of June 30, 2024 and December 31, 2023:

(in thousands)	June 30, 2024	December 31, 2023
Equity investments under the equity method of accounting	$ 6,556	$ 5,247
Equity investments without readily determinable fair values	20,847	20,847
Other[1]	200	200
Total equity investments	$ 27,603	$ 26,294
Long-term note receivable[2]	$ 545	$ 535
Total notes receivable	$ 545	$ 535

[1] Reflects warrant investment carried at fair value. The fair value of these warrants is measured using Level 3 fair value measurement inputs. Refer to Note 17 for a description of these inputs.
[2] Includes interest amounts that have been accrued on, recorded to and reported as part of the notes receivable balances.

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Accrued and Other Liabilities (Tables)

6 Months Ended
Jun. 30, 2024

Payables and Accruals [Abstract]

Schedule of Accrued Liabilities

Accrued and other liabilities at June 30, 2024 and December 31, 2023 are summarized as follows:

(in thousands)	June 30, 2024	December 31, 2023
Compensation and benefits	$ 16,246	$ 13,196
Accrued taxes	6,915	10,373
Accrued product warranty liability	1,194	2,106
Other accrued liabilities	20,927	23,785
Total	$ 45,282	$ 49,460

Schedule of Recognized Warranty Revenue and Incurred Warranty Costs

Changes in our accrued product warranty liability balance during the six months ended June 30, 2024 and June 30, 2023 are summarized below:

(in thousands)	June 30, 2024	June 30, 2023
Balance at beginning of period	$ 2,106	$ 3,677
Settlements made	(1,770)	(1,920)
Accruals for warranties issued	858	1,164
Balance at the end of period	$ 1,194	$ 2,921

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Borrowings (Tables)

6 Months Ended
Jun. 30, 2024

Debt Disclosure [Abstract]

Schedule of Convertible Notes Payable

The related principal, unamortized deferred issuance costs and carrying values as of June 30, 2024 and December 31, 2023 were as follows:

(in thousands)	June 30, 2024	December 31, 2023
Principal[1]	$ 214,378	$ 324,870
Unamortized deferred issuance costs	(3,010)	(5,514)
Carrying value	$ 211,368	$ 319,356

[1] The Notes have an initial conversion rate of 27.8364 shares of common stock per $1 principal amount of Notes (which is subject to adjustment in certain circumstances). This is equivalent to an initial conversion price of approximately $35.92 per share. The conversion rate is subject to customary adjustments under certain circumstances in accordance with the terms of the Indenture.

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Redeemable Non-Controlling Interest (Tables)

6 Months Ended

Jun. 30, 2024

Noncontrolling Interest [Abstract]

Schedule of Redeemable Noncontrolling Interest

Changes to the Company's RNCI balance during the six months ended June 30, 2024 and 2023 are summarized below:

	Six Months Ended June 30,	
(in thousands)	2024	2023
Balance at beginning of period	$ 2,006	$ 1,760
Net loss	(143)	(92)
Redemption value in excess of carrying value	173	260
Translation adjustments	(21)	23
Balance at end of period	$ 2,015	$ 1,951

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Stock-Based Compensation (Tables)

6 Months Ended

Jun. 30, 2024

Share-Based Payment Arrangement [Abstract]

Schedule of Stock-based Compensation Expense

The following table shows the stock-based compensation expense recognized during the three and six months ended June 30, 2024 and June 30, 2023:

	Three Months Ended June 30,		Six Months Ended June 30,	
(in thousands)	2024	2023	2024	2023
Stock-based compensation expense	$ 5,421	$ 7,990	$ 13,673	$ 18,282

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Net Loss Per Share (Tables)

6 Months Ended

Jun. 30, 2024

Earnings Per Share [Abstract]

Schedule of Net Loss Per Share Reconciliation

	Three Months Ended		Six Months Ended	
(in thousands, except per share amounts)	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Numerator for basic and diluted net loss per share:				
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)
Redeemable non-controlling interest redemption value in excess of carrying value	(98)	(172)	(173)	(260)
Net loss attributable to common stock shareholders	$ (27,356)	$ (29,067)	$ (43,432)	$ (58,576)
Denominator for net loss per share:				
Weighted average shares outstanding – basic and diluted[1], [2]	131,802	129,907	131,311	129,535
Net loss per share – basic and diluted	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)

[1] Equity awards are deemed anti-dilutive for the three and six months ended June 30, 2024 and 2023 because we reported a net loss for these periods.
[2] Includes 250 shares of Common Stock related to the dp polar earnout arrangement that are expected to be issued given the passage of time on or about December 31, 2024.

Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share

The following table presents the potentially dilutive shares that have been excluded from the computation of diluted net loss per share attributable to Common Stock stockholders because their effect is considered anti-dilutive for the three and six months ended June 30, 2024 and 2023, respectively.

	Three and Six Months Ended	
(in thousands)	June 30, 2024	June 30, 2023
Restricted stock and restricted stock units	3,393	6,680
Stock options	160	420
Total	3,553	7,100

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Accumulated Other Comprehensive Loss (Tables)

6 Months Ended

Jun. 30, 2024

Stockholders' Equity Note [Abstract]

Schedule of Accumulated Other Comprehensive Loss

The changes in the balances of accumulated other comprehensive loss by component are as follows:

	Three Months Ended June 30, 2024		
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Total
Balance at March 31, 2024	$ (51,750)	$ 307	$ (51,443)
Other comprehensive loss	(1,196)	(2)	(1,198)
Balance at June 30, 2024	$ (52,946)	$ 305	$ (52,641)

	Six Months Ended June 30, 2024		
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Total
Balance at December 31, 2023	$ (44,564)	$ 314	$ (44,250)
Other comprehensive loss	(8,382)	(9)	(8,391)
Balance at June 30, 2024	$ (52,946)	$ 305	$ (52,641)

	Three Months Ended June 30, 2023			
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Unrealized loss on short-term investments	Total
Balance at March 31, 2023	$ (50,781)	$ 700	$ (19)	$ (50,100)
Other comprehensive income (loss)	712	—	—	712
Amounts reclassified from accumulated other comprehensive income (loss) [a]	—	(11)	19	8
Balance at June 30, 2023	$ (50,069)	$ 689	$ —	$ (49,380)

	Six Months Ended June 30, 2023			
(in thousands)	Foreign currency translation adjustment	Defined benefit pension plan	Unrealized loss on short-term investments	Total
Balance at December 31, 2022	$ (54,194)	$ 700	$ (328)	$ (53,822)
Other comprehensive income (loss)	4,125	12	108	4,245
Amounts reclassified from accumulated other comprehensive income (loss) [a]	—	(23)	220	197
Balance at June 30, 2023	$ (50,069)	$ 689	$ —	$ (49,380)

[a] Amount reclassified into interest and other income (expense), net on the statement of operations.

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Segment Information (Tables)

6 Months Ended

Jun. 30, 2024

Segment Reporting [Abstract]

Schedule of Segment Reporting Information by Segment

The following tables set forth our operating results by segment for the three and six months ended June 30, 2024 and June 30, 2023:

	Revenue Three Months Ended June 30,		Adjusted EBITDA Three Months Ended June 30,	
(in thousands)	2024	2023	2024	2023
Healthcare Solutions	$ 48,900	$ 60,874	$ 8,772	$ 11,394
Industrial Solutions	64,352	67,320	3,358	2,264
Total Reportable segments	$ 113,252	$ 128,194	$ 12,130	$ 13,658

	Revenue Six Months Ended June 30,		Adjusted EBITDA Six Months Ended June 30,	
(in thousands)	2024	2023	2024	2023
Healthcare Solutions	$ 94,313	$ 109,599	$ 12,492	$ 16,459
Industrial Solutions	121,844	139,831	5,440	9,166
Total Reportable segments	$ 216,157	$ 249,430	$ 17,932	$ 25,625

The following table provides a reconciliation of our reportable segment Adjusted EBITDA to our reported Net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and June 30, 2023:

(in thousands)	Three Months Ended June 30, 2024	Three Months Ended June 30, 2023	Six Months Ended June 30, 2024	Six Months Ended June 30, 2023
Total segment adjusted EBITDA	$ 12,130	$ 13,658	$ 17,932	$ 25,625
Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems:				
Corporate expense not allocated to segments	(25,044)	(20,556)	(50,906)	(42,618)
Interest income (expense), net	828	4,404	2,912	8,209
Provision for income taxes	(476)	(222)	(1,847)	(230)
Depreciation expense	(4,910)	(5,294)	(9,870)	(10,606)
Amortization expense	(2,589)	(3,258)	(4,902)	(6,497)
Stock-based compensation expense	(3,389)	(7,990)	(11,574)	(18,282)
Acquisition and divestiture-related expense	(181)	(1,512)	(234)	(4,188)
Legal and other related costs	(2,342)	(2,656)	(6,582)	(2,735)
Restructuring expense	(87)	(4,121)	(138)	(5,824)
Net loss attributable to redeemable non-controlling interest	43	(16)	143	92
Loss on equity method investments, net of tax	(902)	(142)	(1,149)	(142)
Gain on repurchase of debt	—	—	21,518	—
Other non-operating income (expense)	(339)	(1,190)	1,438	(1,120)
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)

Schedule of Long-Lived Assets by Geographic Areas

The following table summarizes long-lived assets by geographic region as of June 30, 2024 and December 31, 2023:

(in thousands)	June 30, 2024	December 31, 2023
United States	$ 89,921	$ 94,734
Belgium	19,439	21,524
Other foreign entities	16,187	18,783
Total	$ 125,547	$ 135,041

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Restructuring and Exit Activity Costs (Tables)	6 Months Ended Jun. 30, 2024
Restructuring and Related Activities [Abstract]	

Schedule of Restructuring and Related Costs

The following table provides details regarding restructuring charges recorded and amounts that were settled with cash during the six months ended June 30, 2024 and June 30, 2023, as well as our remaining accrued liability reported in our consolidated balance sheet as of June 30, 2024 and June 30, 2023:

(in thousands)	June 30, 2024	June 30, 2023
Balance at beginning of period	$ 3,933	$ —
Costs incurred during the period	(351)	3,018
Amounts settled with cash	2,304	1,962
Balance at the end of period	$ 1,278	$ 1,056

The severance, termination benefits and other employee costs that have been incurred during the three and six months ended June 30, 2024 and June 30, 2024 are reflected in our consolidated statement of operations as follows:

(in thousands)	Three Months Ended June 30, 2024	Three Months Ended June 30, 2023	Six Months Ended June 30, 2024	Six Months Ended June 30, 2023
Total cost of sales	$ (1,025)	$ —	$ (992)	$ —
Selling, general and administrative	430	3,018	448	3,018
Research and development	193	—	193	—
Total	$ (402)	$ 3,018	$ (351)	$ 3,018

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Acquisitions (Narrative) (Details) € in Thousands	Jul. 01, 2023 USD ($)	Jun. 30, 2024 USD ($)	Jul. 01, 2023 EUR (€)
Business Acquisition [Line Items]			
Unrecognized stock-based compensation expense		$ 26,015,000	
Wematter			
Business Acquisition [Line Items]			
Acquired ownership percentage	100.00%		100.00%
Payment in cash	$ 10,224,000		
Additional payments | €			€ 2,000
Additional payment period	2 years		
Unrecognized stock-based compensation expense | €			€ 2,000
Business combination, increase in consideration transferred	$ 942,000		
Goodwill expected to be tax deductible	$ 0		

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Acquisitions (Assets and Liabilities Assumed) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023	Jul. 01, 2023
Intangible assets:			
Goodwill	$ 114,070	$ 116,082	
Wematter			
Business Acquisition [Line Items]			
Current assets, including cash acquired			$ 835
Intangible assets:			
Total intangible assets			4,415
Goodwill			6,528
Other assets			475
Liabilities:			
Accounts payable and accrued liabilities			794
Long-term liabilities			293
Total liabilities			1,087
Net assets acquired			11,166
Cash acquired			148
Wematter | Trade names			
Intangible assets:			
Total intangible assets			1,487
Wematter | Product technology			
Intangible assets:			
Total intangible assets			2,580
Wematter | Customer relationships			
Intangible assets:			
Total intangible assets			$ 348

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Acquisitions (Definite-Lived Intangible Assets) (Details) - Wematter	Jul. 01, 2023
Trade names	
Business Acquisition [Line Items]	
Finite-lived intangible assets average useful life (in years)	5 years
Product technology	
Business Acquisition [Line Items]	
Finite-lived intangible assets average useful life (in years)	15 years
Customer relationships	
Business Acquisition [Line Items]	
Finite-lived intangible assets average useful life (in years)	10 years

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Revenue (Narrative) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Outstanding performance obligation	$ 122,853		$ 122,853	
Variable consideration	46,000		46,000	
Revenue	113,252	$ 128,194	216,157	$ 249,430
Amounts included in contract liability at the beginning of period	$ 6,637		$ 22,451	
One Customer | Revenue from Contract with Customer Benchmark | Customer Concentration Risk				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Concentration risk (as a percentage)	16.00%	18.90%	16.10%	16.30%
Collaborative Arrangement				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Revenue	$ 1,825	$ 3,463	$ 3,846	$ 8,203
Revenue Remaining Performance Obligation Expected Timing Of Satisfaction [Axis]: 2024-07-01				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Outstanding performance obligation	$ 43,236		$ 43,236	
Remaining performance obligation (as a percentage)	94.90%		94.90%	
Performance obligations expected to be satisfied, expected timing	12 months		12 months	

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Revenue (Contract with Customer, Contract Asset, Contract Liability, and Receivable) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Revenue from Contract with Customer [Abstract]		
Accounts receivable, net of reserves	$ 97,447	$ 101,497
Contract assets	14,837	12,147
Contract liabilities	43,236	40,075
Long term contracts	$ 6,587	$ 5,422

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Revenue (Revenue by Geographic Region) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Disaggregation of Revenue [Line Items]				
Total revenue	$ 113,252	$ 128,194	$ 216,157	$ 249,430
Americas				
Disaggregation of Revenue [Line Items]				
Total revenue	66,179	76,594	126,784	145,243
United States				
Disaggregation of Revenue [Line Items]				
Total revenue	65,432	75,093	125,324	142,878
EMEA				
Disaggregation of Revenue [Line Items]				
Total revenue	37,537	41,199	71,437	84,009
Germany				
Disaggregation of Revenue [Line Items]				
Total revenue	17,303	19,484	31,545	42,946
APAC				
Disaggregation of Revenue [Line Items]				
Total revenue	$ 9,536	$ 10,401	$ 17,936	$ 20,178

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Inventories (Components Of Inventories) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Inventory Disclosure [Abstract]		
Raw materials	$ 50,476	$ 59,658
Work in process	2,615	4,708
Finished goods and parts	88,652	87,822
Total inventories	$ 141,743	$ 152,188

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Inventories (Narrative) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Inventory Disclosure [Abstract]		
Inventory reserve	$ 19,036	$ 16,156

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Goodwill and Intangible Assets (Intangible Assets Other Than Goodwill) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Finite-Lived Intangible Assets [Line Items]		
Gross	$ 170,659	$ 178,811
Accumulated Amortization	(112,383)	(116,087)
Net	58,276	62,724
Customer relationships		
Finite-Lived Intangible Assets [Line Items]		
Gross	51,837	54,565
Accumulated Amortization	(50,419)	(52,796)
Net	1,418	1,769
Acquired technology		
Finite-Lived Intangible Assets [Line Items]		
Gross	46,558	47,515
Accumulated Amortization	(14,993)	(13,268)
Net	31,565	34,247
Trade names		
Finite-Lived Intangible Assets [Line Items]		
Gross	26,275	26,938
Accumulated Amortization	(14,605)	(14,059)
Net	11,670	12,879
Patent costs		
Finite-Lived Intangible Assets [Line Items]		

Gross	19,847	19,579
Accumulated Amortization	(11,458)	(11,350)
Net	8,389	8,229
Acquired patents		
Finite-Lived Intangible Assets [Line Items]		
Gross	16,444	16,503
Accumulated Amortization	(14,862)	(14,822)
Net	1,582	1,681
Other		
Finite-Lived Intangible Assets [Line Items]		
Gross	9,698	13,711
Accumulated Amortization	(6,046)	(9,792)
Net	$ 3,652	$ 3,919

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Goodwill and Intangible Assets (Narrative) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Goodwill and Intangible Assets Disclosure [Abstract]				
Amortization expense	$ 2,143	$ 3,258	$ 4,139	$ 6,497
Remainder of 2024	3,983		3,983	
Amortization expense for intangible assets, 2025	7,957		7,957	
Amortization expense for intangible assets, 2026	7,888		7,888	
Amortization expense for intangible assets, 2027	6,799		6,799	
Amortization expense for intangible assets, 2028	$ 6,534		$ 6,534	

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Investments and Note Receivable (Equity Investments) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Equity Method Investments and Joint Ventures [Abstract]		
Equity investments under the equity method of accounting	$ 6,556	$ 5,247
Equity investments without readily determinable fair values	20,847	20,847
Other	200	200
Total equity investments	27,603	26,294
Long-term note receivable	545	535
Total notes receivable	$ 545	$ 535

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Investments and Note Receivable (Narrative) (Details) $ in Thousands	1 Months Ended	3 Months Ended		6 Months Ended				
	May 31, 2024 USD ($)	Jun. 30, 2024 USD ($)	Jun. 30, 2023 USD ($)	Jun. 30, 2024 USD ($) investment	Jun. 30, 2023 USD ($)	Dec. 31, 2023 USD ($)	Apr. 30, 2023 USD ($)	Mar. 31, 2022 USD ($)
Schedule of Equity Method Investments [Line Items]								
Initial investment		$ 6,556		$ 6,556		$ 5,247		
Total revenue		113,252	$ 128,194	216,157	$ 249,430			
Total cost of sales		66,154	78,178	128,137	152,316			
Accounts receivable		97,447		97,447		101,497		
Aggregate carrying value of equity investments without a readily determinable value		20,847		20,847		20,847		
Accounts payable		41,272		$ 41,272		$ 49,757		
Variable Interest Entity, Not Primary Beneficiary								
Schedule of Equity Method Investments [Line Items]								
Number of variable interest entities | investment				2				
Maximum exposure to losses		$ 14,556		$ 14,556				
Saudi Arabian Industrial Investments Company								
Schedule of Equity Method Investments [Line Items]								
Initial investment							$ 6,500	
Payments to investment	$ 2,450							
Ownership percentage		49.00%		49.00%		49.00%		
Saudi Arabian Industrial Investments Company | Related Party								
Schedule of Equity Method Investments [Line Items]								
Total revenue		$ 2,897	0	$ 3,160	350			
Total cost of sales		2,231	0	2,317	191			
Accounts receivable		2,812		2,812		$ 1,092		
Entach Inc								
Schedule of Equity Method Investments [Line Items]								
Payments to investment		26	$ 18	179	$ 32			
Aggregate carrying value of equity investments without a readily determinable value		6,900		6,900		6,900		$ 10,000
Fair value of investment								$ 9,670
Historical impairment charges		2,770		2,770		2,770		
Entach Inc | Related Party								
Schedule of Equity Method Investments [Line Items]								
Accounts payable		$ 14		$ 14		$ 26		

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Leases (Details) - USD ($) $ in Thousands	6 Months Ended	
	Jun. 30, 2024	Dec. 31, 2023
Lessee, Lease, Description [Line Items]		
Current finance lease liabilities	$ 1,388	$ 1,770
Long-term finance lease liabilities	$ 11,074	$ 11,458
Minimum		
Lessee, Lease, Description [Line Items]		
Remaining lease term	1 year	
Maximum		
Lessee, Lease, Description [Line Items]		
Remaining lease term	14 years	

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Accrued and Other Liabilities (Accrued Liabilities) (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Payables and Accruals [Abstract]		
Compensation and benefits	$ 16,246	$ 13,196
Accrued taxes	6,915	10,373
Accrued product warranty liability	1,194	2,106

Other accrued liabilities	20,927	23,785
Total	$ 45,282	$ 49,460

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Accrued and Other Liabilities (Recognized Warranty Revenue and Incurred Warranty Costs) (Details) - USD ($) $ in Thousands	6 Months Ended			
	Jun. 30, 2024	Jun. 30, 2023	Dec. 31, 2023	Dec. 31, 2022
Warrant Obligation [Roll Forward]				
Balance at beginning of period	$ 1,194	$ 2,921	$ 2,106	$ 3,677
Settlements made	(1,770)	(1,920)		
Accruals for warranties issued	858	1,164		
Balance at the end of period	$ 1,194	$ 2,921	$ 2,106	$ 3,677

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Borrowings (Narrative) (Details) $ / shares in Units, $ in Thousands	1 Months Ended	3 Months Ended		6 Months Ended			12 Months Ended		
	Mar. 31, 2024 USD ($)	Jun. 30, 2024 USD ($) $ / shares	Jun. 30, 2023 USD ($) $ / shares	Dec. 31, 2024 USD ($)	Jun. 30, 2024 USD ($) day $ / shares	Jun. 30, 2023 USD ($) $ / shares	Dec. 31, 2026 USD ($)	Dec. 31, 2025 USD ($)	Dec. 31, 2023 $ / shares
Line of Credit Facility [Line Items]									
Common stock, par value (in dollars per share) | $ / shares		$ 0.001	$ 0.001		$ 0.001	$ 0.001			$ 0.001
Amortization of debt issuance costs		$ 314	$ 670		$ 748	$ 1,339			
Deferred debt issuance cost, writeoff					1,756				
Gain on extinguishment of debt					$ 21,518	$ 0			
Forecast									
Line of Credit Facility [Line Items]									
Amortization of debt issuance costs				$ 631			$ 1,119	$ 1,260	
Convertible Senior Notes Due 2026 | Convertible Debt									
Line of Credit Facility [Line Items]									
Interest rate (as a percentage)		0.00%			0.00%				
Effective interest rate		0.594%			0.594%				
Percentage of conversion price					130.00%				
Threshold trading days | day					20				
Threshold consecutive trading days | day					30				
Threshold consecutive trading days, sale price per share | day					5				
Measurement period | day					5				
Threshold percentage of sales price per share					98.00%				
Redemption percentage of principal amount					100.00%				
Debt instrument, repurchased face amount	$ 110,492								
Repayments of convertible debt	$ 87,218								
Gain on extinguishment of debt					$ 21,518				
Debt instrument, repurchase amount		$ 171,520			$ 171,520				

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Borrowings (Convertible Notes Payable) (Details) - Convertible Senior Notes Due 2026 - Convertible Debt $ / shares in Units, $ in Thousands	6 Months Ended	
	Jun. 30, 2024 USD ($) $ / shares	Dec. 31, 2023 USD ($)
Line of Credit Facility [Line Items]		
Principal	$ 214,378	$ 324,870
Unamortized deferred issuance costs	(3,010)	(5,514)
Carrying value	$ 211,368	$ 319,356
Conversion price (in dollars per share) | $ / shares	$ 35.92	
Conversion ratio	0.0278364	

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Redeemable Non-Controlling Interest (Narrative) (Details)	Jun. 30, 2024	Apr. 01, 2022
Construction Contractor, Receivable, after Year One, Interest Rate [Line Items]		
Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target one (as percent)	50.00%	
Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target two (as percent)	50.00%	
Redeemable noncontrolling interest, equity, common stock, percent of exercise price to be paid (as percent)	50.00%	
Kumovis GmbH		
Construction Contractor, Receivable, after Year One, Interest Rate [Line Items]		
Ownership percentage		93.75%
Ownership percentage by existing shareholders	6.25%	

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Redeemable Non-Controlling Interest (Schedule of Redeemable Noncontrolling Interest) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Redeemable Noncontrolling Interest Equity [Roll Forward]				
Balance at beginning of period			$ 2,006	$ 1,760
Net loss	$ (43)	$ 16	(143)	(92)
Redemption value in excess of carrying value			173	260
Translation adjustments			(21)	23
Balance at end of period	$ 2,015	$ 1,951	$ 2,015	$ 1,951

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Stock-Based Compensation (Narrative) (Details)	Apr. 29, 2024 USD ($) milestone employee	Feb. 24, 2024 USD ($) milestone	Oct. 04, 2022 USD ($) shares	Dec. 01, 2021 USD ($) milestone	1 Months Ended Feb. 29, 2024 USD ($) milestone	3 Months Ended Jun. 30, 2024 USD ($) milestone $ / shares shares	3 Months Ended Jun. 30, 2023 USD ($)	6 Months Ended Jun. 30, 2024 USD ($) milestone $ / shares shares	6 Months Ended Jun. 30, 2023 USD ($)
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]									
Vesting period								3 years	
Stock-based compensation expense						$	$	$ 13,673,000	$

					5,421,000	7,990,000		18,282,000
Unrecognized stock-based compensation expense					$ 26,015,000		$ 26,015,000	
Unrecognized stock-based compensation expense, period for recognize							1 year 8 months 12 days	
Share-Based Payment Arrangement, Tranche One								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Vesting percentage							33.33%	
Share-Based Payment Arrangement, Tranche Two								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Vesting percentage							33.33%	
Share-Based Payment Arrangement, Tranche Three								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Vesting percentage							33.33%	
Phantom Share Units (PSUs) | Systemic Bio Phantom Unit Plan								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Vesting period							4 years	
Granted (in shares) | shares					6,000		94,000	
Stock-based compensation expense					$ 2,030,000	0	$ 2,097,000	0
Share-based compensation arrangement, increased expense valuation					$ 1,913,000		$ 1,913,000	
Basic (in dollars per share) | $ / shares					$ 0.01		$ 0.01	
Performance Shares								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Number of non-financial milestones | milestone					4		4	
Restricted Stock Units (RSUs)								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Vesting period					3 years		3 years	
Granted (in shares) | shares					60,000		60,000	
Granted (in dollars per share) | $ / shares					$ 5.75		$ 5.75	
Incentive Awards								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Stock-based compensation expense					$ 680,000	397,000	$ 2,274,000	1,055,000
Volumetric Milestones								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Share-based compensation arrangement by share-based payment award, milestone awards recognized						(632,000)		(632,000)
RegMed Milestone								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Share-based compensation arrangement by share-based payment award, milestone awards recognized						1,634,000		1,634,000
Volumetric Biotechnologies, Inc.								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Stock-based compensation expense					$ 0	(632,000)	$ 0	1,634,000
Additional payments	$ 175,000,000	$ 355,000,000	$ 355,000,000	$ 355,000,000				
Number of milestones | milestone	7		7		7		7	
Milestones terminated | milestone	4	4		4				
Remaining milestones | milestone	3	3		3				
Business combination, contingent consideration, reduced liability		$ 175,000,000		$ 175,000,000				
Number of employees | employee	2							
Earnout payment milestone						65,000,000		65,000,000
Aggregate grant date fair value of outstanding and unvested						4,773,000		4,773,000
Volumetric Biotechnologies, Inc. | Minimum								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Number of milestones | milestone				4				
Volumetric Biotechnologies, Inc. | Maximum								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Number of milestones | milestone				7				
Dp polar GmbH								
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]								
Stock-based compensation expense					$ 733,000	$ 277,000	$ 975,000	$ 552,000
Additional payments			$ 2,229,000					
Issuance of shares (in shares) | shares			250,000					

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Stock-Based Compensation (Stock-based Compensation Expense) (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
Share-Based Payment Arrangement [Abstract]				
Stock-based compensation expense	$ 5,421	$ 7,990	$ 13,673	$ 18,282

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Income Taxes (Details)	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
Income Tax Disclosure [Abstract]				
Effective income tax rate	(1.80%)	(0.80%)	(4.60%)	(0.40%)

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Net Loss Per Share (Net Income (Loss) Per Share Reconciliation) (Details) - USD ($) $ / shares in Units, shares in Thousands, $ in Thousands		**3 Months Ended**	**6 Months Ended**		
	Oct. 04, 2022	**Jun. 30, 2024**	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**

Numerator for basic and diluted net loss per share:				
Net loss attributable to 3D Systems Corporation	$ (27,258)	$ (28,895)	$ (43,259)	$ (58,316)
Redeemable non-controlling interest redemption value in excess of carrying value	(98)	(172)	(173)	(260)
Net loss attributable to common stock shareholders	$ (27,356)	$ (29,067)	$ (43,432)	$ (58,576)
Denominator for net loss per share:				
Weighted average shares outstanding - basic (in shares)	131,802	129,907	131,311	129,535
Weighted average shares outstanding - diluted (in shares)	131,802	129,907	131,311	129,535
Net loss per share - basic (in dollars per share)	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)
Net loss per share - diluted (in dollars per share)	$ (0.21)	$ (0.22)	$ (0.33)	$ (0.45)
Dp polar GmbH				
Denominator for net loss per share:				
Issuance of shares (in shares)	250			

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Net Loss Per Share (Equity Awards) (Details) - shares shares in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)	3,553	7,100	3,553	7,100
Restricted stock and restricted stock units				
Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)	3,393	6,680	3,393	6,680
Stock options				
Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)	160	420	160	420

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Net Loss Per Share (Narrative) (Details) - $ / shares shares in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
Subsidiary, Sale of Stock [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)	3,553	7,100	3,553	7,100
Share price (in dollars per share)	$ 4.28	$ 9.67	$ 4.28	$ 9.67
Convertible Senior Notes Due 2026 | Convertible Debt				
Subsidiary, Sale of Stock [Line Items]				
Interest rate (as a percentage)	0.00%		0.00%	
Convertible Senior Notes Due 2026 | Senior Notes				
Subsidiary, Sale of Stock [Line Items]				
Conversion price (in dollars per share)			$ 35.92	
Incentive Awards				
Subsidiary, Sale of Stock [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)	531	109	531	109
Restricted Stock				
Subsidiary, Sale of Stock [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)		1,047		1,047
Dp polar GmbH				
Subsidiary, Sale of Stock [Line Items]				
Shares excluded from diluted loss per share calculation (in shares)		92		92

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Accumulated Other Comprehensive Loss (Accumulated Other Comprehensive Loss By Component) (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jun. 30, 2023**	**Jun. 30, 2024**	**Jun. 30, 2023**
AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]				
Beginning balance	$ 408,365	$ 729,686	$ 426,753	$ 749,944
Other comprehensive income (loss)	(1,198)	712	(8,391)	4,245
Amounts reclassified from accumulated other comprehensive income (loss)		8		197
Ending balance	381,729	711,004	381,729	711,004
Accumulated Other Comprehensive (Loss) Income				
AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]				
Beginning balance	(51,443)	(50,100)	(44,250)	(53,822)
Ending balance	(52,641)	(49,380)	(52,641)	(49,380)
Foreign currency translation adjustment				
AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]				
Beginning balance	(51,750)	(50,781)	(44,564)	(54,194)
Other comprehensive income (loss)	(1,196)	712	(8,382)	4,125
Amounts reclassified from accumulated other comprehensive income (loss)		0		0
Ending balance	(52,946)	(50,069)	(52,946)	(50,069)
Defined benefit pension plan				
AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]				
Beginning balance	307	700	314	700
Other comprehensive income (loss)	(2)	0	(9)	12
Amounts reclassified from accumulated other comprehensive income (loss)		(11)		(23)
Ending balance	$ 305	689	$ 305	689
Unrealized loss on short-term investments				
AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]				
Beginning balance		(19)		(328)
Other comprehensive income (loss)		0		108
Amounts reclassified from accumulated other comprehensive income (loss)		19		220
Ending balance		$ 0		$ 0

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Segment Information (Operating Results by Segment) (Details) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024 USD ($)	**Jun. 30, 2023 USD ($)**	**Jun. 30, 2024 USD ($) segment**	**Jun. 30, 2023 USD ($)**
Segment Reporting [Abstract]				
Number of reportable segments | segment			2	
Segment Reporting Information [Line Items]				
Revenue	$ 113,252	$ 128,194	$ 216,157	$ 249,430
Adjusted EBITDA	12,130	13,658	17,932	25,625
Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems:				
Corporate expense not allocated to segments	(25,044)	(20,556)	(50,906)	(42,618)
Interest income (expense), net	828	4,404	2,912	8,209
Provision for income taxes	(476)	(222)	(1,847)	(230)
Depreciation expense	(4,910)	(5,294)	(9,870)	(10,606)
Amortization expense	(2,589)	(3,258)	(4,902)	(6,497)

Stock-based compensation expense	(3,389)	(7,990)	(11,574)	(18,282)
Acquisition and divestiture-related expense	(181)	(1,512)	(234)	(4,188)
Legal and other related costs	(2,342)	(2,656)	(6,582)	(2,735)
Restructuring expense	(87)	(4,121)	(138)	(5,824)
Net loss attributable to redeemable non-controlling interest	43	(16)	143	92
Loss on equity method investment, net of income taxes	(902)	(142)	(1,149)	(142)
Gain on repurchase of debt	0	0	21,518	0
Other non-operating income (expense)	(339)	(1,190)	1,438	(1,120)
Net loss attributable to 3D Systems Corporation	(27,258)	(28,895)	(43,259)	(58,316)
Healthcare Solutions				
Segment Reporting Information [Line Items]				
Revenue	48,900	60,874	94,313	109,599
Adjusted EBITDA	8,772	11,394	12,492	16,459
Industrial Solutions				
Segment Reporting Information [Line Items]				
Revenue	64,352	67,320	121,844	139,831
Adjusted EBITDA	$ 3,358	$ 2,264	$ 5,440	$ 9,166

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Segment Information (Long-Lived Assets by Geographic Region) (Details) - USD ($) $ in Thousands	**Jun. 30, 2024**	**Dec. 31, 2023**
Revenues from External Customers and Long-Lived Assets [Line Items]		
Long-lived assets	$ 125,547	$ 135,041
United States		
Revenues from External Customers and Long-Lived Assets [Line Items]		
Long-lived assets	89,921	94,734
Belgium		
Revenues from External Customers and Long-Lived Assets [Line Items]		
Long-lived assets	19,439	21,524
Other foreign entities		
Revenues from External Customers and Long-Lived Assets [Line Items]		
Long-lived assets	$ 16,187	$ 18,783

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Commitments and Contingencies (Details)	**Aug. 21, 2024 USD ($)**	**Apr. 29, 2024 USD ($) milestone employee**	**Mar. 29, 2024 USD ($)**	**Feb. 24, 2024 USD ($) milestone**	**Jun. 02, 2023 USD ($)**	**Dec. 01, 2021 USD ($) milestone**	**May 31, 2024 USD ($)**	**1 Months Ended Feb. 29, 2024 USD ($) milestone**	**Feb. 28, 2023 USD ($) installment**	**3 Months Ended Jun. 30, 2024 USD ($) milestone**	**Jun. 30, 2023 USD ($)**	**6 Months Ended Jun. 30, 2024 USD ($) milestone**	**Jun. 30, 2023 USD ($)**	**12 Months End Dec. 31, 2023 USD ($)**	**Dec. 202 USD**
Loss Contingencies [Line Items]															
Obligation to purchase inventory										$ 19,720,000		$ 19,720,000			
Purchase obligation, to be purchase within next year										10,850,000		10,850,000			
Legal and other related costs										$ 2,342,000	$ 2,656,000	$ 6,582,000	$ 2,735,000		
Litigation amount							$ 800,000								
Volumetric Biotechnologies, Inc.															
Loss Contingencies [Line Items]															
Additional payments		$ 175,000,000		$ 355,000,000		$ 355,000,000		$ 355,000,000							
Number of milestones | milestone		7				7				7		7			
Milestones terminated | milestone		4		4				4							
Remaining milestones | milestone		3		3				3							
Business combination, contingent consideration, reduced liability				$ 175,000,000				$ 175,000,000							
Acquisition related earnout amount to be recovered			$ 355,000,000												
Negotiation period			30 days												
Number of employees | employee		2													
Volumetric Biotechnologies, Inc. | Subsequent Event															
Loss Contingencies [Line Items]															
Payments for legal settlements	$ 1,750,000														
Financial Standby Letter of Credit															
Loss Contingencies [Line Items]															
Guarantor obligations, maximum exposure, undiscounted					$ 1,161,000										
Guarantor obligations, extension term					1 year										
Export Controls and Government Contracts Compliance															
Loss Contingencies [Line Items]															
Amount awarded									$ 15,048,000						
Payments for legal settlements												$ 3,500,000			
Export Controls and Government Contracts Compliance | Directorate of Defense Trade Controls															
Loss Contingencies [Line Items]															

Amount awarded			$ 10,000,000	$ 10,000,000	
Number of installment payments | installment			3		
Payment period			3 years	3 years	
Payments for legal settlements					$ 2,294,000
Suspended penalty amount				$ 10,000,000	$ 7,706,000
Legal contingencies		$ 2,926,000		2,926,000	$ 10,000
Export Controls and Government Contracts Compliance | Bureau of Industry and Security of the Department of Commerce					
Loss Contingencies [Line Items]					
Amount awarded			$ 2,778,000		
Export Controls and Government Contracts Compliance | U.S. Department of Justice					
Loss Contingencies [Line Items]					
Amount awarded			$ 2,270,000		
Securities Class Action					
Loss Contingencies [Line Items]					
Amount awarded					4,000,000
Payments for legal settlements					749,000
Payments for legal settlements, paid by insurance					$ 3,251,000
Legal and other related costs				$ 1,950,000	

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Fair Value Measurements (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Money Market Funds		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash equivalents	$ 125,512	$ 255,984

XML 87 R75.htm IDEA: XBRL DOCUMENT

Restructuring and Exit Activity Costs (Narrative) (Details) - USD ($)	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Restructuring Cost and Reserve [Line Items]				
Costs incurred			$ 7,891,000	
Restructuring charges	$ (402,000)	$ 3,018,000	(351,000)	$ 3,018,000
Reduction in severance costs	1,000,000			
Expected cash charges	9,000,000		9,000,000	
Payments to terminate lease			489,000	
Asset impairment			0	1,187,000
Severance, Termination Benefits and Other Employee Costs				
Restructuring Cost and Reserve [Line Items]				
Restructuring charges			(351,000)	3,018,000
Asset impairment	$ 0		$ 0	$ 628,000

XML 88 R76.htm IDEA: XBRL DOCUMENT

Restructuring and Exit Activity Costs (Restructuring Charges) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Restructuring Reserve [Roll Forward]				
Costs incurred during the period	$ (402)	$ 3,018	$ (351)	$ 3,018
Employee Severance, Termination Benefits, and Other Restructuring				
Restructuring Reserve [Roll Forward]				
Balance at beginning of period			3,933	0
Costs incurred during the period			(351)	3,018
Amounts settled with cash			2,304	1,962
Balance at the end of period	$ 1,278	$ 1,056	$ 1,278	$ 1,056

XML 89 R77.htm IDEA: XBRL DOCUMENT

Restructuring and Exit Activity Costs (Costs Incurred) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jun. 30, 2023	Jun. 30, 2024	Jun. 30, 2023
Restructuring Cost and Reserve [Line Items]				
Total	$ (402)	$ 3,018	$ (351)	$ 3,018
Total cost of sales				
Restructuring Cost and Reserve [Line Items]				
Total	(1,025)	0	(992)	0
Selling, general and administrative				
Restructuring Cost and Reserve [Line Items]				
Total	430	3,018	448	3,018
Research and development				
Restructuring Cost and Reserve [Line Items]				
Total	$ 193	$ 0	$ 193	$ 0

EXCEL 90 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (/B#'5D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+ (/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " #X@QU9D-8_FN\ K @ $0 &1O8U!R;W!S+V-O&ULS9)1 M2\,P$,>_BN2]O30=HJ'+BV-/"H(#Q;>0W+9@TX3DI-VWMZU;A^@'\#%W__SN M=W"-B=*$A,\I1$SD,-\,ONVR-''-CD11 F1S1*]S.2:ZL;D/R6L:G^D 49L/ M?4 0G-^"1])6DX8)6,2%R%1CC30)-85TQENSX.-G:F>8-8 M>NPH0U56P-0T M,9Z&MH$K8((1)I^_"V@7XES]$SMW@)V30W9+JN_[LJ_GW+A#!6]/CR_SNH7K M,NG.X/@K.TFGB&MVF? Q:/VQV6Z8$%ZN"WQ7B?B>XK"M9K]XGUQ]^5V$?K-N[M?VQ\$50-_+H+]0502P,$% @ ^(,=69E&UL[5I;<]HX%'[OK]!X9_9M"\8V@;:T$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=05SP6.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>$[2M!'\6:PUDSY@R.S-D77.UI$.$9)>-T(^8LZ+ MD!&_'H8X2IKMHG%8!/V>7L-)P>B"RV;]N'Z&U3-L+([W1]072N0/)J<_Z3(T M!Z.:60F]A%9JGZJ'-#ZH'C(*!?&Y'C[E>G@*-Y;&O%"N@GL!_]':-*K^(+ M.7\N?<^E[[GT/:'2MSAD6R4)RU3393>* M$IY"&V[I4_5*E=? EK[DHN#Q;Y.FOH70^+,_Y/%_GM,T+,T.WF)&Y M"M-2D&_#^>G%>!KB.=D$N7V85VWGV-'1^^?!4;"C[SR6'<>(\J(A[J&&F,_#

M0X=Y>U^89Y7&4#04;6RL)"Q&MV"XU_$L%.!D8"V@!X.O40+R4E5@,5O& RN0 MHGQ,C$7H<.>77%_CT9+CVZ9EM6ZO*7<9;2)2.<)IF!-GJ\K>9;'!51W/55OR ML+YJ/;053L_^6:W(GPP13A8+$DACE!>F2J+S&5.^YRM)Q%4XOT4SMA*7&+SC MYL=Q3E.X$G:V#P(RN;LYJ7IE,6>F\M\M# DL6XA9$N)-7>W5YYNTB42%(JP# 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<;:,0Q9@%CS#*%F.-^'19H:,]6+K#F-"F!] MU4#E/]O4#6CV#30,9FV-J/D3@H\W/[O#;#"Q([A8N_ 5!+ P04 M" #X@QU9M%"_F-L% #5'@ & 'AL+W=OPS<+(2.FX%8N6\E:!B)'DB^OG M$%^YE.B [(T_KY-WEPCC3(7XJN^N?>O&XXN$0^YI[0$@X\-=WD8:B4HQ[\[MT4;QFSKP[?5> _2Z#!Y@Y2[@KPC\#7ZVN&Q<-Ÿ/,%2T,U$=M/? ? 4T7J>")/L M/]KF[[;;#>2EB1+1+AA*$ 5Q_LE>=A7Q-@!7!)!= /D0@*M^@>X": ::ERS# M&C'%!GTIMDCJMT%-7V1UDT4#31#K-$Z5A&\#B%,#5VRX1&/(&&JB9,4D3_HM M! <+ZZY:W${G)14B%2!=]$;%:)>@V]KG_/KX%!2I*1?:ENB%6P5_3^!QI1YPP1 MA[0-Y7'MX<-T>8X(,86 *PXM*HEF>M1:27\YXF2T.[^,=50KM V*^C.>)6L MF<>O&]#;$BXW0#'XX3O<=7XVX7TCL7>P[0*V;5,?C(270C]5:/:ZYB92>SAV MFD\F)&M43:1.@=0Y#NDI95)Q&;ZB"5\+J4QX=BDE4U.EN-:HFGC= J]['-Z8 MRT#XNA@(39^GL]LO4^0^3L:/D^'L_O'!1&O5J4F+G7)B=8[A MO8\](:&-,MU \] MQN:\VB4II6BVDIPC:..:OB>)1@MQ >J%QL+*+U>4O;1&V&I'_\;OZ#MKV3&QC M([M=;B*\K^A3$(9&U%-X(ER:(FRW-1]1BWX\EF(3Q)XYUW;-J6L$/853PJ55 MPG:#\Q%T+!+%0O17L*X>JNR*Y+')'C,.1/:XN::F-L-WL9*UU"&O?:C"[P(5# MC5BG\$BX-$G8[FW9_P-F 5Z)V&9B#HA0TFW22\>L4GHF4GHG87CV MQ5NQ>,DK/>(!H8?GJ=$@V1T@>1HWS0-&)AB&[2!+Y.S.W6 MKE.Y_K;'U>4K[0\YRO[<1EPN=7J<8[A0LBI0LB=@.S'VG?3?'3;'\;/:8*/&VL)U C\3?R-[MZ MR-4ZF9H^5-D,,*6=`NWUNOW6Q@196B%B-$^MB-V%S(SBUV@.GNGL#>D MM#?D@#O9[_3=!4GF9O.-S3MX;!YL[')/QLT#>U!-1EIZ'7I@!^<#XS,' UI) M>$"L:KO6'E:7L? 0[U.Y.]D;G+:)M=_J 7+.)29-B(^@I# \M#0\)RO"X "L! M]#[V^0OZC1M'U -2#OQ=8]=++XRF)\P$A7P!H&PO=V]R:W-H965T&ULK9EM4]LX$,>_BB;7Z;0S0/3DIQ8R M0P.]MM,KG4+O7AM'$$]M* [5D*/?I;^4$.[%D!>;Z!IQD)?]W+>UO5SZ^E_4/ MM11"HU]E4:F3R5+KU9OI5&5+4:;]2*Y$!;_2DJE+F9')*WLQ9: :T%G_GXEYM72/CRK64 M(\R'CXN3"3:*1"$R;:9(X=^=F(NB,#.!CI^;22? =/O'V=^WSH,SUZD2 MF<=XJ6OX-8=Q>C:_^')V_N7R_ SU!>7%YX]GIU?PX=WIY],O\W-T^>'\ M _H2':+OEV?HU8O7Z 7**W2UE(U*]X4ZGFK08&:::9IO[O5O?CX[<[U-3'2&& M#Q#%E#N&S_W#ST0&PTD[G.T.GX+GG?NT]4:LT$R<3V$9*U'=B,GOY!PGQ6Y=WOVFR'5]9YROSS3Z;IVJ)X*FA MS%R(GTU^EQ;@O/,IKJ<*VZE,*KB;D81&C!Y/[[;]LM8W#)XL3ESOI^ MP9;.). (\&GAC6Q%,>!*YO0DZ;P*O-Q^K.XBRK'AC'1@WY23B+.!-H=90$D< MN[6%G;;0J^UK+59IOD#B%W!!051-&*5>BAJ2S_;6<"D/+4D@/$P&PAU6-"34 MK3OJ=$=>W5=2I\43)$;VS2,6)F2@T38+:133$9%Q)>$UR@:;T?VJ": ;8" M_NEV);NTQK8(3,/A&G58<1X2M]*D4YKL6:(ZK6YSV&>;6(Z*3*S;!S&-PH%(MVPKB:?*]2R3!/:NP5^:?4B[N\Z)P8@?;&X1P'.&!-*==B..19TVV0$J\XB[@ M6:%;F;=B2@+K-3D,HLY#D=4]_PC7N3,WN=5 M6F7BF9JI(X81&Z8LEQF%U#:BN><8\8/LLZQN#[6H2U.O"4@!"RA*,ED*I--? M/MG,TL/XEIR-:MN*4X9'1/=((WZF7;1)U2/.A@\/.1UF4Y<9C\;V/^D91?R0 M6B=4CSR;/XI?'EOKU+9+$AR&8_'K047")U5J19Y>YT6N@:;.NUW MS;;K=$\YXL?\;1IS/N M6G?=3P>\FY;;)B-D4HTL"!MDE! 6QD,?'%@D"0M&:@:O:(X_ZD=?[\,S\16W(M04_)K+7L, NC9*3YI#T+J9^%_OIBGW8;@#$::H@WTFVK@(0C-2CM(4G][=S% M4Y(9M3LR1K'5<+K,&,=CR:QG&GU*Z[9/HZ-Q8Y'=%3OL@I D>*0>HCW%J)]B MS84O6V:;OW@K!.9%[G/K1- UVR[OO?X97[\FM4J*Z1," [0 M"WR$,8'ZJT9W:=&(Y0V>BGK_%_(9)3B XPQ4LL4E+S=_$>Y4J8B(HP=!''4 M+GES#7L)F@)#GD]-);J#V_;W,Y&)\AKRS>-Y[($YG%N)]F"^>' &W68[8<,& M;(_1;HAZ_#,__D\7B]R\.(#<8TZ\#O,*9>DJAUSD%.K@.O3;A \7L],PB@(R M4E*QK=-:?P4 16I3-D6JX;$ A_(L=^XY9M/[D! .3=>P=71;0F\6C.1TUI.> M[3VP[;1N3@]E"2M]:=[WW 'OI7*?,ML$/PQHR(=EELN.TK;JT93 MAU.TS6X6D\AJU1UVG(91P9]Y1G?LI;!4#;,V_";O?L,ST-K>-]9J!/,\V M_=.M]U3F)>%?:7V;5PJ*PAL8B(\BB%6]?N^V_J#EJGUU=2TU-$#MY5*D(-X8 MP.\W$CB\^6#>AG5O/V?_5!+ P04 " #X@QU9>,3I[_@" !A" & M 'AL+W=O;5-*6VD MTA;!Q*"BL'V8]L%-;HF%$P?;:6&_?K83HA;"2Z(?&C_N.3[GVL[-8,WXG4@ M)'I(:2:&5B)EWK=M$2608M%B.61J9LEXBJ7J\EM;Y!QP;$ IM3W'Z=HI)ID5 M#LS8C(<#5DA*,IAQ)(HTQ?SQ&"A;#RW7>AJX(K>)U -V.,CQ+=@ N.U7 %X%\#X*\"N ;ŻR6 MRHRM"98X'"V1EQ*S=,+DQ:.6&9'H7YY*K6:)P,AQ?7DRF% /I!*G6 /+\ M;#*Z5IWCT?GH8CQ%\]/I]'J.JF:80R83D"3"=!]]1S?S"=K;V4<[B&3H.F&% MP%DL!K94FC2S'57K'Y?K>Z^L_Z/(6LAW#I#G>.T&^/AM^ 0B!7<-W-^&VRH3 M=3]\.AV>X?-?X9M++$$=4HG8$IV0#&<1P13-F"#FU/T9+83DZNS];;): MN?5][(L<1S"TU(43P%=@A;O? W*YSU&3\B\BVTN#7:?#?8@']4<2*3 IU3R,@ M*[R@<("J91HWN:3K&CK]XEB%OM,['-BK34<-0?Y&T);2=JVT_@N830& M+G:_]3PW.$)P7Q#YV& 2V?[*'?HBLBW?G=IWY\T=&K,T5>=1:/L'*, <YVT29!G-GYK-B,+8PL>B0Z:?_]4K)B6>05DW3X);&+9J'VV+*?&\8+K-\G(RNVB_NZEF%V(OB[SD-Q6]]]MM5OW\S OQ=#'G!D^7$Z]Y(E[PI6PH,O7KD<]Y431,ZCG^ZD@GQWLV T\ M/[- .:8U7QMQG-9^+XH]\)3>7DVB"5OPAVQ?R5CS]AW<&^0W?4A1U^Q,]=5AO M@I;[6HIM-U@]P38O#[^S'YTC3@8H'G@ Z080?0 ;&4"[?2U=V#= /;:_C= M@-;TZ<'VUG%))K/9126>4-6@%5OSH?5^.UKY*R^;1%G(2OTU5^/D;'Y]E:17 MBS1!ZM/B^MO7Y-.=NECO?;>U1O MLHK7*"_1W4;LZZQ6[M#YQ!C\E"6SXZPG?+'WFYY^=07 \C&3RR*7?G]2Y;\LN]JFM,.;%>)QAC$E/KF8 M/IYZ%X"1",=L"$M,&,$!]L,A+ $+@+&;4.\(&MOI'6WUKJLU%+9%X0'6S)+K%OWO[1OOI6F>/ M2N"J/K5[#ROVLI99N5*U&IZ<3K=SG;(E3ME25VS# /5:G-BU>#\Y#Y&!4Q+8 M3Z4X,D47@"-Q[(5Z4H)\%&,]*T$^GXZD)>U%.+6+\--9:;&;FE(8M!O"07;# M?*;=,-^XW;T(IW81KJ/U7XI05UM'_KF=^(NV1*G;*DKMF$0>ME/B;4F6L\E M6#N&-P?!)5OBE"UUQ38,PLG9$'N\>+IA&[\J4H-<:@OG', %L4XT+4Q ,/4 M#_4MJQ3"A=3WZB[9$]=LJ2NV82CZ-H7:]ZY? M>4Z!0GO.S-=U(#S TR-!#1A$?&,35T AKW PV,K3]\$4'L3L%!NS)6Q]C%O#H)+ML0I6^J*;1B$OB6BK]GTMZT\ MP#X_]K&^TP_ :.P9KY$!6.1I_75>)"L!"/PK#D7G?]Q7/BN61+ MG+*EKMB&QS'[IH?9FYY7KCL=R^"() T]?7A ,.(9;TX!& N\6-\3!&&G6]@' MFZWO%JW9_9K9=.^E(>#P<=OC_\7*D]#:]]_QF?SS'P?8+/T\.I Y[^ M\$\(W[-JG9&PO M=V]R:W-H965T&ULK5C;;N,V$/T50ET4N\ FNE_LV@823R-MD1OB9/M0]$&V:%M=B?22M)WTZSN4%<6B:378^L6ZG3F<.1P.AQYL*?O.EQ@+ M]%P6A ^-I1"KOFGRV1*7*3^G*TS@RYRR,A7PR!8F7S&<9I5169B.905FF>;$ M& VJ=_=L-*!K4>0$WS/$UV69LI=+7-#MT+"-UQ"^=P2O-O#>.X)?&U2AF[O8*^'B5*2C :-;Q"0:V.1-I7YE#7KE M1";*1##XFH.=&(WO;N/D=I+$".XF=]=7\<4C/$P>X7*3W#Y.T-T^'1_Y!\ M!=S5MP1=WTTFZ PJ36+T\<,G] 'E!#TNZ9JG).,#4X!7DMN:N M+IS_-WKRTZ.WQ"';_' K/O<(WD7D!D-A$(C.T9B64(V6LDQL,+HB,UIB].?% ME L&"_XOW=SOV#T]NZR"?;Y*9WAH #";(.-T;^_V('UFT[X4Y+%IR1+3D36 MFB*OF2*OBWUT"]M)03E'4PP;IX;RG6'83:%H!H22LQFL#D8+L%K 2A48'!"Z MF=H-$E2#R.UE,SIS0M>R!^9F?PYTL"@*>VU8K(%YKFR--1@EHT%8TB35, MD1NIJ_ 0Y=F.KX\Y:F*..F-^(M"W%OD_.$,+Z%<1S#-?4B;.H *5L PWN&.V MHP.'+"7X0X2MEJ# _)$D.$:YSI/3TFK! [G6$_4I$6B)Z@ /6T21 I.ARB0D<) M,]8P16Y/61K)(OAFV]M9?6. 1H*R&%: N@[1HMS9*/O)XRS6,]SO;5 M=-#A?#OLN8H.6IS;"X(C4NQUVG:G%>-8\[X^*:H5D@K!\NE:5#WNW#^2C]=> MM/SW7%6T0Y =]()IB&R5*=&A>L?2QGG3RNG4:GR0, ?RN'!*>>'0G'+H2]F* ML,J/EM!Y+Z5D\7RVH>IP=^JHP&IQO![Y:7K0X-PH]11US[_A68K:HSLT<,F5- MQ*Y3;]XV9_,+ZD2JO+^T^V-;\SZ69_GJN/A&O_LCX"9EBYQP5. Y#&6=AS"/ M;'>VWCT(NJH.CU,JX"A:W2YQFF$F ?!]3JEX?9 #-/]PC/X%4$L#!!0 (M /B#'5DS0/O&^ H !0L 8 >&PO=V]R:W-H965T&UL MK5IM##'+,%H-7B+S< M7W^/! 8;"9+LS9<PYX;SK/=RRQ7L+?38B%<%C\V@;3HEGA=,MSS)1A=GYMXW>7&6ERI-,O%- MHJ+<;KE\?" 2_/Y\A$?[&]^3VXW2-Z879SM^*Y9"_;;[)N'7M)DE3K8B*Y(\ M0U*LST<+?'K%9GJ D?@$???%P372IJSR_(?^\2D^'WE:(Y&*2.DI./R[$Y**KXH3POS%]W7LMX(166A\FT]&)EGUGS_4CC@8@&G/ %(/(-T!?L\ M6@^@W0&L9P"K!S#CF?KA"<+7\^OG3U>(&?BQOX-^7#]H.2#-UL\K+@65R<315HH^><1O6;+ZLWDYXW!^A+GJE-@3YD ML8B/QT_!BL84LC?ED@Q.^&N9G2#JC1'Q"'/H<_7\X71 '=IXEIKY:)]G>;%! M:UA7!5K+?(M@J4JNDNRVOS$):(X=;FMFI:YI]5UX+38\4BB='% MO_^% ^\GE\VO--F1!UCC 38T^\4UE*TT+PJT$E"@!)2)6$#56J4"97DVB2#\ M,D]3[9(D4P(44"Y_5"\)S$MT&;N[F##*/'(VO3NTU"'FSYDW;\2.;/ ;&_S! M*"[BOV 10J%3!5(YF !:1XFV8&\:,>/4J M_R"4V/<)[@3<(35GC+CC/6OLF W:L51Y]&.BD21&4;X%>"V,%2XU9[8"-)C1 MCIH.J3F9]Z@Y;]2<#ZKY66<>>+/8@*,GL':VD'9WHLY4E()S2PVOHZ@M$;B5 M#!LEP^'UKQ>Y7A;M!:)!^U7X5(SM)1@8=A=Z@XAC_AN9;'7(]$WJ.XW MF=\EAL] M3+NS%0N'U&^*O)4%)'((]?*];1'CL.!W]'9(<5\W^M1^@"^\0N4 M7O'8K"XW'&-+@PFQU+2%L->G)6FU),]*5[41>N'O\B+9%X-568!P48ABC'92 M9XIZ"'/Q=YGL="Z;ZI'#.(DX"/581NP(L.XZ= CYLQ[#6HS'@P!Z\3/7U3ZK M2IIXT#E>)L5&:.^Y4E#I"@'T\[^IJR_7%H 5C/(S&;::\78E,K!/USN0,D&0A MI<$M*'@"*?X@"N/V&B40;S'0:11S9':W6#N$^BQJH1D/(EJ353I9U"/:"K7) MXX,Z.#; ##EF3'*J[MO9CEG8U=TAU8")[\\7&N&[5 M=HA@/.]+ [!8&\6R8O6YX=@MYT'$S!K+=5 8/ NM+N!A2%[6E MFO")YY5J?--F821JW5;$M!X0W[8M3"*Q[&UT\U1"4]R>V R9F5V[;0A# 6 MA&[E2(NFY"DT%9#9\]KBX-"'I50;W1I[RWHQ 9+>UDZA"8 J3VDA;202H8A MM8G]CC.V!9XXL'1&##Y9=K:(M!NF!>S1LX90,P^G5OF1+ 1E0"N/;:K- Z(O N M\-7M6!L$:6A!I4,*2DI/O28M6)(4J 3'RA*T;C,A3?@2J4U[Y-36 9KKZ.:?"-LI- N*SKL(.,5AT/0R6M(!(A@'Q^CE] MJ%-O&^$F-*!>MY*YY%A >JM%"X8D>-%F207BSVB@R2#(OA1U7FNV8R^TH$N& MF\]OI8PV7!=+ ("U[,FR62\'G3ZP6\S)#%L4S"6&J<_Z@M>")1D&RR5/Z_J^ MY:J4)EC:@N +5KW"IN,48<= M2DTHS2*#KC!V&F-#:AATK;%E>@RA+>+28<1=1) D56-UB+8'KC_6GVMYV=UZ MK? <@'=A*F-\-BDL,^\%!P3NVI<5&.HS!325[6Y>R=WH]W"4Q_%@].LN#TPP' M3(>^UP40AQ@&JX6335N@IN1%96V=9#R+GK,'/$@ 7KP)_$JS'7OA8"-\&/>_ M Q-\-,V\[O=S"1. "XIIFP>W57G0[;/3#0YDG\^(U2\[Y/J64XO^=!C];TP? M;#BL%"E7D'G55N^DV' I$-0'E8J]674/RN^Y=\,H2[,][TN]7*),3_H6U M M-:##U."KJ06N_',JZ\#YP.\2<)<4#7H:8]IR 3K<&%LLYME:VZWP)/3HW*I: M#CD6DAZ^2%OXIL/P_6&]%E&5#0^1Z9\1L"^!HKJ7SC-CU[BR3F?,':!-IIK= M%B632.>9?NXTT('@)*#=[5&'6-!'+FF+\G08Y758WL8BDGH+]YW>+3)7.D#_ MIU6.]AC3^=SB^0Y:['D>[2O3+06@PQ3@\MGZ(Z[,)N9*W"99IE-2;R_!C4?! MI<.X]T^\^4_\'Z=+;'I *<6X2^E<$9IP#/OBB7?V M^((Y[@)"1N9=2N60@T7MX9YZQ%HNPO @B"_+W:XJ]#RM3-:(#GE?G;KH^3C$ M!@G.2Q\M68[=D'+8]@3^_=FI=><.%\I#L]-:6X*G=Y)SL1]_8'GB;Z>V?L+ M8=C=.W$(0:T+>K[GLI-L&$V8CC9_GLSJIF)6TV;5?C8^NQL"X5]R^_@P_DP M]ZAUW._'-UH: N]4U:8-X*HN37)(,0_3'FU;;L&&N<6-Y%FQUMLDZX,/-TT? M7WU% ^[D[FC|'K_Q%O_).YRX5OG '! K>2RI0@->C@CT]3E^$[+"=@_V*B& M2H=N-GK1I*GA8PAI?D?2JB;G&@SC8'#:HOZON>S2[0$V=-EF(K3?\ND_4)JF^ MN\%\L=Z)U=^U,^A=D]APVA5/@5P!G=5'B,QI!BVL#*^G M'9ZR4/"O.C*QD[S5-#W2"?BTST1S105DZ061=FL[.+ M3&\0#E1X1@E< 5*.?>+#%0N],6-,WYO/QY@R]+WC*5AD:1E7)NV>NV6-,,$(MXQ#A,9G-X&IXWL//ES"$4:K_!C-$0HSH>$9FZ";?@\LS4;?8Y/?9/XR#<18; M X0:9]Q OC++#(&N-3W0CP&H6==P/C;'@WTQ^%-BQ([+:AN/H[F2RY3))M'^OV2J?>;ZCW8[0U60R]?PI]5U5K@(#&B8X)|&*1WG=Z M-##$4=M8 D5-D3".J#I!"*E2Q6\[#]FS@P8]:EK#=+&E _>8'Y=J:ZK'M# M(?;^?G_>S =W.:!H$>G"4G]>JT:8JE MQB0#) 4[IVNC:;P:!&#)Y([M@;[PK%Q#FP3N,,>JLORNJB!O1]>++Y]&[]!?.;P6Z;)<2LL=][0!4L*?934 M=&*-;RR7P"V>I@A*?9+'!3)E+U,B/O!$! (4/+B5HKM]7A;0XC*G>=^/9CX., M.$$N*C,]./JX%?+6'"$MD'%D=5*MN=L<4WUO#F=V[E_BTROLN+]@P>DE((#K MR0R>F!.OT_;5U7G9+UQ"@U" 96M0PSN9 =[(Z@AJ4/E.W,H&PO=V]R:W-H965T&ULO5AMC]HX$/XKHUQU:J44R L! MJG:1Z)J3]T7E>WUP^D^F,2 KXE-;0>Z_[&3C:%)*!MM;HOX#CS//8\XQG; MN=P+^55M*-7P/4NYNG(V6F\ONET5;VA&5$=L*<IXQ-;;[3IZ(XO MMV1-%U1_WMY+?.I6+ G+*%=,<)!T=>5,O(YR-A;@[\8W:N#-AA/ED)\-0\? MDBNG9R9$4QIKPT#P;T>O:9H:(IS&MY+3J88TP,/V$_O<^HZ^+(FBUR+]PA*] MN7*&#B1T1?)4?Q+[][3TIV_X8I$]^PO[TK;G0)PK+;(2C#/(&"_^R?=2AP. M%YP ^"7 KP/"$X"@! 3/!80E('PNH%\"^L\%1"4@LMH78EFEIT23\:44>Y#& M&ME,PX;+HE%@QLW"6FB);QGB]/CZ[G8ZNUW,IH"MQ=W'#]/) SXL'O#9G;[ML("[.5Q/%N]A_O'NRP)>WQ-)N=Y0S6*2OH&W\'DQA=>OWL K8!P>-B)7A"?J MLJMQ=F:,;ES.Y+J8B7]B)G_FO -!SP6_YXAM\ M_OS1_6-X%R-2A<6OPN);ON %WT(333%_-8@57!.U@3F6 5_3Y9*2TS'?]H$ M+CC#=DY3HB[4EL3TRL$:I*C<46?\^V]>U/NC3>Z7))N])-G\AP#8=>\,/LR.^P\CL\Z_IWF"3YCT*/.6 ML 3H=]SN%%56'X$U0F(%DZ9< %&*MFM4#-L_U,CW:@*UV'BCFCIM/(-!39LV MHA/"]"MA^K\L3*'!:=_[S>F$05!SOLTHJCDV:QKYHYJ*\Z9-,/ '[=Y'E??1 M6>\?A":I==QM9(1=!K(FC]J(/3?:H#00"YZ8%9.8EA(I2X@Q5$_%3YGJ9V$K M4_U:)'QW?GI_>ZUU,FK)R] ?1C7EFV8!)J97TW76- M'?L^K9?D\:LH_\D:# M?GL !E4 !F<]G*G8(!*Z%8KI-F?/XG]V4WA)LME+DLT'S6"%P0EQATZM8U2I M/?KY.>$BPW,/A95(<94RO@9-EBG%LBAV+#'E$+, %WC,4D;L<;I"!5H88VUS5(<5>4Q[EZ9R$UN5;2_EHT=P#,3 MK4YL@$<@FBVQWCT=PH[>!XWW/IS<2_$LB1NEBSLEMC#E7-P,L87;G8O[G>D; M#EW1'@75;(M\.([N5C*\F++T M$2E3G*A9>NN<2,(UI>K)-7,1-@,0XPU/EH^04JV1V7@D:<),3$!1#!#3C\8< M35/!UV_1*$-JE)5:(1"(]\D.1FJ%O0HP]OVGRFOYL)=PG* MR22.S8 %PE:% (AD99YJA'XSO<'1[QB_5N;4S MQ5>3!)7 "S?<$)ZO\+2/%';+DLB''&35, MP9+4?'DPS*32IB$)=I$TA2V53"0*;-CGYNT/? .:IH29V[&*T*J#F/*367B M7P]61 ?:#N/=@XML1N7:?G)08(4LSNA5;_55XYV]_=?[AQ>S85O_Z&)FOX)T M?] 7GU!NB%PSKG#V*QRJUQG@3BV+SQ+%@Q9;>XU>"HV7QC-AD/ M/W]7YYN+EQ?S.:G$I,C^D<[KQ?D@&GAS<9.LL_IC! MZAF.70/;96!:!AH6EN7>]*-95DL^K MY]Y/RO>S42T+VX0[TM&#Y2L.NB3C)+MHD[VZ18+F6#O:J+V1=+[JD[M]ZOY/&T:?))Y'Y)T/GR3>Y-DE=I+$I_0FLW6RW66U&+N3<5-.DMKBPCO+G)9 M+T3IR0N40\BBZ=MWPOOE;5%5S[PW^:Q8"E5^)%O"OCG@?7/ FWCT2+S7XC;-M\S2_E=TU2_*9C"!MW!K\S$MJ>26S%QY!SSWL8VQSU:G?C),OJU4R$^<#>165 M*._$X.+GOZ#_]7F]5:,;<2:,?+N A&$_?!L='=H*F3,&%*, XDI7I*]EZ2G MEUW\VVH&!U4>TO&84K7*)V8RZ8QFBR4-HR$;:_;%9KIA2,DXP&HZ;DG'2(3; M9$HUT7TUT4T^O MCT66>?*6=I^4\W_;JH]"-G](L2FD6 PIQH'$%/? 9WGWF["17NWM75:W%_+EW M)ZIFJ/TY6:Y^]<3755K*;^M<-@)/;M *CM2WLR&O)7L5-7A^&AK#\[H=L># M,X9#'$:!UNL@(\:08AQ(3/$YV/L429CL%J@LO%_5PT]^\2M1U)N0JI_:*F^^V)I[M:^T4,H8,R8'$%-?&>]?&;M>:J=&P6<_//;GN6,FU2++!!'(@E9^%S96Q.9,? MATR[=TV<B]K+Y'I0SO/K,OV\KI//F6CZ MI+^F_RAK>LY/*Q7+VPKL9]LQ&SB"#=(G<9^GH$JA9WO 8.%57UZ0"Y(*=/ M'W9@KIE8>,G\/`NJ;D8WJRO(O"$=$NS+TO_*X>PVD1.'HID[%&4]K6YE!/!9K+8&&2G6":C(#C2'8*$"E-0M1A4 MC9^H#M6AEF0@-\KX*.9"+#? #65[DPUF1UZ58B^5J^[J2SH+V=[!(S!HW)H=14 M*UO:@IS+^0M>E"*]S;W9NBQ%/OOFU:5<7F7;"<2)P9 :M4419KI#H-0$5"T& M5>.GZD-UJ"4BR(U$XGSN ,!_6^FF@C1,C7:WV"3, AW=&M,<40"S##8WV<,Q,.(Q_C M,-+G;Y:$=$PB_TC3;[$#*%I#)%A!!2%]:3D&CQJ!J M'$I-M;0E#,B-&*R[(*=M-)?T(1X'.FR=[-*Y]T$L8H@QXI-([P 6D!"&A$1$ M[P"6A,R7'?1(!VA7]FC\)A)LA"')Q/0%5FX*JQ:[J'$I-W0)N.0)V-0:JK=+8[;ASQ&%LCV%RHZWLCNR2NS1%WP7N; M!HHBH-14TPZ>TW SB\?>(7&'[U'32HPQ)'11V&?XX!]D.,QGN3 +0#!;@#R M&!LEV 8?*!WK_124>'0+&H,&Y5!JJGDM\L!NY/$C^R787-LCO) QB(+"CFY! M8]"@'$I--:>E'=A-.QZT:8)-.B''M6BL,REW&7K;!,HZ.EX#AXJJ^M12#.RF M&#TV3; %#QB;)NYPO2T!?8X#5(V?J [5CQ:58#="F";9P#>.^ TDAJ!J M,:@:=]>&ZD_+/;";>SS%E@FV8 @4&OICUBTO(6Y>\L -$[=ZWZ46,7&(=<,$-&H, MJL:AU%0_6R!"W$#D!S9,B,D[K!LFQ(0>YH:)1>&S$;J.YKJS)(_& MWMWA>[MM6?ZST!AR00$&J!]'4E/M;DD'>=S#*%:++8=&Y,W(N%N",I!N06/0 MH!Q*336OQ2#DQ F3'V#OQ$0,8^+KJV9WX-[>=(D9@\;D4&JJ-2W6(&ZL\2#R M3LR5_) 2S'2*Z"Y#;Y= V4;':^!04=7CT2W>H&Z\T8.\4\L#-T1=[3>IYI! M,0:H&G7 7ANI&"R>H&TX\!=>EMF,6H7YSTMY%=8L:@,3F4FFIE"T^H&YX\ M@.M2RP,5$8GT>Y2[+TM H4FH&K)9(6H'K4TA+II2'>V2ZT^03[',*$6+D((MB_3WH8!&C4'5.)2:ZN?!RS[QDUTZ-]JRB"$64429 M/M*9"8<(T?'8UZ<'MI0,!_3(%B]MJ09U4XU>3\/;JPZ46U#K69!(7\!,0:/& MH&H<2DVUM$47U(TN3CX-;[?11 C4CTB@/^9";<=!C!Y@.PX28:(?Y(HM"64/ MP#A@2.\!-L2!*"5'>D"[]*?A$\Y$@]%U/+Q.AC&0E8PN+^*3"3G)A:K MX?4D@=$9>:/!U_/193R\2=[#\-OMQ>0G?!@SA87)T/"4B3WX"&_!!9W1K@Y= M0[G9&]RTS>.TR<-_)H\O5=&!P-L'W_-[6^"#E^$QI@3OUO!@"SS>_?9_X"X) MNE;57ZOJUWS!,WR)80:I.0S(.21&IG>9%#-4FM2[K[AYA%G4VT4?6_MVG5 ML/>VLJW4)<*Q+EF+?H5;7J);H1._>= ^]S]N4>TVR^)7(_E(U6*L:O,0>#62> MTZC05L]]*)F")1,5P@=>P$P*P92&$E7S#>YMT[7A/ZKY[4!<1E['\[JAN]P4 M;*>H^']138GN1FO:.7K%U((7&@3.">=UC@X<4,UL:APCR[I;I])0[]=F1N,< ME0V@\[F4YLFQ V#]@XC^ %!+ P04 " #X@QU9H3&N\RP' !M$@ &0 M

'AL+W=OZCKXB"N*^U\1>C*H3FU73JBXIJZ2>V(8,W*^MJ&7#KUE/?.))E7%3KZ7PV M>SFMI3*CR_/X[,9=GMLV:&7HQ@G?UK5TVRO2=G,Q.AEU#]ZK=17XP?3RO)%K MNJ7P1W/C<#?MM92J)N.5-<+1ZF*T.'EU=<;R4>!/11N_C; MD2AI)5L=WMO-]Y3M^9KU%5;[^%]LLNQL)(K6!UOGQ4!0*Y-^Y7WVPW,6S/." M><2=-HHHW\@@+\^=W0C'TM#&%]'4N!K@E.&@W :'MPKKPN65],H+NQ(WCCR9 M(-E7Y], U2PP+;*:JZ1F?D#-2_&S-:'RXJTIJ7RX?@I(/:YYA^MJ?E3ACZV9 MB-/96,QG\[,C^DY[.T^COM,#^GYU:VG4O]&\L;BVQENM2IF887GGYV\ MG+T^8MY9;][9,>W/#^-Q-5^>?"7VJMKQ&)4{.5X2*FS=2+-59BU:M(]M2L4QAP03CT]6P=-7[U0]^5:;0;4DB9'4M/P2"TS?B=NLAY;&_:ZP;XB6U M1AI\L$Z%;7RPJ:S6VQ=V8["+;Y=>E4HZ!LEOJ4.L#"1540G)N(+#(L:M3""8 M&P1,YU(6\ <]7W[^V;?S^>SU "0^.'DMK(MH_OKY(&=E_G%AIX^LZU[^K#M M-'\U$0O8YM7:J)4JI D)7';RX!\V"V0T7L;ZYD4E[T@LB8P@K5 JHK]A;[%+ M]HFX)L?6B<8I;-\0?N#..BD==#@JM/0>&* E6-;"+8 OV?"B=0Y.%5N24++# M%, 7QIH7^[V+X W!V7)5Y_+,Q@B.G/.5:AZ)=U%^'-MH<,@8,&.#D"$XM6R# M7&KJ,.:H3,2['*UDK._P4CG>E?O"'V>G!-R2T!-$PXT,FCC.]*ND[/X*W.1+0 MR"0&=/K4,G%!YH< #F3-4FK@(A'KO)_$O#/HV-IZO\=T^.094-EUO2>$C$&0 MY0?T'+;[D1,3M@%1OSO$I'/HK,!Q&-.!3%;)_@>:=SR/$H#I(\DFPA^1Y 1Q M5/&\ #", H%O'?2[VCH:[]@648/@UI7/]Q9S+231NHGH[Z1N8;:CK"LEBBQ1 M /$:)&]D*E]P!LI&!:G'*6=A,-T7Y/?HBE *B]3_-X>$9=HTP$ W^Q=TM#7, M :=QB4',4_>*C1X?\3V7F)-O7H-&(UZ62+AQ(JK0(N8>(I^3(1ETY':!K^> MMXI112S2VHFX)1*_V$#B9!8U[%A=$NJ+9DO6TI6L*,98N:*M$3+PV*-/8.^< M*C$"!]V^4:B&2V*;=\(T9N=L,,LE)^61DN&G'H)1C_/+D8Y,R5Q^3IASJODA %EO<+-_W:80[X?2B_*X5W<'^V/18=:E\@:QL'3U$%M.IT_9; M+$^RA--@!H>DEA_IB7N'-L"Q0'PUG(0H3<0/B56V429/QK4T.*VQ1U+W_'_D MY]SC*83CO5.8QW&I\I'OV&RW9O,M\ &SYBJ) 82%,.:T7-T-<4F-8X'M[!$K MJ9S>1I@#"E0ZE8X!D,+A[5&?256ZD+X2*QQ9?1_+\F?DK<_.!Q@SI.\CMS- M9/8[3NUCA&*DZIC$<=[UJ'%-RM!(;E:87)*I,W#VX-1H]J?#)R"H8T>3+;7 M$CFHH,R)E;.8[RHT@L.;3\2O8+Y,S!]:11XCE4^U7FIP'LQG^B#*)3?;!IYB M(N;=5BU(EZ#QJ%VB!0!KYT5&87EJZ)\,V9$=^^#(L[VI-+$X!{)VM9#'SC% M';\)J=EV770W!=%1AQYVNS\+X;Z?X.4*E"0]YT?ISN? &IRZ_BA@],.:I/7M@/YI_RUED3XA#.+10\S/TJT5@J-IA:6SR3=?CX1+'S?23;!-_*"PM"'8.EY6 MJ!?D6 #OV2/=#6_0?V&Z_)02P,$% @ ^(,=61P)+>IU!P /1$!D M !X;"]W;W)K&ULC5C;6UO7BP21-]/GP9\MM;'NFZ^4"N)I71M_/:A":"[&8U]4:BW]R#;*X,O2NK4,>'6KL6^MQ MGF6GX[749G!SQ6N?W3VXG5S_XK-FEO-A!%ZX-=)V%XL-8F_LJGE(>_ M(IG@9S|CH;8RQ|DD#=7SFZ$H\0!@\\%5#+MS<%G^VFO* MD+\:!VBD]7&1I.^B=/Z*|*GX9$VHO/B[*55Y*#^&)YT!^BWN[7F@C*<.^%/A32E.*CU2:(MK\J$UBD1BT[(^=?MP@<'_/S[I0Q%!V8O.T]=>$;6:CK 9K&*_>H!C???S7NS5^G5P>(]MBOE&EJI68_B : MA[1#8BU-NT26D7P'U3*@%>I:+)R5I3*T<[[U0:T]Z9F<78IY[.U')1[0ET[,M68\V*_%N_C _%HUU86EK;4?BRS-/40JT+4+0YB VWL,J)EGV-PZI(OH+,? !" M:/W1!OIA4\J'?LPCJ %;E6"MG@R#4G9-,X^:8@K9/MHD@WS M?$8^%=)70S#EX@]$*()-5#:1%0^O"]JZ\D-6?Z!#R!),#,'V052>XN,;L5" M(5@*BNIE18,E"3(L2W9'U@+)9QI$[L5Y=WHZ M"!W7("$R:+=3%.M[VX'H6TZ,) *4I.+8MOQQ=1$U,1^]JE\5)2>W'KB4!V<._E=2TJOO7 MC>Z5*K=2(_]>>];FLL#+!./-:JDQG0:X^Q:JVE@_]/S7>[_=MWC;],]//.Z MQWMEYQNQ^'AM+/GFZX5QST06S@9S-7(X"5W9E.W:^8FC&2))=_%US2V&%C=Q M'GVZNS7LF/TF/+4<*$,.CC8M7+=>.L]HF<|VNC8SHB][X@TV] 5":=I?+VO MH9$)Z>G63<1:T@\EV%B(N42?HP_'N^MLR_F#S*N]T>W4F"A6${"BNBM9N$3.Y\^8M MTG8]2[M\'7KYWF_\@I(+,']3D2$B)+A?TRIG]8_15W[7V"VR_WO6&@BP/@(MK)ACZZW!>M+Q53O>6%6ZWV-FREJ5N\[EZHS0M #?SY6R\884U#_07?T!4$L# M!!0 (/B#'5FQP*)S_ $% 9 >&PO=V]R:W-H965T]]<,N;*&A1W,]. MQIV#L8I[#.V1N<8"KR)(298FR9HI+C0MLIC;Y2(SK9=*P\X2URK%[:\M2-/E M=$Y/B1MQK\U(L")K^!%NP7]I=A8C-K)40H%VPFABX9#3S?QRNPKUL>"K@,Z= MK4EPLC?F+@0?JYPF01!(*'U@X/BZARN0,A"AC)\#)QV/#,#S]8G]??2.7O;< MP961WT3EZYR^IJ2" V^EOS'=!QC\1(&ED2X^2=?7SK&X;)TW:@"C B5T_ ^8/MPW *0#((VZ^X.BRK?<|R*SIB,V5"-;6$2K$8WBA X_Y=9;W!6(|\5G M0$LN8QZY0H:5 V[;X](G<&MR;;2O'7FG*ZC^QC/4, I)3T*VZ23AIU;/R")Y M1=(D74[P+49CB\BWF#1&OF_VSEO\|S>|\JA3+!^G"/-PZ1!>0DZQX1W8>Z#% M|V?S=?)F0N!R%+B<8I_X\M.X%QN#[QI8I?OC<>9 MB&ULE57;;N,V$/V5@;HH$D"(MKI;MU#809UNTQ2X:[/;R4/2!DL86L13IDM0ZZ=?OD)(5I>NXZ(M%-M8?;*#)5@RTS-^J DBP[I5MF::OWD3EH9+4/:D64MQG$1M8S+8+/R9P]ZLU*=%5SB@P;3M2W33UL4ZK@.DN!T\('O&^L.HLWJP/;X M$>UOAP=-NVA$J7F+TG E0>-N'=PEM]O<^7N'WSD>S60-3DFIU">W^:E>![$C MA (KZQ 8?3[C/0KA@(C&WP-7_*9T@=/U"?T'KYVTE,S@O1)_\-HVZV 10(T[MU@G[01U_Q$'/S.%52AC_"\?>-\L"J#IC53L$$X.6R_[+'HMY](L_R+;-LI4J+]"-IY$YI;>'HQ^FLAQZ2[EH]5DV11G-W=5I3NL@'25^ *>*^D;0Q|+VNL7|9'1&WDEY[X;=.+ M@#]W\@:R.(0T3O,+>-FH- -XV2MX#^R)E0*-%^S%,V'@S[O26$W_D+_.2>X1 M_.(KFMNS8%5N ZH+0SJSQALOOTF*>+O+O#-1[[Y)?3_?S\7X%X3=[M+5;8EN29)?XT Z9QZ'W^C\,RL%."AH*YA2LNP3:J M,Q1IKO^%]C72O6II*!G6]S4E*U'BCEL#;R IPC0OW"(+DV4Q4K?LD:@6X3*9 M01*'MJ2[3>MZJZR<1;,VF?1G%/D!!&#FF8Q,50%C8$30N0QN$RG4.:A?% M#*Y5E@DBD_"=)&ZQ3+,BQCN&R;WY$U:5?<,="[R023%4+=:2[W5*$](^$MMF\Q="UVIO+3DZ^J7KHQ_!\%?PFP'4C0+9>XYU(Z*FH'!]1S_\#52JD[:?D./I^+[<]6/UV;U_G-XS M3=(-"-Q1:'PSGP6@^X'?;ZPZ^"%;*DLCVR\;>B-1.P>R[Y2RIXU+,+ZZFR]0M2P,$% @ ^(,=6:TV_** # U2, !D !X;"]W;W)K&ULM5K[K3V M?O/R]-1E:U5*-S8;5>'-TMA2>MS:U:G;6"5SWE06I])/YRTE+H:W;SB9Q_M MS2M3^T)7ZJ,5KBY+:1_>J,)L7X_24?/@)[U:>WIP>O-J(U?JD_*_;#Y:W)VV M5')=JLII4PFKEJ]'M^G+-W-:SPO^JM76]:X%2;(PYC/=_)B_'DVI(/56HS!,% MB3]WZJTJ"B(${-GZ+-$?MD;2Q?]U0_YYEARP+Z=1;4_Q-YW[]>G0Y$KE:RKOOOA M/YGM#RK*1SWT-EQ.'MDPC1NF MS'67-5EA:#6ITP:+R;C"G*S+*)V_Q5F.?OWEC+';H:N5>G7K0 MHZ>G6=S(]N>R=/K+W7+PWE5|\|5V5JWRX_Q146V:F#3-OID\|2_$-=C<5LDHCI M9#I_@MZL%6[&]&:/T'NG%EZ\TRXKC*NM$O^X73AOX0C_/"1LH#4_3(N"XZ7; MR$R]'L'{G;)W:G3SS5?I^>3Z"4[G+:?SIZ@_8X:G]QY?G8ANOWAKJCMEO5X4 M2GPP7CGQ\UKA:;F1U8, [W?:U*YX$-JV63B\O5@RR=5:6/CSKPF&G>]7"@K MTC,VS+DX]B XXA6CDT1L:NMJ67GAC9"5^!'.4'E2=RX]Z'?[SWE_&O9_\]7EM=#JY;E?S?7I](A;*;Y6JA.]Q+:NWB/<+95(GX,+X= M)T(ZX2UB1JG(X_A;G0RYNUO6%RJ*$9' 4^X+"J=5A>]TYE0=I9RD]G8JN@"BQ?&K"Z M=2_%L2;A8 .L=R<[-/;W?VR8%'XN<36;SI/+BXGXY0MD.)XE MDW1R(H[/DK-T?B+>#N1ALFDR.V>RZ54R.SOGXTAKP176\DZ1>76EO08S&?M, MR,U0*FEC>C&^G)W/A5M+1@]R4Q98@&R6/99;"#54=HI7X#K&FY#]N0CCK=K MG:W!.4K$XE>D;?:H_?8$&7 XVB1P4TE_=4VJTOG24+'UL4N_%_.U1H2J=8; M#[+!C+F5VXVUMQKI':%<#B:G8VOILPE"Q!<9E?,(7,A0:.8]=AT*D<1 ZR M2C+(+#,V9]MLM5^SHWME2|88W;0Q,>[I'QSU0X+')VX!C22E[P7[LQU?A=$MEBD[:R(>RU=-#<_8N>76OG2<_(5++FN-:@[|%XJA2M#@&WEIXU?TJID?(*] /Y=,6A]LB)OI'K.O 'N\%(OY^JR%$G_4'>*N.%,P/& MKEFA:KE4# N^D.W?]:C#3 7IU;U7P?GI+D1AO$%-ISQEH1&F0%1=39'1HW/- M!Y$0*&EUAO-DL2L%<5P4S]N0GAN<;$6AY4(7"!D*1|1I4>>T$44S5Z0(B1*! MG$6A72/-D "VE;9>.)UK:;5R.UH*CBRKBJS<*AU,0$KE?)M!6K<@JTW&9U?S MK\5VK2B,&U90;;(U8)AUWXHJWC&YS#NH-K D5R|#'7N5@\ M]',7*YYA;UDH:5$N5G4A;\65*E)!-@$#A5;$1*Y4J?(5$XWL.6DJ9*;HK =RBK8AJ^PFD:Q7[!$>Q+;9 M,$*.0JQ-@?SEZ"7YNP<&)X%Q9'1=E-LKD7M-#N0">6ZO<\EX$4)KG7(K4@- MF6+SW=8KY,F>N*;"^Y QB42HDK1RD#=?:>2]PXEN %1UD+"1YG=H85J #E:XL]#SC6S"/T .*EI>%(JX MGTXX+$E&J)NKI^(8QF)R/E"A[$&!UFF. ^-6&8@.0H[]D2 LZI6M"5J3/-OJ2 M3GF]]0W?ARV^9R*(Q<*@_!8ZHXS2)W8MCJ^;VX?]>3.,SN?;IVRS61[,"X:A|-F:);921,]M#2R':0L7EG8R4L(J0T+Y_1D$%C3@C&8/>5U0">LIZ[!_>0;V[9G4=(3:> R8 M6V\B89.%@A5"W&U4II=:4=&P4!U)KNX(O"6]4B/%]TA,DJP">[Z%'5;/>$%" MP8>]Y*U>U &"'5^^6/RYHH7!@?0AS[BL: /=/(C@4Z>/! MW 2U6Q:N%8ZQ-5A!"7?J8"(E&9L VZY-&V!]\33[?!4'E S<#N:<#NT-MG-[M(P,*HB0PS+Z'?7J0A@?Y8"QN]V<:":!$U34F@U:6C]^:NLBIUI3:#]#C;@2J M>V4S'92E[G@&)U+'HY0LU?1 C1:6E.& DFE]SW&.--"T6)D, ^9I\C]_V4> M1ZD)D/U&&&;2B&?3.,"UISJ?WW^;'C\&##A!R#S7;:+?C?V0[=LLR7EIFIB[O/%>8E60 MDA#)LK:,_:DCKAUUB OZWG*R4TBMX3Y[21)?G)T?EMCUT??3&AZ+=T\I#.2/ MSFF0B>.FYY.D47::7L61$<0/MEBHSBL:/8?*QTUX&T3/LT0\QV?#WEYVP':@Q1-$L[>7F)R5Y MC[3<9I>!(%5 [%N?[E4T#E"/:Y'Y &UA/D3;,?S=O:ROI,]1U.LX.+#SR>D ME/R0Z1"C3?IQ:WPIZ[?>%]^:@RU]6B#$!'$7"(-N'/:?Z+H[>CHYXS M,$SJLK;8D5ZB!4H&C2DE3CX:Y65Q&Z_OX$Z;])!^'3@NW%AXP@]9-=/R\,: MMVZIQ*Q&#WMY X,MV +M!Y>P9_2\D-)3FK".ST'/N\]M# M9C%G?W=/(^%:NS5/'7[LEY1A0NG/'8_2=)+,KZ;#>D2:/;]2*;I9;]_!IBI M7."IG<$V'^(ZDG$NJABE><;6C-()\>A-;^@:WI:]J3G7KO[W#C(=C4)K#D]& M)(Z#:"AL+'N[O R%HJS=3IBCC;J>']R95:6;,B?%BC(K%;QIFIR1'@ (/*2# M5J(M0)QZ0?48&YN/DP<*[M19AK!P%^JPT10+'\#*D"WMRN5<3,=Z:HRX"/J)X3$:!0],%B?U?&+[S*!"W MQ%?MZ/]P5!BHPV9_0G(MQ+3/:&\2-S[T7?^T]U.+4MD5_Z"$- PG";^Z:) ^V MOUFY#3_5Z):'[P@WE8$*0JUQ-;)^.)L%)KHYL:;#?]P8V$\@ -?KI5$#-," MO%\:"G>T '!M+WEN_@U02P,$% @ ^(,=6:EX,\.O!0 .0T !D !X M;"]W;W)K&ULG5==;]LV%/TK%]JZ.8#G$E)VRPQ MD*0;E@$MBJ3='H8]T-*UQ48B%9**D_WZ'9*28J=.TNW%EDC>><|_]Y-7IMG6 M6 [NJM*94^2PKGZ:#RV6<&5L"-=L|+.4IM*.+R:U=C6AD4>A*IRG$XFA^-* M2)7,C\/:1S,_UHTKI>*/AFQ35<+>R5NRT/K:OUSD)|G$$^*2 M, ^<'1/YN^9S+T@.!QDV+F70JO>#F2F:MTEWJ]6_D_&G@>8?@JE!&N2D\D&Y<@:[$G)N?LDY(\R+DNF#5C^= M:^6,+G%J11?*L6'KCL<.BOSQ<=:"GD70] G00WH/G,+2+RKG?%M^#((]R[1C M>98^"_A[HT8TFPPIG:3[S^#->]MG 6_V!!Y,S7982G^=+JPSR)2_=QD=,?=W M8_KJ,;*UR/@D07E8-K>H M(U0\L<@*TDMR!5/-1NK<4H#"H9RD(MT8@JMSE#$6|&1U*7/A=Y=2?95)49)U M6$"E.SL,2.>ZJH6ZIT*7P!/T=C9Z??"*-D,F.Q;0(1[A:H-:5.@S"RMSB58# M4.%H+8"5W332X!:PFEM9$G3D%3IB#Y!L6'?QSS^X2B%1@7;G]+J"FEWZ<(J MWKZ@ZY#30,RYJF,#6(=* /)B\ZIR1Z:H"<.N(#=<$)>8AHY^, MZB"Y_'!^D>Q!&1SW$(P|ALHKB3X)R1I"I" -

*M@@3=9X4T:Q*54QF)8 6:2 N)%O(>8\(Z@8 9OR(GI-!*+I5682>>08+N54AZ MSX4RK&-=3D[ODHI,K;BDL"4RJ&-W"\!*]NJ R54GF(T,D43YP%+D,-.H3+?L. MU)Y:(A*I@>>=5FQ*7_0QM;6.H^*X,ALE5E'JYV#G5=#B&2ZSEFB#RN7F'#" M*7\+) ,.HS L/\8(*&;].Z-LYUZ5 MZAM%6AP*N^H9:]FP;Y@Z2;*1ZH,W#:$*LCF6/P MO->*Y ,P%889SL#+$;W0M"'=1R@4?'19L3L73Y^\FLW.7HO?H|Q4O! ?&M:. MXJC.!7R^JRW*Q:ECT49+X(F>CXR5#D(J4SJ5 &)6EL#BN#?OJW9$5O_#:!% M>-$O:*B?) (*%1]BU=/^3TQR<_C#$BJ5U#QG$YU[&&,:KM5$KV@$'5!C:4,4J78 M>1P9:U8/&P+"O8 ,BI1)U$\DQB$)/"%Z M5-HF.5PO(_%&^D+07:UPE@K{I8Z"K3J W+>VCYO.D%7EK,P*!FZ0^N"Q-G_@ M:ZKL[_'0";Y-)"ND++#N\-38RMGYZ+7'+I:;<[]C>+.1"V%B]8>9[R<]LB9F5 M,I:8]<921RR3SNWB;"JY]7SLXAK:'"IFEGT7LV';I1YT,U+-:.DV* [EK=J", M7(MC)1+!&<^C;MS#+=,-I,D3DW2DML M4\L7UF&GP=#H;BFVA4 $R=EC$B UP-.!M%V3(MM=4J3Z4@=9R.\=V68LW%F*#; <=9O8&ZG7A'O.3T27PESE%LWS)NN,5WW14= M?3_2Q^T]W%@<=M.-!=NTN3I<%,^C&/.6M?<70W@>:>0\SO0N)WX7X61H=> M2>/>8[8DMXY/=B]B?:9W;;?;_2JX2H_A!_'TD^)&NC6*!Z-G!=7)Z.7I +=T M?*:G1;!5?!HO;ZWTN)?4$L#!!0 (/B# M'5E;&D3%V0D &H: 9 >&PO=V]R:W-H965T#%RZ5(5T?5.I$O_ MC2VDQZ5=#%QEEJN- ^JU-Y[T8NGIQN#^MI(+]:S\/ZHO%E>#3DJF"U4Z;4IAU?RN]S"Z?IS2 M>E[P3ZU6+OHMR).9,2]T\7-VUQN202I7J2<)$E]?U2>5YR0(9OS9R.QU*FEC M_+N5_B/[#E]FTJE/)O]#9WYYU[OLB4S-99W[)[/Z237^?"!YJ-FPYCM#HK8RL_2R_M;:U;"TFI(HQ_L M*N^&<;JDI#Q[BW\U]OG[)^6\K5-?6UTNA"PS\ <.K]N*#[7]6GPSRKO;@8SXB-$:S3)/_9I\"Q=Z=I#+8864N!C:<%6DE&'+#(\TM=!V M$_%)NB7@Z'UTW+=<,]"D9@&F@99?M)RU@7S6Q+WT46TJ#F,;]".%L&-';6&G M./F87%Z-:)\# @*5ITMI%[O-9E/8G7.PE)N8H_Z)_2>GT^$XY/_D=/(!L T= ML<.9W;A U(W4((S.Y#IC+8"<9X=)6-2Q" CD$U*D5 "G?A5%F$@/E ^#Q>UZ MP4 &"9@UA&Q<)7'4]G49P#Q3I9IK'S(58$KDLL!MRTP2.;%:PBETE)D$2@,& M'3H/7\U4*FM'1F-T(E^7>F4)2%#/;T+^9SQV.Q#..:XC#9$,[DT*0_] M)4.F-)T>B-2XU90N^+G">OJF 5M:&@!IIMQ.'ZWQ!^13K96>R8VZ%*AT8=6" M_#Y06'T+.S1VC#0V;5F4Q@>^3A55]A4GD%$*$G+1!LW:55$MK"0Z\ )$%*> MI\1 &*FLMBRO7;?QV\DI$2G;L-1BA0])3:2WW*AZJNZ&I]THXE6<[M:U%@,5^C:7*[;/L-M'=MJ.D;_4-4^T9>DDTM4SZZ+2W.94%))Y#JT#<:$MI4 M_EL"AI,V7R?[=#G':IP)",2U5?,\C$-4SI:6 ;VE:SL6"&3#CY1/ M;M!A8@Z%NID?HKRVM*8TIX9FD[W>2-K3 A:2;RR:;U,]:#),T.G ,:<4U(R"!:RI;3-2 M1*AV"@Q!$6>_R8\ L06P4='>T+^T9[]006#;CL/IP*BRI%FS,C40N.D2)]52 MXM)K.ZZBPPN23+2)F/OMQK;IW@R:D^QE6Q(B0@D+AUTP0FH.]<W*64S)B/$Q[UQ9.+\26?W_;I(S*HHWO]VF4TH(//S!83HVT"Z;W MP(M'N^/V0X3XH()1P*IHTBS-_S!LRZ#(K:@9?=,@ M#EN5GQ7J8>/N1GU-YP MJM4Y*5E(F]&";3'A+R9/BGI=-HX,LTU/"W"PVBY?Q#=5WXM3OD8:V]'_\#AV^NWUHK' M1KXDAF]/:="[<4(:H%!,DJO)!-\,DO%-\TRKFWNC(#5;PLPZ28:C2_'0A'D_ MN.-D.IR*47)U.8YM"(\TLBT+1LGXXR5_#S]<,!:ZB2,Y-'3&3:\;5:-!=(/B M0UZ\%Y5[<9_R?+II&-\RFTO7X-M=PT$R('Y2C);YNGWC&Q+\UG^_&YK?MF?. M$W2C9#C^NKL;QG>=WC'?3R;"!P71ZV?QZ.C+>B='5I!,>_PXFP@ ^_M%)TT8DX:E+77AQX>#Z+G_X4"!=!;#IK7@,CP*I" [V[U(>0CO#$;+PUN87\$@ M.+*C(FX)\TD"I+"_ _/:%]+T\BWKI_K]0 M2P,$% @ ^(,=6&ULC51A:]LP$/TK0H.QP8@=)^W:+C$D7<F]ISM93/(.V =7 R! [;)1VADY4Q#R'X5LYY&@H"!04&!4'#%BY!]2!$96QVFGS8,A /YWOU+[%W MZF4E'%P:=2]+K.?\C+,2UL(KO#7=5]CUH6EV9*]@ MD;H?Q>/N' X(9^D+A&Q'R&+=_4:QRL\"13ZSIF,VH$DM3&*KD4W%21U^RAU: M6I7$P_S.KQQL/&AD5UOZNEF")!L6DV(GL>PELA M+;CDPK6B@#DG&SBP6^#YVS? CT_33D5]G0ZW38^JO^Q_)=Z-S]^S_WN^:U:+ M+3#8"N4%0DE&'##08["VQEL,%YCJX0A.[PCB]X^3_#^;$;H6MI+.,05KHJ:CCR>&ULK55M;IHP$/XK M5E9-F[22=TI9B%@(TS:I;$RKK]MDD![&;V)GM0/GWLYV0096BJNN7Q'=^GN=\ M9^LNVC'^('(B1[+@H)E4M9C6U;I#F46 Q8!53MK!DOL50FW\BBXH S0RH+ MVW.2D1*H((PB#NN)=>..YX'&&\ O CMQM$8ZDQ5C#]KXEDTL1Q\(M"DBE5L#]MX49%(464L?XTVI:74A-/%X?U+^8W%4N*RQ@QHK?))/YQ!I9*(,U MK@MYQW9? H%2]#$<<39#G&-5FIZ8:IOV^I>A.IW MLI1<[1+%D_$"[]%6H 5P\^9H"D8R@(BV8]#F@2W2_3-'"BX_H A&*?N:L%IAF M(K*EBJT5[+2-,VWB>,_$\=$MHS(7:$XSR'KXR7G^\ S? 5CEWB7N'Q*?>6<'O M-1T@W_F$/,<+>LXS>SG=[TOG_Z+/7QW]I!A^]PI\H^>_YA7T778C%_3+Z=XV M%A5.86*IYB6 ;\&*W!]SA\[GODJ_I5CREF+S-Q([N9.@NY/@G'K\0PT)=0$" M82DY6=42KPI DB$_01O3VN?!|L M-+H.3V%)#RSPO?#Z%#;O@84CWQUVL*8.]E&W*H%OS)@0*&4UE+^890@0I8]U#.X$HU4]Z,DL:0K#*]GVO$)3X(M^;Q* (U>*L95XI5:UPO? 5UD)%58C40,W3W(A*ZS-5!:^JB5@XI(]YH=!,/_K M3+F7QFYM(]-8-)1#AN)5%-56+ZN@(E#XHV!X*6%]6V"WX:U!B 1]_ZHTT M.[^G$%H!5U1P)"%/O.5XL9K;>!? PD)!G8R1K60GQ+.=K$GB!58(&&3:$K"Y M[>$.&+,@H_&[8WK]EC;Q='RD?W6UFUIV6,&=8+\HT67B?? 0@1PW3&_%X1MT M]4PM+Q-_N2LZM+'11P]EC=*BZI*-045Y>\$$R+_YOC'K]<*CWBH^?S>>!9\&E">|\F2(GFX;!F@<[*:WXU-MM"2BUO\?0YBO"%]R&F6^YS7NW^=4'-^PWS+WHYY_T MAPIDX;J@IEHN&Y:1;_:-]IEVU_^AK==^@'+@G*%&.0F-1C-5C>N4;>=K)UK4 MKMOLA#:]RPU+\[. :0/\UP(?9S8#?K?3_H'4$L#!!0 (/B#'5ESL^6B M10@ /H5 9 >&PO=V]R:W-H965T);-5>?W?8^'.X#M4MIF7#)+&]]DR9MJ,S]>+$[GM=1VY MF!Q-N@>W>EU%>C"_/&_D6MVI^'MSX_%MWELI=:ULTX*KU87DZNCUV_/;#TO M^$.K31A]%N3)TKG/I.7G\F*R($#*]'*2!8D_]^I:&4.& .//:'/2'TD;QY\[MZQ_8=_BRE$%=._-?7<;]8O+31)1I)5L3;]WF'RK]\XKL%7GNW49X6@UK](%=Y=T IRTE MY2YZ_*JQ+UZ^E4$'X5;BQJN@:)0!_ 8SXK=*H9 *5S?2;K5=B];*MM2TIG#(MPWIT[!UU4#$#X MP=$;X3RCS;]?IPB,?LP_;-3S9ZUSQ^VG>4?9^(*O@6]MGJE"VEC I>#/,2' MW +E:)#KY])$<+UKO$52Q51)&1B4"^,(Z^\)W=)&\(3E;:N/4C\D9 M09GSH=+-D^5=EI^F=@LU\VHZ]HU1 M@^#.EU\?+>):3$OKAM'?2]/":;^RK50HLD0#Q,\@42-U^8(J4#8Z2C--0N' MU4.AP@Y;#*5P*TO.26TIDT3"VQ3?$%'5\,=F#[\:D>;%0F-+[GM;'2L.N&A4$ Z8*0QB-):H6M# MC%F85-,U.F#YW3(0'D"KZ1_O[JZZ92N+P??FJS3X$QKP=GS)9%8"M*QT+2 M=WMP*R/0-MUVNMD#RY@?Z.$4J^56D%=J4+5 M2Y3?R1$/T2=]_/A+OW<82'X;= # C5;W\)_5ETR7.A1H#ZU7CY%Q77?6_L-] M4I8(&MR@E-3RLWH6WD&/*!? (KT&0D*69^#FQRC7;YD&\EA;W1(1(DO%O(S\U M 1]*-\CA9CR5AV8[SAL+|[T%ZB V5"[QB1$BS!OM20S5E%OY_G$=?Z(E=3> M;!GF@ (M5Z=;!U;AVOA$\))<%#)48H7+5;7S-U, MYC *:I[C=$5=?!?*)_BM+.4/>AC96' ML'&=Z@=1IYMK*AO<.U5_[V0V$T6[;&MD5]L2'8=>*W2=HSL,H5R2ZC>(%!$Q MG[9]0;H$C6;^EHK%T4"86C\:5_,E1'#RNCNI?*N9A:$X% [LM:U ?; *1H] MFIA4OY/S<0D>4K337M%.#TK1+1J$Q3ASFV:9?7IVV,@U16,YOO/|H@N:[N#] MU1II8AH=0'O6HST[>- 'U*;X@^>OCYBF4,0[+"?$APU=4ZE2(=T3[6+* P]V MI6BC-OI+-T=@6/F,>0T:Y9VD$0BEEH[F3I&G0V?N>48JZ1]-FA)9Z=!M M2%\S.IH2GP(K<#=@]J^WBXWST/]Y6?LUO'4EYX%%Z-=<_[5]L7]7W>,6F'K M8G;&F=^G-XWI2W0-O]U;NAA=S1\K2*CRM_" 4Y/HOM !_>O>R[\ 4$L#!!0 M (/B#'5GZ'H*&O@. * (9 >&PO=V]R:W-H965TS#=C9NJ5(6R-)NP_#/M#2V2)*D2I) M1[X_/1UBC]U12(%KZ70IIY4%A;3:/(9 66S)RK M"B7M;)4NF:6IWD6FTLAR[U2**(WC<50R+H/%S*^M]6*F:BNXQ+4&4Y*G$WSRWQ3R8!)#CEM7"WJCF+ ^SX>("9$L; 0M/9Q@%DM;&J])P) M0T/2%>76:MKE MY& <7R^Q;S0UW&3/T=9@1MW]\K7L\A2:&<095V8511LF?2',&*HXH:0L#?\@<\T/_ MB"#UN-)'7*OT9,#WM3R'0I?Q"&J?+$_$&/<^CS=X(E2I- K1B#%RJ<6GA"TI;:X2V^DY"_RPWQFH2TK',M0"&I'X'Y[7U%0L MPWE M\>@OL=@\>LOR3C^[02]84]O>"KZXI8N:UX+!+6%&\$43O+_,(>KG#CP M+:>AIVI:KIKFCNZKR%%YQ29NJ-N1L7L-EK35EJ@L= I>9[',N=Y Q4SP=16', MDN$$SF R&,&5M$SN.%V9SG$*=YKE")*5A,,,DG XN8"U5GF=$1C,"JF$VCU M&HXF,9W]KC=[>MR#SX$I>&5@0 ?<*4O)XC\> ,-PF(S@3Z7RA@L!XW"43N 3 MT=2]Q<5HOZY3]GBF:DD[%7M@/A3EBV69KO$P;V=P\78(UTKNAWCV4Y<%> ^G;0 M8=I? 3<*8^'U$^ZPFQ#T)D_$83FA[U&M][-/:?L>T]$BMC5.%]8GT9[>3MD F/['GA#M1*]MQ5W53HFQ*@ ML9S>&-JN#6YKE^5[5[O/[>R:;_ % 6J-CHB)AO*"H)#Y6AFBO:Y#/SO=& UXM M;0/I5_OVNVR[SI-YVIL_,+WCU$ $;LDU/K^@9,JV!83JRK?@S;*$D _+.@3 M K4SH/VM4O9QX@[H/TH6_P-02P,$% @ ^(,=60ACE9RP! > L !D M !X,"]W:W)K&ULK5;;;N.V$/V5@:LH$H"-=;7L M-#'@9--VBP8-DFSI4/2!EL86L9+H):DX^?O.4+;L=+UN%NB+SZ:NSEH'1N=3X+4O'"\/IQ4HN M\0'=Q]6=H=FP1RE4C8U5N@&#B\O!+#R_2MG>&_RA<&WWQL"9S+7^Q),/Q>4@ M8$)88>X80=+?$UYC53$0T?B\P1ST(=EQ?[Q%_\GG3KG,I<5K7?VI"E=>#L8# M*' AV\K=Z_4ON,G'$\OU9?TOK#>VP0#RUCI=;YR)0:V:[E\^;W1XBT.T<8@\ M[RZ09_E>.CF],'H-AJT)C0<^5>]-Y%3#A_+@#.T]\G/3>WS"ID4X>93S"NWI MQ= 1*N\-\PW"58<0? 05A!+>Z<:6%FZ; XK7_D-CTE*(MI:OH*."O;7,&<2 @ M"J+D"%[.@A^/L$]Z]LDQ].D#E6'15@AZ]17R8K<^LQ;= MWOPW)>>J4NY%@&P*N,<I$K<@ O)M(,F!?8Q^J=K& MIJJI9).C)2O.@LX7^_/U/N\LI[3,<2A7XT%K-$@VRJT17W#GL.):L"5NK7D M8$_|?(% !RDVQ!'(K Y) OO8)*)),EH$:A2";93CJ?D863\!3"(LDC(+ MA,F>Q39!14@GT2DDL8CB$22!"++4.WYH]HM./%Z2V:EC<,"*)D]FDA5 #Y3 M@[5L1$IH5U(6>6L,-CT'WOC=;VP6-$N!6UW!5[\@3(IF]<=QCN]&(AUGWO5= M*I(H^A;Q2: 5^G99TNP,$1F:D2<5R0[OB MKNLH>X: M.W)C/W!S]E>X9 FO9)D+Y,,@3H7_8!;=36#X+P/3271^$]QD+8Q:]H84MP0H M[:L6\.C)[7]MCG>%5_Q@1]U2Y9*K? C0283:A0495,DG@YO9F[G$F4]KR)!3A M9 *SN]DU3&AE1*U])$$(C]K)BCM%2'6>1CR*QF2;P,=&\0UY<$R;*?E+[6]9 M'U3.]1.>0Q1OZ=]\%OSWH'L8]:O] MLW+6O:9VYMV;!%8:NHT6ER0:W"64=V9[IW739Q>^;<5]2_Z%OMA24LC-&Q M^PNMW7;" ?K']O0?4$L#!!0 (/B#'5GYJ&?DIP(,\% 9 >&PO M=V]R:W-H965T=W<=Y-UTH_FA+1PG,E M)EYI;7U) A,7F+%S*FJ4=+.4NF*64KU*C"U1E:THH<1B.@HIQZ673=NU& M9U/56,$EWF@P354Q_3)'H=8S+_*V"[=\55]W$&33FJWP#NW7^D93%O0L!:]0 M&JXD:%S.O+-H,D]/:],3@.EDH]>B2]V+FA4X0"LRM8V#T>L)S%,(1 MD8R?&TZO/|(!=^,M^V7;_.6R8 ;/E7C@A2UG7NI@4O6"'NKUI]QT_0\>5* MF/8)ZZYVO.5Y8ZRJ-F!24"9O=GSYCOL -+P#4"\ <2M[NZ@5N4%LRR;:K&& M[:]S05MJRV:Q"I+N7.:MKEA+/9E7Q":97F:.#XGBT$FI-I8(G9[0?YAF7> ML<1OL(S@6DE;&O@D"RQ>XP-2U,N*M[+F\4'"+XT\A4'H0QS&R0&^0=_FH.4; M_*?-%[C@)A?*-!KA^]G"6$W_Q8]]'7>$R7Y"YY6)]5F,_X_,8% _H9>]?Q>- MPH\'Y";]W.00>W9'WBL:@:"6<*Z]6DE2;URV (AJ&?C$.B! [L9'EUA5 MMY9=*$L#U+FKBH70'M+Y6RV\0=T,_P[#=02P,$% @ ^(,=660SH0ZH M P R0< !D !X;"]W:W)K&ULG57;;ALW$/V5 MP;9H98#P7KD75Q(@VVWJ DF-V&T? BCY0NY26")=42*X5]^LSY,]*DRA&T9== M+*(V>#&_%MG?> M$"_G.[;E=]S]L;LU.(N/+)T8N+)"*S!\LXA6Z<5EX>-#P)^"[^VS,?A*UE]_ M]Y.;;A$E7A"7O'6>@>'O@5]Q*3T1RGA_X(R.*3WP^2B)_9=0.]:R9I9?:?F7 MZ%R_B.H(.KYAHW1O]?Y7?]B'>KY62QN^L)]B:1Y!.U]GAP,8%0Q"37_VX="' M9X Z^08@.P"RH'M*%%1>,)=64(@2[+B!;]\6'D> ^/+_5_FUL*W4=C0< M_EZMK3.X?_XYU88I2W$ZBS]3%W;'6KZ(\-!8;AYXM/SAN[1,?G]AAN)80_$2 M^_(.SV@WHFB].5'" [ZIG!NY[IN'IV%,%O)CB= $K!@<_+@>/?#8""4?)'YJY0P$PJSZM&B(GL&KXRV%E9M.PZC9(YWL!JT<>)?%NZ$-WCK M_8>0FR^%XR%U_6=2+^_]'%;48K@,4- N+G87O@::DSBLC*@&L?;7FFIMX!0E(32&F9I09HF/_-5>W11$9I2 M-.W.0384)16)J1NFK@ M%MN@'+3:8JEI0VIDFR&DH,A>D[QNO)5BI+?F-/'6+'LF>A<8$%R2HBA"@KK, M, &A=>:M-,DG:Q:L99T>MFM#R@85E20IL!LY*2G&YZ1*4Y@UV*+,&YNT@7OM MF/QZ3_D&5@G"&M_5%"O*Z]RWE:+$]@SNFM1(%]R8IZZ\N\3^XXXZ=2CC9]\W,5B@+DF\0FIQ7- (S/1S3Q.E= MN*S7VN%N"L,>WUIN? #Z-U]IXE/<'R]EQ\!4$L#!!0 (/B#'5FV6W8] M@0, +D' 9 >&PO=V]R:W-H965TM* NQ<4 =Q:MAN^E#T844.Q466N\SN4HK[!9E94BR;R']0 MN)>9,V>NN]P;^]F5B!Z^5D][551Z7U_%L5"]5)PFR2*NA-31>AG.[NUZ:1JOI,9["ZZI*F&?;U"9_2]:1(>#![DM/1_$ MZV4MMOB(_L_ZWM(N[E%R6:%VTFBP6*RBZ[G5S8SE@\ GB7LW6 -[LC'F,V]N M\U64,"%4'E&$/39X6M4BH&(QI<.,^I-LN)P?4!_%WPG7S;"X6NC_I*Y+U?1 M900Y%]D1_L'L?\?.GSGC94:Y\ _[5G;^B"!KG#=5ITP,*JG;K_C:Q6&@<)F\ MH)!V"FG@W1H*+-\(+]9+:_ 9@69K0>!%<#=I$JFI.RJ.W="M)SZ]O\0Z=IRA[M:T+G\-%XA ?,4.[$1B&0%W1OO2P5N=8_Y_ M_9A8]E33]6;]"3@^T:/89J(.G5W2V0F\:>_Z-.!-7\! [^Z61_AGNT)$3[1N+#OZ^WCAQJ8;^.1:)UM#LN"'N]RM7BPQ7$36.0[O#:/WS3Y-% M\ML)-V:I&[-3Z.M'ZM.\H529 CJ7!KX<8WL:[ZE$*(RB;15Z"SY40=NR\E* MA&DLR!Z?.D(]G=&Y<$R %D!9V0C7D7IJ,+@FB^_Q!IBV<3<[I(F_)^.%.K 96G@% MZ<5HD4QYL1BEO\[@@]';7]@,:&XV.VBV[)S)SN;\/YUWH"SEAF)#$>;P@ 4/ M.?)&6"LH*8/]9'0D,0?A!^Z,(22YWW/#0 M@6T?BG;C31V&\]9X&O5A65(MHF4!NB\,4>\V;*!_K=?? %!+ P04 " #X M@QU98&D\[7(# W^ &0 !AL+W=O;-G:, .QNZ$=5BQ(NO7#L ^4=+:(4J1'4G&R7[\C M):QJZGC[8O'E[KGGWGA>'I7^;&I$"\^-D&85U-8>;]/(E#4VS-RH TJZV2G= M,$M:O8 ,02.KO%(CHC2.\ZAA7 ;KI3^[U^NE;]W@$N\UF+9IF'I9H%#'59 $ MIX,'OJ^M.XC6RP/;XR/;WP]WFG;1@%+Q]7A2H+&W2]X2VXW4R?O!7[G>#2C M-3A/"]4^N\W!:A7$CA *+*U#8/1YPBT*X8"(QE\]9C"8=(KC]0G]) ^\[^5(P M@ULE/O*UJM@'D"%.]8*^Z"_[[#WQQ.LE3#^%%2C;#$[*96NUC7P&2L M0(D[;@\\@20/TTGN%EF8+/(A*)8]$]4\7"132.(PFV7#U4&KJBTM')G63-]7 MP;D72 AC FF8Q'G?!ZQ7&@<@C<-%.H,T"V?S*7Q4E@DB,)E&Z3QUBT4XR6.X MD.WID.WI_\IV Y9J+WTH/YV(/^ 3RA9]3-[+LM5Z?+M5QIZMB(M&SU?$MF9R M3ZY3XE3]2H70EDPPED2)4+6:RSVEFZ]\/T/3O0?HWH,S930^^::,$"C<\]-Z MO@:8]"2H9 O<6]2_4;R.)\-@,:/E8@#1LJK895"%=).)O% MU^Z]2.D]O! T!T].NXK@QKAPS*=S5T+Y9&S8>8ZND49FNSISYA=I^Y%EH%2MM-V]/IP.4_&N&P9?Q+N1^H%IK@ M1T.A+ T:OZQILJ-V G2_4\]>-L[|%]A_0]02P,$% @ ^(,=69/_=CUO M P 50< !D !X;"]W;W)K&ULC55M;R(W$/XK MHVU4@838-R!<"D@A:=6K=!6ZW+4?]GXPWH'UQ6OOV5XVZ;_OV$OVR)6@2HCU MR\SCYYGQC!>M-H^V1'3P5$EEV!'I7'T3QY:76#$[UC4]VMEI4S%'4[./;6V0 M%<&IDG&6)+.X8D)%JT58VYC50C=."H4; [:I*F:>URAUNXS2Z&7AH]B7SB_$ MJT7-]OB [G.],32+>Y1*5*BLT H, [I;1;7]SGGCI8/"'P-:>.C,$KV6KJZ"?O MBV64>$(HD3N/P.ASP#N4T@,1C:]'S*@_TCN>CE_0?PG;21$\HGY<$9VA7DYU9K;VE6B'B]@1L-^,^1%DW8%D:X#,X(-6KK3PLRJP>.T? $WS/*GMAMM@WMAN=2V,0A_W6ZM,W0C_CXGML:,G,?R M57)C:|9Q&5$96#0'C%8__I#.DI\N.)WT3">7T%?H',G+L)]*I!*2S&$!M1&*BYK)$32*59I. ^(>6Z2|C,300UC9, M<02NK;/ 5 &<&?-,EP0.3#;$@UG/C[*$?9:"W3URK+9H($_#:@XM4KC)?*2$+@W0(5Y"EDU%^/:=1GDU&|^L$/O\/#8-|_ME*3)$;3T32=#.'NE9X FX[R68!-WXWRZ2PMOH*S#PW=$E&*9=?U M^M7^S;CM6N4W\^[!^<#,7B@+$G?DFHROIQ&8KHEW$Z?KT#BWVI',,"SIW4/C M#6A_IREQQXD_H')5 ,\"$L#!!0 (/B#'5F&PO=V]R:W-H965T.[G__GB_^=;*7ZK3-$ M [N'"SWU,F/*L>_K)_"Z7-9HJ"5M50%,S15&U^7"EGJD@KN1T$P]N6"R^>_MN'=W*I[(RO!,! MY\BY!9&,/PW3:[>TB8?C/?V3IYUJ63&-<\[_YZG)IMZ%!RFN6<7-0FX_8U// MP/(2R;7[A6T=VQIYD%3:R*)))@5%+NHGVS7G<)!P$;R0$#4)D=-=;^14?F"& MQ1,EMZ!L--'LP)7JLDE<+FQ3ED;1:DYY)EY@BM3F%4>XE>+=7 JC)*>H#5P+ M@PJU@H[$N M68)3C^Z)106 7OSF53@,WI]0W&\5]I 1XR5=R[2B=LDU/&_>L4*.J3)/ZY^ MGC&Q00U&@LD0YK(HF7A]V%Q.[^F6\&92|#22MF];83.=U#4K4?;>]#&8=LX M8"*U@QXPA8T? Y'\I:F5-8@Q+RC[\<)ZR.[D@QIPT%72WACG0K-' #$$VN1!6 M"1U1B2]7*;R&Z(QLBIAV6@8P"W9'9=:0R?L]K0N8RZ[C2+TGG% ^,5 NV% MNP0IBD)4^K10NNU<-2#B$#WB@G-6>TPZ2 ^ZL.18AKA12/*>Z:*# ^%]1.'"* M+@$IO';7&Z;H5#1P7%-J<#X: M>*!QZHG11;.)5;2D.>X848FC\H&T/I:2K.?V W:OXWX'U!+ P04 " #X M@QU9[X&-CY\" '!@ &0 'AL+W=O5-E(I0(TJ5H'2$!\<)+8LVQ@^TL';^>LI-F M073E2WSVW3WW7.YEWDKUH$L 0W85%WKAE<;4.], 7:0D5U1>R!H&:7*I*&KRJ MPM>U IHYIXK[81!, (HRX25SJ [96R5PVAC,!:T5T4U54/:V RW;AC;W#PQTK M2F.?_&1>TPCV8+[6:X4WOT?)6 5",RF(@GSA+<>S56SMG<$W!JT>R,1FLI7R MP5X^9PLOL(2 0VHL L7C$6Z >-Y)BP1=D8A5J&? B;9&)D^ MO%UA7AFYD1766E/WN\|NZ9:#/I_[!L-88S_=0ZXZR/ %R FYE<*4FGP0&61_ M^_M(K^<8'CBNPI. 7QIQ0:)@1,(@C$_@17W.D<.+7LJY1 KV.:_I$[:8(4NE MJ"C R3^66VT4|LO/8\EWV/%Q;#M#,UW3%!8>#HD&|0A>|N;5>]!*\.$/[IG' MI]"3#0XO$P4Q-BF(+J4K28& M-7I (AV2@(X$SFT]"\%^HSYKE(- -U,[$)%1C3;D:IK%[#M0K#8T!?;F0Q? MHAFY=[[#%GNVV"#:<"-$9HA.GFM' MM]RR&^YQ\|VY%WE)5,*$) MAQQ=@XLK7"JJ6SO=QR_[Z'W-7::F0A#WV1>!D>SCDSG)WSK38/=D/DV%,IE;WH;9RKSD8CFV^H MY'H*U+866E3I68]L98@7X5 I1TD4348E%ZHW/P]KMV9^KFLGA:);PVQ= MEMP\7Y'4VXM>W-LMW(GUQOF%T?R\XFM:D/NSNC68C3]40I2DK-"*&51=]"[C MLZO.VP>#OP1M[:LQ\TR66C_XR>?BHA=YATA2[CP"Q1\C?2(/1!#<^-YB|KHK M_<'7XQWZKX$[N"RYI4|:?A.%VUST9CU6T(K7TMWI[6_4(0.D.YEK:\,NVK6W4 M8WEMG2[;P_"@%*KYYT^M#C]S(&D/),'OY]+@Y35W?'YN])89;PTT/PA4PVDX M)Y0/RL(9[J<< .OB/L?vEVIZ8M-MP0.[GG2TFV?SYRN,";C?(6[*H|2]X PF[O6KF-93>]H&+__ B.==XE.^^NDJ. O]=JR-)HP)(H&1_!2SNV:5:Y4(*[M/|D//'X>\WAF@O8&PAGO873H1B M;J-KRU5A!XR>Q0LC:P0$%WM+S[NX\"U]$->Z<$K;/2LD ;:5-H$9=@O M["29#I)LU@_#V6!VFH7A.,7J:1AFLT$:3_H0M2!4/0^HM/H A9W1$M*MF5". M$&2'4E10607H1RYKPDY0!AXA4CDWYMG;-WLGI[CV))XFX3?%;S*)^F]SR'59 M ACO/G]H"&^T+,C8ED::31H:IX-H,MW1&*?)CD8VA<$U*8UBT0E[2,9OWH6!! M8_Z(S*RI60>'VEF'&'@.[|_-DCC^>" P)W%__"_Z+$[CP2Q*6 R/3J-IF*=Q M',99FKTP?\ MIIS*)<1'8 ++X9':E'6U*?OIVG0)S3O)%Y371C@!YC=/08V"K8PNO0@5TCP\ M&QSZL1(2]F!'G3A2X+PO'Y=KP!?(@]4*H4:(<1=:'UC\?VD] M0/99GTE D<]#=M\!'*_\Q^O['8]B2]F|+E

*&ULS59M;]LV$/XK!W7H+,"+)$[VY=0VD)<6 MV[!N09UN'X9]H*6SI44B79**D_WZ'2E%LP<[*384VQ>;//&>>YX[GG2SG51W MND T\%!70L^]PICM>1#HK,":ZS.Y14%/UE+5W-!6;0*]5S)*#>%L89@,=OR#2[1?-S> M*-H%/4I>UBAT*04H7,^]B^C\,K'GW8&?2]SIO358)2LI[^SFNWSNA9805I@9 MB\#I[QZOL*HL$-'XU&%Z?4CKN+]^0G_GM).6%==X):M?RMP4Z^Q4[/R,)ELM+N%W;MV63]0=9H(^O.F1C4I6C_^4.7ASV'-#SAP#H'YGBW M@1S+;V[X8]:D#10]36AVX:0Z;R)7"EN4I5'TM"0_L[C(LJ9N*FXPAY],@0]N M9$WE+6S>[Q%^D%K#Q:O*M3^+# 4TCH&60=_ V<*S$!C>"^*%32)%3ZA&V!4>WYLB> ^E^Q9P.|;<09Q. 06LN09O+C7'SN\^ 3>TLCLKI!5CDIL #6\ -:5Y MA!^E0?CU8]6-HEOSVS'9+6IR'-5VTKG>|@SG'N52H[I'; _'Z530.WSS#.>DY M)|^A+Y;4F7E3(<@U?$[]CO% -L)Q_K<%0E9PL4$-I0 *1OU0<9'1GICP/2;2 M,G54*% :X0N :UK*B5X, ^A]M"(1Y<&*!R8U]N&+BPLM%_4/;6-I MOQ_B4)4%9,-I,FXCC#K#.(E\6)8/_WE"KC'#>D5"NYS$EF"2#$?CQ#&.DL[M;)).YR0=Q]G-Q]1WZVGT#W/RPC6)OTA6/@KZY%7E'_33-++2)F%H#=`4[^Q1>"*'I:]PL!&]V$2,7CI*F41>|/_ M6|M%+1M+0F%6<:W1+=4F$UTK6+[:G(3[O40<1$8VFD)XJUL8<.Q$C-,I_3YY MVXLQI;J'+USE_UW1_G[IF5.94"LG>W6+6=H6+AZFC'U.X0B!C8]%84I;5@R M^A(U8_1R8BRDNDW^;=D&W(=CWZQ@;^:H46W<9*6)(&EIQX_>V@]O%^W,\M?QM=O*C!MF40D.%:W(-SR8C#U0[3;4;([=N@EE)0 ,06Q8T@**R!^CY6M('N]O8 M /U(N_@34$L#!!0 (/B#'5EA5B0%^ 4 *P. 9 >&PO=V]R:W-H M965TR53=QO&'8BTU*]YY[[]?(LWMM/MBU4HX]M$UG MSR=KYS:GLYDMUZHM[$N]41W>W&K3%@Y;LYK9C5%%Y97:9B:"(0)FU1=U-+L[\ MLW?FXDSWKJD[]![!^WJU=O1@=G&V*59]H=POFW<&MN]F(4M6MZFRM.V4;I?ED'IY>QB3O!7ZMU;W=6S/R9*GU!]J\KH7_O?8_U_1NU]<<3+'WCK=;17!H*VIX;IXV,9A3R$+GE$06P7A4M>0^&/,NKPA479T;?,T/20*.%=]5K@US=45(6SN!M#3UWL5_KA-BQM]V08(K4_MR4VQ:)2=GLT<+)#VI+NN4M67^C,P&^F)';U+<13P MA[YIR:*_Q$(>00O&MV-/%[T#^Z^5QMM7-VMV,_SI74&Q?"(7<'-'D8C1KF MU&Z*4IU/T!%6F3LUN?CFJS)OCW"58Y\I[/V'+3SN! M0SXK9GN#<,$,(4W"B=1[98,VBTCB#$'#+W,U9S<>M<[^D!=>W=2=^"C>PM!=:CJ8)4M[JS>]:-RG+/QB"]WT$;+OF8RHVD08)$$ M/$LE%AE/4X' ,.11+A'V"A1-731[>HGD42O8D)O(!"S")F."BT2R&^T@.62-M0KL+F_6($1>QQQ89#W/15SR,R#[>)4!Y+C(+Q/BP[\^_^>]1R>%?&!&K(.=Q MG@]$9>ZY)US&^>&XA"+DF91P]N=9%+*82QFPG(=)6_ : -J>B*+3Y!L[7LE3:0'BS]'_UPH+:?I/51-K_$_ +OZ+LA#;M@ M%(^"\:0@GR:B6B$XM8\#HK*+NQ!'UH$ = \4J[*)BR*X6O0:FM MO!WY$PG8@(AQD1-3M$1*^S#@"1&=MS39_WJD)7B 6 ;>0!D+??F0AZG9*^$AQF@YN7''BX.9R348H53DG6U MZXUZ853C8SHG5GHO8U#X;V5GE*8@=]U6]&2"$&C_IF#!MU26Y\A'DFO@$)* MO -Q-NS3*)YB$&!Z]"6L4CN/]K)T,""\V2CS\X%RM= 9S@F#K70G("&A@$6*!*79-.!0T1,)]8JU"8U60ID#X AM*!$,$J4?F? 9" M.20^E(N]Q'8.8/JYO>E&MDA70]M73LFZ\R$8IOQW!!,G&-(JO8W.*@X4\3KY5>F6*SKDLVQ]W"'CK''#5Q^"QV MZ",Q7#_]O]#'#5%I/)5BI++Z3,6HE>]*2]R?3NTK5:IVB;Q%X6YR'YW*3^39 M+UU-+;)PZ!3Z\&4YST4X?''32#/)9I8R]'6:[08[#?"8QS+U$YR&9,@.Y7.V=X-HE5GY>Y)%[_:=&RX3X]/Q M*C82:B?ZQ8=]W(^%6=7X^#?]%JK!RQ1Y.\/=:-@XO?'WD:5VN-WXY1K7265(M .JOM7:[#1D8+Z@7?P-02P.$% @^(,=675F,/I8 P # D !D !X M;"]W;W)K&ULE591;]LV$/XK!]4H$L"(9$E.G=0V M8&<=N@$%@B3;'H8]T-+9(DJ1&DG9R;_?'25IRN9XZXLIDG???QXO/-L;^PWM5R%Z>*Z5=O.H\KZYC6-75%@+=V4:U+2S,;86GJ9V&[O&HBB#4ZWB-$FNXU(M'2UF8>W>+F:F]4IJO+?@VKH6IF6%RNSGT3@Z+#S(;>5Y(5[,&K%1_2_-/>6 M9O$1I90U:B>-!HN;>;0.CB'9DN[DOS\&=MVWA6ROU%H0NX?.S]+!D ML:1_@3OCO(.+()[%2"YGL:>8[!D7/ZJPT_?P+^&KT;IRL%G76+YVC\FKD?" MZ8'P*CT+^',KKR!+1I F:7X&+SL*D 6\[^|+(!*>"P/&DAT)MR35:407^< M4J +D))\.P*_JUC6BP'E$S|:AW6&T^/!N?)U\.D, _/|+/SZ$O'NF5EJU",!MX M^RCA%D]1/PM^FOI3A; QBEXS1_&<&-!8LY,E"56B%U(Y>]Y;84LVI*](%96PM6^3]PEA*B,!2U*;5E&6^$A[V:!$<>]]H=R]]!85P%92=OZ?@3CY#W2454R(@#E>R$0A'L$KQ:%I+P;E:!8V*PK:$H*182\7Y;K$QEB63.M@61CNC M9!ED7LE=$$,0KEDM,U_]:^%"T+RE6D=[;G+?]B_LH55CT\RK'$K=>|(,1JT MTI3P'K+139;1^.'=-!VGG_K7*7716DO\!B+U+A?99'Q);LEX"LM>YG^+FXZR M)(?QZ.8Z'7)@'%+X%8/Q*/TX#6,RN0;.!8<[M.PR H^62I0(Y7:-&C>2PK$D MAJ L8-TH\X)(HKK#+=5=BAV2+ ^N0I?&7)G!&^\|)AI=*("CQ7_S=NTWD:]+]X M/B!U.1N(.[!7+K_=+1V0"0Q+&#P2DU<+WW'!Y_:>C!!0 ?SOL^RP_Q458L":I&*@'&PO=V]R:W-H965T>AMH#&6K<.[1 DR_IBV M:.MM$)%$EZ3@9^N%[I!15]A4N O3&)BG=G[R?M>*>CYGLN[N060)&'/"ODPMDJ55ZXKDRVD%-YPDLH\,J:BYP][(J-*TL!-#5& M>>8&GC=S<\H*)YJ;L2L1S?E.9:R *T'D+L^I>+R$C.\7CN\\#5RSS5;I 3>: MEW0#-ZINRRN\/=125D.A62\(+6"~>]?Q'[@38P=_S-8"];=&RX3X]Q M*C82:B?ZQ8=[W(^%6=7X^#?]%JK!RQ1Y.\/=:-@XO?'WD:5VN-WXY1K7265(M .JOM7:[#1D8+Z@7?P-02P.$% @^(,=675F,/I8 P # D !D !X M;"]W;W)K&ULE591;]LV$/XK!]4H$L"(9$E.G=0V M8&<=N@$%@B3;'H8]T-+9(DJ1&DG9R;_?'25IRN9XZXLIDG???QXO/-L;^PWM5R%Z>*Z5=O.H\KZYC6-75%@+=V4:U+2S,;86GJ9V&[O&HBB#4ZWB-$FNXU(M'2UF8>W>+F:F]4IJO+?@VKH6IF6%RNSGT3@Z+#S(;>5Y(5[,&K%1_2_-/>6 M9O$1I90U:B>-!HN;>;0.CB'9DN[DOS\&=MVWA6ROU%H0NX?.S]+!D ML:1_@3OCO(.+()[%2"YGL:>8[!D7/ZJPT_?P+^&KT;IRL%G76+YVC\FKD?" MZ8'P*CT+^',KKR!+1I F:7X&+SL*D 6\[^|+(!*>"P/&DAT)MR35:407^< M4J +D))\.P*_JUC6BP'E$S|:AW6&T^/!N?)U\.D, _/|+/SZ$O'NF5EJU",!MX M^RCA%D]1/PM^FOI3A; QBEXS1_&<&-!8LY,E"56B%U(Y>]Y;84LVI*](%96PM6^3]PEA*B,!2U*;5E&6^$A[V:!$<>]]H=R]]!85P%92=OZ?@3CY#W2454R(@#E>R$0A'L$KQ:%I+P;E:!8V*PK:$H*182\7Y;K$QEB63.M@61CNC M9!ED7LE=$$,0KEDM,U_]:^%"T+RE6D=[;G+?]B_LH55CT\RK'$K=>|(,1JT MTI3P'K+139;1^.'=-!VGG_K7*7716DO\!B+U+A?99'Q);LEX"LM>YG^+FXZR M)(?QZ.8Z'7)@'%+X%8/Q*/TX#6,RN0;.!8<[M.PR H^62I0(Y7:-&C>2PK$D MAJ L8-TH\X)(HKK#+=5=BAV2+ ^N0I?&7)G!&^\|)AI=*("CQ7_S=NTWD:]+]X M/B!U.1N(.[!7+K_=+1V0"0Q+&#P2DU<+WW'!Y_:>C!!0 ?SOL^RP_Q458L":I&*@'&PO=V]R:W-H965T>AMH#&6K<.[1 DR_IBV M:.MM$)%$EZ3@9^N%[I!15]A4N O3&)BG=G[R?M>*>CYGLN[N060)&'/"ODPMDJ55ZXKDRVD%-YPDLH\,J:BYP][(J-*TL!-#5& M>>8&GC=S<\H*)YJ;L2L1S?E.9:R *T'D+L^I>+R$C.\7CN\\#5RSS5;I 3>: MEW0#-ZINRRN\/=125D.A62\(+6"~>]?Q'[@38P=_S-8"];=&RX3X]Q M*C82:B?ZQ8=]W(^%6=7X^#?]%JK!RQ1Y.\/=:-@XO?'WD:5VN-WXY1K7265(M .JOM7:[#1D8+Z@7?P-02P.$% @^(,=675F,/I8 P # D !D !X M;"]W;W)K&ULE591;]LV$/XK!]4H$L"(9$E.G=0V M8&<=N@$%@B3;'H8]T-+9(DJ1&DG9R;_?'25IRN9XZXLIDG???QXO/-L;^PWM5R%Z>*Z5=O.H\KZYC6-75%@+=V4:U+2S,;86GJ9V&[O&HBB#4ZWB-$FNXU(M'2UF8>W>+F:F]4IJO+?@VKH6IF6%RNSGT3@Z+#S(;>5Y(5[,&K%1_2_-/>6 M9O$1I90U:B>-!HN;>;0.CB'9DN[DOS\&=MVWA6ROU%H0NX?.S]+!D ML:1_@3OCO(.+()[%2"YGL:>8[!D7/ZJPT_?P+^&KT;IRL%G76+YVC\FKD?" MZ8'P*CT+^',KKR!+1I F:7X&+SL*D 6\[^|+(!*>"P/&DAT)MR35:407^< M4J +D))\.P*_JUC6BP'E$S|:AW6&T^/!N?)U\.D, _/|+/SZ$O'NF5EJU",!MX M^RCA%D]1/PM^FOI3A; QBEXS1_&<&-!8LY,E"56B%U(Y>]Y;84LVI*](%96P M

*H965TY;2P2.[.=%O[];"<-+4LS=0HO;>S< MJSLP9S[!42[ZP165FA@5,6/J#Q#(9 M6T,+Q3#'12KOV>H+5(9ZFB]BJ3" :%76!IZ%HD)(EE5@I2 CM/S'SU40&P#% MTPSP*H#W%A#L /@5P#=&2V7&UA1+'(XX6R&NJQ6;/C#9&+1R0ZB^C0^2JI-$ MX61X RH#@0ZG(#%)Q1$Z08\/4W1X<(0.$*'H6\(*@6DL1K94El,@.ZJH+TMJ M;P=U'ITR*A./M,8XFV\K6366KVUUDNOE?!K04^1[QPCS_&"!CV3=O@4(@5W M#=QOD>/7T?F&S|\9G1 Q\A$>(RF(").D91(HUM4U+V#:5^S2Q#UQ\.1_9RTU5#T6&#@U$5;:GNUVEZKVAM%R&<2 M>+:?WM[?4EQG$+P1W%05](:-BONUXGZKXEM"259D3:I:@?OV4$=D6QX'MSU'@RXSZ(AL*X-AG<&P]3[?@_[D$KJH.E(W:9/A=A87O0#F3=Y:P_AY5P^W O>]?QV1;7ETG=?OJ/->75PQ=Q1#5VS;.6S,$VXGG?P/&C*

#E'%DN),O-*#9C4@UVYC!1LS=P7:#.SQF3ZX6^0#W-AW\ 4$1# M!!0 (/B#'5G_$=N(Q (*X' 9 >&PO=V]R:W-H965T,/XH\@!)'HJ:"DF5BYE=67;(LVAP.*" M55"JF27C!9:JRU>VJ#C@S(@*:GN.$]D%)J65C,W8G"=C5DM*2IAS).JBP'Q[M Y1M)I9K[09NR2J7>L!.QA5>P1W(AVK.5<_N7#)20"D(*Q&'Y<2Z=J^FL8XW M 3\);$2OC70F"\8>=>=+-K$<#0044JD=L'JM80J4:B.%\;?UM+HEM;#?WKE_M,KFK7!98P)317R23^<2ZM% &2UQ3>:P5^*_!-H@V926N&)4[&G&T0U]'*33=,;8Q: M94-*_I7V0)%>S1.ED$$HD00$.M]-]P;?H?,92$RH M:GU #W%U9/.'G'_&;RXU>4%4!71=3!$P%^GV|$)*K M/^_)4(*-8S#LJ'?CE:AP"A-+;3[Y/U3[LF4 M%>J0$+C99ZH "RAA2>3@9VVL(F.ECXQUXD9>$(WM=3^=@2C?'3U'O> ,.L[@ M).?NYY3X"0;9&GG86S4:N>$>VF&0Z_BQ/XP6=FCA]] JSK(ZE6B#.<>EW"+: M;J3M$&]XB.*.@CW>PR#/=8Y4,NIPHY.XS<['+31]WNQ#E-$A@#/RXCW,@2@_MO@R'.>..,S[)><\DID-,\<'_%83>I;?'-! U"B)GC\GNG:;Z)ON.^8J4 E%8 M*IUS$:ND>',[-!W)*G/ +IA4Q[5IYNI"!:X#U/R2,;GKZ#.[NZ*3?U!+ P04 M " #X@QU96;/0X# H"P &:0 'AL+W=O\E^J++@ , ^5IRH2=>8NTG+?%P*^B_,=25E1#3)/|(/<%!/OSB,YK&G%S5+N? X7&GY'5RR37[I?L&V$D:S2 M1I8-&2THF:C_Z=_)L%.XRY)GT,Y%52AWNSJ0V^BVYF8.AC./H M'?GT/"&K],7E]*@G M&(/V)@R8$R<<59QOJLOBOO>2<8$+NJT@PF M'A8Q#6H'7OKC#V$<_-P5[6N*S:!IMKB2V-&Y#-MS&?:IIU/*J<@PW0Q9P88) MP<2&R#79@F(R[S]46B]V>O:=V*5A>(_W>W<8['-0=!^%QZ!Y!R@,XF/0XAPT MB).D!1TY/6J='O4ZC>^3X8#OD=%8[7+H^U MYGMORY7$C@(7MX&+>P/GZCGEFF +0?9U2MM*SK2N3FMF'<;X+$!WH[N3(YC MPC ^N5'S7L. ^-X97$CN*8=+&,+DTX_!%) (#O7&^^)?9?DVSFH()\Z0.?E=@[J MR#?_H"4H06U<+Z9))BMAZ@>R76W;Q42/7Y9RL3\.'6=VU_2]3|Y ?J,)RI 0.F' M-4H&MPG>#0TW9?7$R*UK/%;28!OCA@6VLJ L /?74IJ7B?U VQRG_P%02P,$ M% @ ^(,=61N:4MO/!P Y4L !D !X;"]W;W)K4LM9QM;Z,Z&H;_BI4]6G6DJ@F0EZ;;1IH6"*=HJ',F=T/J_W@@M.@ MX25K.^W,ZOSX-2\-@1*7K. [YTB2$YWKLYF/!;AEJ547.4[EJEO-CE/J50?^=-8[#BC41F4)F-S,IF/4QIGH]5MN>TS M7]WF>YG$&?O,B=BG*>4_[UF2O]R-C-'KAB_QTU86&|:KVQU]8E^9_+;[S-6G M\8$2Q2G+1)QGA+/-W>BC<1.8LR*@W.,?,7L11^])T97'//[>?/"CN]&D:!%+ M6"@"#+1%4OS^R!)4E!4NWX3PT=>'7(6@_#..Y/9N=#TB M$=O0?2*_Y"|>JSM4-C#,$U'^)2_5OO/EB(1[(?.T#E8M2..L>J4_ZG_$48!I MG@@PZP"S$V!9)P*L.L :&C"M Z9#FS2K V;=#(L3 ?,Z8#ZT28LZ8#&T2==U MP/70@&4=L.P&S$X=N,GKD9N4"JH.>:D7FTJZNN7Y"^"%_HI7O"E%5\8KF<19 M41]?)5??QBI.KNYSKB+B[$F0B]\IY[20ZP=R83-)XT1\(+^1,1%;RID@<4:^ M9;$4EVJC>O_'-M\+FD7B=BQ50PK>.*RSWE=9S1-9#?(IS^1&6$">+6-03_Z'/ MMJZ+=_3Q_2VT\8_4//1P'_4XW)M:XB?*KXAE7!)S8D()MZ\VN?CM M0)[_1H\))IG"3-J8HV/80[2'$ZUA1$=/M%DXJ*ON_]/5B/[4-VX-[ZXWO+MS M37?]X9B9!A,,QU@G^]62L'482JP2;9U_UU]\OF&/' 6Q9*X-(R36/XD_RJ_ M\"5+Q;_[AHJ*.NVG%O.#&[&C(;L;J0F 8/R9C59__8LQG_RMKSR0,!L)$N8C80$(UJJ-Z:$VICKZZB%/4S4;5"7T\/LEV5%.GFFR9^1"G4>C M/$DH%V3'>%6,'\B?^A'G7IOLW)*I8(L25DRGGU>3J\G$N!T_']?"H+T<9,/< M02G7@_;RD WSD;#@O?:W]#8[ZV&VFU=O'-.KO/?#'I: K9*/=MPL7TNJ.HM_L8EK7L" K9 M*A\)"T"PEN[F!JW-M;JSV89Q=?!O$=PE>>&Q9/EFTZ<\+?
9[BS:AL&C.C.W:_W:MS.O&0C?*1L $:VGX^J#A M:ZV&W9RSD(I>M6HCSU4K$F8C80X2YB)A:R3,0\)\)"P P5KZ7Q[TO_PE-R^6 MR-I PFPDS$'"7"1LC81Y2)B/A 4@6*LVC$EC$DQ^Q>6DGGIN=4!I-I3FU+36 MA:S5N0?A0E.NH32OIP.&870N>OV^OV9*KH\) M(U]9%N>< _)Y+)HB]9]5-^#_)\3[VB4FZ/LW9ZD72;"C-@=)<*&T-I7E0F@^E M!2A:NV5,IFS,7S(#JK&H,D'2;"C-@=)<*&T-I7E0F@^E!2A:NTP:D]/0^D0K M/Y-,<27A5#)R006AA7,3LDS2)];GR-[KB6=72$5;GK[%84,3.E":^W[SU]"$ M'I3F0VD!BM;6K*%Y/2C-A] ("%*VMZ,;V-/2^Y^?#2%Q,9<)REE\NY=SQ..P7-M3SA-)L M*,V!TMR:=CR.&U=65_?(E!Z4YD-I 8K6UGUCNQIZW_6/K:)N\R0BDM,HSIZ* MA7!"7>BJEU[50_U6*,V&TAPHS37>>]FF^D+U'*%TGPH+4#1VJ)O;%=#[[LV MHE<#O6#AOIS*#"P J 4+I=E0F@.EN37MN "L-P6 S.A!:3Z4%J!H[0)H/%M# M;]J^7P"71-"$5;.? 9H&AIBR@7B^49D-I#I3FUK3CLIAUJP+JXD)I/I06H&CM MJFB<7$-KAJT^,2KVG)5K<)3DXSS2Z!WJWT)I-I3F0&EN3=/J'>K,0FD^E!:@ M:.T?#C7FK*DW9YNSP*YU]5N,_* ([]/<5@9Y,;A% :3:4YD!I;DUKWE":#Z4%*%][#AK?U]3[OE]8Q-)=N42A70BJ!+(PWM&$T#3?9[UFKYY] M=@U S5XHS8'2W)K6N@W4+0"H@PNE^5!:@**U"Z!Q<$\VM];6RRU4YF9!\7TQ^ M+@EGNST/MU2PB&Q47IW^S9[U'Y/ITFP?S =]$\Y6-M2?A=)<*&T-I7E0F@^E M!2A:NP@:?I;4^[-? V([^+.0O&@>@6N=S:C%^#3R6_O7"[*XL?]#G/5OY4(L6 M2G.AM#64YD%I/I06H&AMY3=NKJEW<__&8H>>/:D!TFSH30'2G-KVGN_18$F M]: T'TH+4+2V\AO7U]2[OIJ)CV[* W5^S9Y?C2Z,6=<<LJ%9'2C-'B=-32K M!Z7Y4V]A|JHE7"\A|IR=E_*E!+10DQ2ET^)T=;#LZ<^ED[M8]RL^[9[QHU?/7&J25L] .L3Y4^J,1HP7.ZCO-WDN7S\4"0Y/]EK]#U!+ P04 " #X@QU9!]A:##X# M "0 &0 'AL+W=O?15 M)9'D#E0R/PJ"Q"\Y5ZZ=',[F2Y%K1GEN).@ZK(D\GZ-3)Q77N@]3'R@QT+; M"3]=5N2(MZCOJTTD=^QY+1$KJC@(/&P\EZ%-YN%S7<)OU,\]JX8K).J$!]M M\"9?>8$5A PS;1F(^3OA!AFS1$;&WRVGUVUI@?WQ _MKY]UXV1.%&|'^H+DN M5M["@QP/I&;Z@SC_@JV?F>7+!%/N%\YM;N!!5BLMRA9L%)24-__D4U^M5"B"*.Z?F 31X"X!<3.:*/,V=H23=*E%>&KC4,;-Y3;IWBKI5FE M!J?3M9 &0?E1P=5&\!-*3?<,X;W0@>J^2AP-J7I'YHB.ZXO@4>EVTZ<\+? 9[BS:AL&C.C.W:_W:MS.O&0C?*1L $:VGX^J#A M:ZV&W9RSD(I>M6HCSU4K$/FC>U3[OE]8Q-)=N42A70BJ!+(PWM&$T#3?9[UFKYY] M=@U S5XHS8'2W)K6N@W4+0"H@PNE^5!:@**U"Z!Q<$\VM];6RRU4YF9!\7TQ^ M+@EGNST/MU2PB&Q47IW^S9[U'Y/ITFP?S =]$\Y6-M2?A=)<*&T-I7E0F@^E M!2A:NP@:?I;4^[-? V([^+.0O&@>@6N=S:C%^#3R6_O7"[*XL?]#G/5OY4(L6 M2G.AM#64YD%I/I06H&AMY3=NKJEW<__&8H>>/:D!TFSH30'2G-KVGN_18$F M]: T'TH+4+2V\AO7U]2[OIJ)CV[* W5^S9Y?C2Z,6=<<LJ%9'2C-'B=-32K M!Z7Y4V]A|JHE7"\A|IR=E_*E!+10DQ2ET^)T=;#LZ<^ED[M8]RL^[9[QHU?/7&J25L] .L3Y4^J,1HP7.ZCO-WDN7S\4"0Y/]EK]#U!+ P04 " #X@QU9!]A:##X# M "0 &0 'AL+W=O?15 M)9'D#E0R/PJ"Q"\Y5ZZ=',[F2Y%K1GEN).@ZK(D\GZ-3)Q77N@]3'R@QT+; M"3]=5N2(MZCOJTTD=^QY+1$KJC@(/&P\EZ%-YN%S7<)OU,\]JX8K).J$!]M M\"9?>8$5A PS;1F(^3OA!AFS1$;&WRVGUVUI@?WQ _MKY]UXV1.%&|'^H+DN M5M["@QP/I&;Z@SC_@JV?F>7+!%/N%\YM;N!!5BLMRA9L%)24-__D4U^M5"B"*.Z?F 31X"X!<3.:*/,V=H23=*E%>&KC4,;-Y3;IWBKI5FE M!J?3M9 &0?E1P=5&\!-*3?<,X;W0@>J^2AP-J7I'YHB.ZXO@4>EVTZ<\+? 9[BS:AL&C.C.W:_W:MS.O&0C?*1L $:VGX^J#A M:ZV&W9RSD(I>M6HCSU4K$F8C80X2YB)A:R3,0\)\)"P P5KZ7Q[TO_PE-R^6 MR-I PFPDS$'"7"1LC81Y2)B/A 4@6*LVC$EC$DQ^Q>6DGGIN=4!I-I3FU+36 MA:S5N0?A0E.NH32OIP.&870N>OV^OV9*KH\) M(U]9%N>< _)Y+)HB]9]5-^#_)\3[VB4FZ/LW9ZD72;"C-@=)<*&T-I7E0F@^E M!2A:NV5,IFS,7S(#JK&H,D'2;"C-@=)<*&T-I7E0F@^E!2A:NTP:D]/0^D0K M/Y-,<27A5#)R006AA7,3LDS2)];GR-[KB6=72$5;GK[%84,3.E":^W[SU]"$ M'I3F0VD!BM;6K*%Y/2C-A] ("%*VMZ,;V-/2^Y^?#2%Q,9<)REE\NY=SQ..P7-M3SA-)L M*,V!TMR:=CR.&U=65_?(E!Z4YD-I 8K6UGUCNQIZW_6/K:)N\R0BDM,HSIZ* MA7!"7>BJEU[50_U6*,V&TAPHS37>>]FF^D+U'*%TGPH+4#1VJ)O;%=#[[LV MHE<#O6#AOIS*#"P J 4+I=E0F@.EN37MN "L-P6 S.A!:3Z4%J!H[0)H/%M# M;]J^7P"71-"$5;.? 9H&AIBR@7B^49D-I#I3FUK3CLIAUJP+JXD)I/I06H&CM MJFB<7$-KAJT^,2KVG)5K<)3DXSS2Z!WJWT)I-I3F0&EN3=/J'>K,0FD^E!:@ M:.T?#C7FK*DW9YNSP*YU]5N,_* ([]/<5@9Y,;A% :3:4YD!I;DUKWE":#Z4%*%][#AK?U]

"0.Q[97;%0@>;XON,T8AU_1XV_(ZV_ M56.+.XTM$;6:87"6B@9WKO*_@ASM+.4"0M^3W.]+C2&2?%<@>;8/)=?[4@YR M1FK'W<9Q5^OX=48WA.=B[L=IE.?),A%M?LEH)L9XV_?I4|*C-7SJ: ^KV?)?B M')@T%_;-07^LCO2XB?18&VDQ=PZ\3^.>4=N#XEV1"JHO-H;0LAPI'L>AA0?1 M.LYZC;.>OJP.;!K.BEW#>3$Q1 VI8J&%/[5X3((%)L%"0V"='/E-COR7,[-] MD_DT"1:8! L-@77R":UV/V\]?VK7&)UA,X.(PW:F5+.$JU!ZC,J.<=!(TDN M5.+9'D+J3@-W6 Q\9F.M ;JFD>M V66%G./;7L_EX_#"PWA=EU'K,M*Z+-XT MP8*)((F,81)_ YQ%)!?MMN3? B[\%=Q2$GBMCH44~]4TTBA8810M-H75SU#(B M^((H$33*B8RB!4;10E-HW:RVO @:(8$UAM1BQW)+G"GEK+$'Y7ZCD'.O(M_4:%YT!_SV8.MNP(?@=Z!-7\R)6#< Q!4F%Y8GC(5!0)(CV4"38637]P^; ^G-+J,\26NP&^V6)\'G$B78)RUB_OI.K[14M+@1)K:@F3'^S(]MQ4P\K=/"AFXAQ"BEATA/3OZCN-:;_G45[1&DW9(M5./?7+IF$0+C**% MIM"Z66K)"AJ]G)F-M,3IY*R:1 N,HH6FT+I9;3D8TG.PXV:V43:%^N3F O;: MD5$^I3)I(V]/XVHI%=)3JJ=M [28)P>SSYUZ&P:3!D.%06CMBV3+U-"!'[:^ MX] ["**FKT;H_8#;1D8TG*!8[861FE3C>;JZM0H%]:(:K((V MW#GCE6%Y7QZNRT5]B5*LSN@T3VJ1#?-?EL37I^0V\G$'%\P!>AM7QO!:^.BWD5@< /$E 9 >&PO=V]R:W-H-F*B[^8@Q4MARGHS%NEEU0&\ZH;3=7G";$XYIUEYN<+1 K-"0'R^1)0_WA0& MFF.0T_| 4$L#!!0 (/B#'5EDE1BD5@< /$E 9 >&PO=V]R:W-H M965T9(F)M4JB*]&Y#/OQ(R7;LJE/3+)I+XDE'Q[QN_*0ULD#+[)5"\8$>LRS MHCH=+818'H_'5;Q@>52]XTM6R&]N>9E'0EZ6=^-J6;(HJ0?EV9A8ECO.H[08 M34[J>U? EY(2O1)86[*I$U2K/H_+IG&7\X72$1YL;U^G=0J@;X\G),KIC-TQ\ M65Z5\F]\94G2G!55R@M4LMO3T1D^GE%+#:@1OZ7LH=KYC)0I<\Z_J8N+Y'1D MJ1FQC,5*443RWSV;LBQ33'(>W]>DH^TSU<#=$QOVGVOCI3'SJ&)3GOV>)F)Q M.O)'*&&WT2H3U_SA/5L;Y'B^F&=5_1<|K+'6",6K2O!\/5C.(§^+YG_TN';§ MS@!">@:0]0#RT@%T/8!J VC?E.SU /NE3W#6 VK3QXWMM>/"2$23DY(_H%*A M)9OZ4'N.'BW]E18]46Y$*;]-Y3@QN6%W,NP"711-TJG@'7Q:LE)^+.[0-:ND MQRLT? T)KY"$Z")F(TJPZ1&]06J#/"[ZJHB*I3L9"3DC1CN/UP|^;AY.>AU/T M@1=B4:%9D; $&!^:Q[N&\6/IB*TWR,8;Y\1(^.NJ>(>H]181B]CHRTV(#MX< M O.:OIR&&FC"?S$;5#5Q .AF_WE6>TZCVQ2B-2]]H6NV9*7==9\/9M7HI0] MX \H)QHV&V93C?&XD8Q.QW)SE>Q)C_ ^@%WK)R@00Y*%0Y+-!B+;"XF] M#8EM8I|\7.5S5B)^*WNY"DHTS]@F<2KTMR&'SHW$KXW.D&1A0^;49&K]NY^0 MD_']KLL'>MR>RYVMRYU75L%N2_UZ*>'H0K"\ FO"&=+K0Y*%0Y+-!B+;"Y"[M#9!KK(EK=L^*%8.|WPQT=S(+8TH<+;VF (SX.+#W86$71K"+'4]+5@!F!S:U MMK]*[VME9[1RK/D3RD:6()FYQ>?PS/(6]]31YC@G>Y":H8*KA 49;Q.%)!E$':K%]0A().AAT1QI*UTIQ",,MQ7"VK 9AC!98& MFP$PF[C8A_;62TDMXR^N"@$DQX64EW'/&?H8.V2P[52^2&?!$],GAS@8$ >*YN M-H BA.AF RCLVWK3!LGZ>C8FK=W$:'?(9$G%::,5UM$&+2: Q0'6>S<$]9NLT #%ON3CGL6]WN&[!1 T_.:@I5MQ_H5@,PN8KK2Q8$ MLP.KD^$ S+4#K\]?H5IECLS2_$3S^=]J3.- A(DTUL9_;P#NM+WB-*N P"8%P26 M[@ AJ4^L74/0#C95DB/"UJEC(TZ;W(6?U_)*F\.BHH$)>F][':16)7LJ&19 MW>]-WG"@>6'=&1#*T1M9",$(|;@"0-G8[^OTK23%9DUZR>ZBK/8!%PNY8=M8 M'_,*7N?6?/IT=:4*PMS..@?!L;KE +YM>_89;J8K-6O5:1KU@.>89L M_Q"R%8#$+ !_B=("U0?QRU49+^1:H>Q/V!S, =+58KH@>!X2 A B^Z5>&$:F M?7-;U4?,JN]3W?M4VO/MP;,N?4'# 3%&J;XJ0BB,.ZLB),%T#$?)"-]+F@% M(#$+P-Z^T.Y,T6:+))=-T!N 3"->1_],09SO!X[N$$AK2CVEUP"$^0A M:>4A,#GBH/ MRA8.RC8;BFT_3.T&@Y@W&*9^V-7OKDT|/_Q , (^2CH3LPN3^T]=/H6<0C@92 M,L$=@K;[!FK>-[R@(:X9=G]VHK2C$0$4(:[>#P&48]OZ\2& "K"KJ\/QSBLL M.2OOZG>'*A3S52&:5Q&V=[?O)YW5;^5H]|_Q\]10#]T-\/&O>/FKIFY>A/D3E M75I4*&.W\E'6.T\&IFS>+VHN!%_6+]#,N1 \KS\N6)2P4@'D][>L#V M+:_)/U!+ P04 " #X@QU98\S^JR\# !<#0 &0 'AL+W=OYM8)'9GNRW\^]E."$T)$8A(?&GSN.?XG..;]F:X8?Q&I 2W>89%2,KE7)Y M;-MBED*.Q1%; E5W%HSG6*I3GMABR0'/#2C/;,]Q>G:.";7BH;EVP>,A6\F, M4+C@2*SR'/.[4\C89F2YUOV%2Y*D4E^PX^$2)S %>;6|X.K,KECF) 6:L1M],|%^"7 -T8+9<;6!$L< M#SG;(*ZK%9L^,-D8M')#J-[&J>3J+E$X&4\A49LBT1DM6D)'NW_.:')XKN*= MHQ,A0 IT?8>^ $LX7J9DABXA474':'|"$I-,'*!#==#6=H/V] [2'"$4_4[82 MF,[%T)9*I%[*GI6"3@M!WA."OJWH$?*=#\ASO* !/FZ'3V"FX*Z!^W6XK:*I M|O&J?#S#YS_!=PEKH"L0:,%9CC[=2N 49VAL=@:X0,HE>IS7GW/%@)O M4P;%HD'SHOK1/19+/(.1IY9- 7P-5O3^G=MS/CD4TEA%9+1^_RL=O8X^~ JB(K.8TK)R&;]&K89?Y=$16RZ=7Y=-[?:\6%.%6$PZBR'-W6O5Q M513T_:'Y4_N5OGZK/O6GFI!5WJ2J%?C2/>B(K.9Q4'DZ%'7>1@8G%:%/V0*'*EI04U(%*G9@4C2 M_/:3O327>F*K6Y[:TYRWZ)QRU6[RJ@CMGI&#[.2VSIJ/*]Y2X[:WWS/'>P. M TUE@_[WVE?>VOTU>|=WS%/"!4H@X7".4=]U?^|&.6+$\F69AJ^9E)MG#E, MU>L/<%V@[B\8D_L"N7JCB_U!+ P04 " #X@QU9)N&/ETH/ #AZ M&0 'AL+W=O3*3]| 6'A!#C8WOZ[[[8<1R?WXV- M?07PN>]Y*2]^Q^%)0!VQ1?CEZK*KEY? %Q.7T4\Z3\G"_%HO[-?5[,DZK^ ML7@X+I>%2&;K0?/L6!N-3H_G2;HXNKY:WQ<7UU?YJLK2A8@+I5S-YTGQ?".R M_,G+D7KT>LJO9#'Q_^U4WUT^^?C)W22EN\^Q?Z:QZ_')T? J3,Q\VRRJI?\B=; MM$_HI/&F>5:N_Z\|M8\='2G355GE\W9PO03S=/'R;_*C?2'>#="T+0.T=H#V M85[BZ]QI77U>Y M^G&=;Q_RNM+5O=>Z^KK:U?5Z/W[YD*P_87I2)==71? ZD%,WC:Z^YL?Z8KL?7 M'ZQTT23*MZJH?YO6XZKKVWP^3ZLZ(I2218SY39?5.GB02RFI2B5O^JB2M*L M_-O5<547:X8<0A&)W1/19+/(.3DY.)O M4P;%HD'SHOK1/19+/(.1IY9U 7P-5O3^G=MS/CD4TEA%9+1^_RL=O8X^~ JB(K.8TK)R&;]&K89?Y=$16RZ=7Y=-[?:\6%.%6$PZBR'-W6O5Q M513T_:'Y4_N5OGZK/O6GFI!5WJ2J%?C2/>B(K.9Q4'DZ%'7>1@8G%:%/V0*'*EI04U(%*G9@4C2 M_/:3O327>F*K6Y[:TYRWZ)QRU6[RJ@CMGI&#[.2VSIJ/*]Y2X[:WWS/'>P. M TUE@_[WVE?>VOTU>|=WS%/"!4H@X7".4=]U?^|&.6+$\F69AJ^9E)MG#E, MU>L/<%V@[B\8D_L"N7JCB_U!+ P04 " #X@QU9)N&/ETH/ #AZ M&0 'AL+W=O3*3]| 6'A!#C8WOZ[[[8<1R?WXV- M?07PN>]Y*2]^Q^%)0!VQ1?CEZK*KEY? %Q.7T4\Z3\G"_%HO[-?5[,DZK^ ML7@X+I>%2&;K0?/L6!N-3H_G2;HXNKY:WQ<7UU?YJLK2A8@+I5S-YTGQ?".R M_,G+D7KT>LJO9#'Q_^U4WUT^^?C)W22EN\^Q?Z:QZ_')T? J3,Q\VRRJI?\B=; MM$_HI/&F>5:N_Z\|M8\='2G355GE\W9PO03S=/'R;_*C?2'>#="T+0.T=H#V M85[BZ]QI77U>Y M^G&=;Q_RNM+5O=>Z^KK:U?5Z/W[YD*P_87I2)==71? ZD%,WC:Z^YL?Z8KL?7 M'ZQTT23*MZJH?YO6XZKKVWP^3ZLZ(I2218SY39?5.GB02RFI2B5O^JB2M*L M_-O5<547:X8<0A&)W1/19+/(.1IY9-

^(,=69HU^M/P P 50L !D ("!"*, 'AL M+W=O&PO=V]R:W-H965TM !X;"]W;W)K&UL4$L! A0#% @ ^(,= M6?MXMGE-!0 -PT !D ("!M<, 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=6=S(5P.5 @ VP< M !D ("!VM4 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=6?H>@H:^ P H @ !D M ("!G>, 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0#% @ ^(,=660SH0ZH P R0< !D ("!5^| 'AL+W=O M&PO=V]R:W-H965T[V M !X;"]W;W)K&UL4$L! A0#% @ ^(,=69/_ M=CUO P 50< !D ("!E_H 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=60FKY2K%! 7 L !D M ("!(P0! 'AL+W=O"@ &0 @($?"0$ >&PO M=V]R:W-H965T&UL4$L! A0#% @ ^(,=675F,/[8 P # D !D ("! M5!,! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ ^(,=68SD,O.: @ * D !D ("!42 ! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=65RP#<1[M! *QP !D ("!:"L! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=69&Y!9WR! 7!T !D M ("!4#4! 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ ^(,=60&G:6B7" %%0 !D ("!/D$! M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ M^(,=65FCQ$!. P * L !D ("!0% ! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=69@0[U H P MNPL !D ("!0%\! 'AL+W=O_6D# #*# &0 @(&? M8@$ >&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=68='<;"K @ 0@ !D M ("!EW0! 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ ^(,=6>3LM024 P)Q$!D ("!3'\! 'AL M+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,= M6625&*16!P \24 !D ("!A8X! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=674;-SAL @ , 8 M !D ("!^:@! 'AL+W=O8;OT# !2% &0 @(&&PO=V]R:W-H965T&UL4$L! A0#% @ ^(,=61(4S^W" P %Q0 !D M ("!LK,! 'AL+W=O&PONU.;58" ".+0 &@ @ $DP@$ >&PO7W)E;',O=V]R:V)O M;VLN>&UL+G)E;'-02P$"% ,4 " #X@QU95:BY9Q(" !S+ $P M @ &RQ $ 6T-O;G1E;G1?5'EP97-=+GAM;%!+!08 50!5 $H7 (#UQ@$! end XML 91 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 92 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 94 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2.u1 html2753331true710false11 falsefalseR1.htm0000001 - 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Statement -

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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": [ "r65", "r814" ] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS",
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Excludes amount capitalized." } } }, "auth_ref": ["r456", "r461"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableCurrent", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETSParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Accounts receivable, reserves", "label": "Accounts Receivable, Allowance for Credit Loss, Current", "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current." } } }, "auth_ref": ["r166", "r272", "r284"] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": ["http://www.3dsystems.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.3dsystems.com/role/RevenueRevenuebyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Americas", "label": "Americas [Member]" } } }, "auth_ref": ["r1100", "r1101", "r1102", "r1103"] }, "us-gaap_AmortizationOfFinancingCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfFinancingCosts", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/BorrowingsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of debt issuance costs", "label": "Amortization of Debt Issuance Costs", "documentation": "Amount of amortization expense attributable to debt issuance costs." } } }, "auth_ref": ["r100", "r379", "r953", "r1052"] }, "us-gaap_AmortizationOfIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfIntangibleAssets", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization expense", "label": "Amortization of Intangible Assets", "documentation": "The aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method." } } }, "auth_ref": ["r9", "r301", "r308", "r784"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://www.3dsystems.com/role/NetLossPerShareEquityAwardsDetails", "http://www.3dsystems.com/role/NetLossPerShareNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Shares excluded from diluted loss per share calculation (in shares)", "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": ["r231"] }, "us-gaap_AociIncludingPortionAttributableToNoncontrollingInterestMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AociIncludingPortionAttributableToNoncontrollingInterestMember", "presentation": ["http://www.3dsystems.com/role/AccumulatedOtherComprehensiveLossAccumulatedOtherComprehensiveLossByComponentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive (Loss) Income", "label": "AOCI Including Portion Attributable to Noncontrolling Interest [Member]", "documentation": "Accumulated change in equity from transactions and other events and circumstances from non-owner sources, including the portion attributable to the noncontrolling interest. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r1", "r11", "r17", "r945", "r946", "r947"] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": ["http://www.3dsystems.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r495"] }, "srt_AsiaPacificMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "AsiaPacificMember", "presentation": ["http://www.3dsystems.com/role/RevenueRevenuebyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "APAC", "label": "Asia Pacific [Member]" } } }, "auth_ref": ["r1100", "r1101", "r1102", "r1103"] }, "us-gaap_AssetImpairmentCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetImpairmentCharges", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 19.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS", "http://www.3dsystems.com/role/RestructuringandExitActivityCostsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Asset impairment", "label": "Asset Impairment Charges", "documentation": "Amount of write-down of assets recognized in the income statement. 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Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r21", "r159", "r764"] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://www.3dsystems.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": ["r159"] }, "us-gaap_CashAndCashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "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": ["r1044", "r1045"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS", "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical"], "lang": { "en-us": { "role": { "periodStartLabel": "Cash, cash equivalents and restricted cash at the beginning of the year", "periodEndLabel": "Cash, cash equivalents and restricted cash at the end of the year", "totalLabel": "Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r21", "r105", "r197"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS"], "lang": { "en-us": { "role": { "totalLabel": "Net (decrease) increase in cash, cash equivalents and restricted cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r0", "r105"] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Changed Peer Group, Footnote", "label": "Changed Peer Group, Footnote [Text Block]" } } }, "auth_ref": ["r890"] }, "ecd_ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year", "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]" } } }, "auth_ref": ["r887"] }, "ecd_ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested", "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]" } } }, "auth_ref": ["r885"] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": 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["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFSTOCKHOLDERSEQUITY"], "lang": { "en-us": { "role": { "terseLabel": "Common Stock", "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r832", "r833", "r834", "r836", "r837", "r838", "r839", "r957", "r958", "r961", "r1043", "r1097", "r1098"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://www.3dsystems.com/role/BorrowingsNarrativeDetails", "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETSParenthetical", "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFSTOCKHOLDERSEQUITYParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, par value (in dollars per share)", "label": "Common Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r78"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETSParenthetical"], "lang": { "en-us": { "role": { "verboseLabel": "Common stock, shares authorized (in shares)", "label": "Common Stock, Shares Authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r78", "r687"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETSParenthetical"], "lang": { "en-us": { "role": { "verboseLabel": "Common stock, shares issued (in shares)", "label": "Common Stock, Shares, Issued", "documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r78"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFSTOCKHOLDERSEQUITY"], "lang": { "en-us": { "role": { "periodStartLabel": "Beginning balance (in shares)", "periodEndLabel": "Ending balance (in shares)", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r12", "r78", "r687", "r706", "r1098", "r1099"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS"], "lang": { "en-us": { "role": { "verboseLabel": "Common stock, $0.001 par value, authorized 220,000 shares; shares issued 133,587 and 133,619 as of June 30, 2024 and December 31, 2023, respectively", "label": "Common Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock

repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r78", "r617", "r814"] }, "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": ["r896"] }, "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": ["r895"] }, "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": ["r897"] }, "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": ["r894"] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS"], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive loss attributable to 3D Systems Corporation", "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": ["r18", "r175", "r177", "r184", "r609", "r628", "r630"] }, "us-gaap_ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS"], "lang": { "en-us": { "role": { "terseLabel": "Less: comprehensive (loss) gain attributable to redeemable non-controlling interest", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income (loss) and other comprehensive income (loss), attributable to noncontrolling interests. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r6", "r56", "r61", "r175", "r177", "r183", "r608", "r628", "r629"] }, "us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCOMPREHENSIVELOSS"], "lang": { "en-us": { "role": { "totalLabel": "Total comprehensive loss, net of taxes", "label": "Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r61", "r131", "r175", "r177", "r182", "r607", "r628"] }, "us-gaap_ConcentrationRiskBenchmarkDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": ["http://www.3dsystems.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Domain]", "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a disclosed concentration risk percentage." } } }, "auth_ref": ["r26", "r27", "r62", "r63", "r270", "r745"] }, "us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": ["http://www.3dsystems.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Axis]", "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." } } }, "auth_ref": ["r26", "r27", "r62", "r63", "r270", "r663", "r745"] }, "us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": ["http://www.3dsystems.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Axis]", "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": ["r26", "r27", "r62", "r63", "r270", "r745", "r938"] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", 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identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r26", "r27", "r62", "r63", "r270", "r745"] }, "srt_ConsolidatedEntitiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesAxis", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidated Entities [Axis]", "label": "Consolidated Entities [Axis]" } } }, "auth_ref": ["r204", "r497", "r498", "r501", "r502", "r564", "r752", "r1002", "r1005", "r1006"] }, "srt_ConsolidatedEntitiesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesDomain", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidated Entities [Domain]", "label": 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the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary." } } }, "auth_ref": ["r57", "r769"] }, "us-gaap_ConstructionContractorReceivableAfterYearOneInterestRateLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionContractorReceivableAfterYearOneInterestRateLineItems", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Construction Contractor, Receivable, after Year One, Interest Rate [Line Items]", "label": "Construction Contractor, Receivable, after Year One, Interest Rate [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r570"] }, "us-gaap_ConstructionContractorReceivableToBeCollectedAfterYearOneInterestRateTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionContractorReceivableToBeCollectedAfterYearOneInterestRateTable", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Construction Contractor, Receivable, to be Collected, after Year One, Interest Rate [Table]", "label": "Construction Contractor, Receivable, to be Collected, after Year One, Interest Rate [Table]", "documentation": "Disclosure of information about rate of interest on amount billed to customer under long-term contract or program to be collected after next fiscal year following current fiscal year." } } }, "auth_ref": ["r570"] }, "us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock", "presentation": ["http://www.3dsystems.com/role/RevenueTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Contract with Customer, Contract Asset, Contract Liability, and Receivable", "label": "Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block]", "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability." } } }, "auth_ref": ["r1009"] }, "us-gaap_ContractWithCustomerAssetNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetNet", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/RevenueContractwithCustomerContractAssetContractLiabilityandReceivableDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Contract assets", "label": "Contract with Customer, Asset, after Allowance for Credit Loss", "documentation": "Amount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time." } } }, "auth_ref": ["r399", "r401", "r420"] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/RevenueContractwithCustomerContractAssetContractLiabilityandReceivableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contract liabilities", "label": "Contract with Customer, Liability", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r399", "r400", "r420"] }, "us-gaap_ContractWithCustomerLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS"], "lang": { "en-us": { "role": { "terseLabel": "Deferred revenue", "label": "Contract with Customer, Liability, Current", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r399", "r400", "r420"] }, "ddd_ContractWithCustomerLiabilityCustomerDepositsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "ContractWithCustomerLiabilityCustomerDepositsCurrent", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS"], "lang": { "en-us": { "role": { "terseLabel": "Customer deposits", "label": "Contract with Customer, Liability, Customer Deposits, Current", "documentation": "Contract with Customer, Liability, Customer Deposits, Current" } } }, "auth_ref": [] }, "ddd_ContractWithCustomerLiabilityRevenueRecognizedIncludingOpeningBalance": { "xbrltype": "monetaryItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "ContractWithCustomerLiabilityRevenueRecognizedIncludingOpeningBalance", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amounts included in contract liability at the beginning of period", "label": "Contract with Customer, Liability, Revenue Recognized, Including Opening Balance", "documentation": "Contract with Customer, Liability, Revenue Recognized, Including Opening Balance" } } }, "auth_ref": [] }, "us-gaap_ConvertibleDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtMember", "presentation": ["http://www.3dsystems.com/role/BorrowingsConvertibleNotesPayableDetails", "http://www.3dsystems.com/role/BorrowingsNarrativeDetails", "http://www.3dsystems.com/role/NetLossPerShareNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Debt", "label": "Convertible Debt [Member]", "documentation": "Borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock." } } }, "auth_ref": ["r116", "r358", "r359", "r369", "r370", "r371", "r375", "r376", "r377", "r378", "r379", "r786", "r787", "r788", "r789", "r790"] }, "us-gaap_ConvertibleDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtTableTextBlock", "presentation": ["http://www.3dsystems.com/role/BorrowingsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Convertible Notes Payable", "label": "Convertible Debt [Table Text Block]", "documentation": "Tabular disclosure of convertible debt instrument. 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a significant customer." } } }, "auth_ref": [ "r108", "r270" ] }, "us-gaap_CustomerRelationshipsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-
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line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds,
and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets
and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and
noncompliance with debt covenants." } } }, "auth_ref": [ "r115", "r198", "r316", "r317", "r318", "r319", "r320", "r346", "r347", "r357", "r363", "r364", "r365", "r366", "r367",
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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
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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": ["r68"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/AcquisitionsNarrativeDetails", "http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unrecognized stock-based compensation expense", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": ["r459"] }, 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It is commonly abbreviated as CIK." } } }, "auth_ref": ["r844"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.3dsystems.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.3dsystems.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.3dsystems.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": ["r844"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.3dsystems.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.3dsystems.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": ["r844"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.3dsystems.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.3dsystems.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", 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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": ["r844"] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Footnote", "label": "Equity Awards Adjustments, Footnote [Text Block]" } } }, "auth_ref": ["r883"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Excluding Value 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This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized." } } }, "auth_ref": ["r235", "r251", "r263", "r276", "r940", "r971"] }, "us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsAndJointVenturesAbstract", "lang": { "en-us": { "role": { "label": "Equity Method Investments and Joint Ventures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityMethodInvestmentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsTextBlock", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Equity Investments", "label": "Equity Method Investments [Table Text Block]", "documentation": "Tabular disclosure of equity method investments including, but not limited to, name of each investee or group of investments, percentage ownership, difference between recorded amount of an investment and the value of the underlying equity in the net assets, and summarized financial information." } } }, "auth_ref": ["r277"] }, "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueAmount", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/InvestmentsandNoteReceivableEquityInvestmentsDetails": { "parentTag": "ddd_EquityInvestmentsAndSecurities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableEquityInvestmentsDetails", "http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Equity investments without readily determinable fair values", "terseLabel": "Aggregate carrying value of equity investments without a readily determinable value", "label": "Equity Securities without Readily Determinable Fair Value, Amount", "documentation": "Amount of investment in equity security without readily determinable fair value." } } }, "auth_ref": ["r274"] }, "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossCumulativeAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossCumulativeAmount", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Historical impairment charges", "label": "Equity Securities without Readily Determinable Fair Value, Impairment Loss, Cumulative Amount", "documentation": "Amount of cumulative impairment loss on investment in equity security without readily determinable fair value." } } }, "auth_ref": ["r275"] }, "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]" } } }, "auth_ref": ["r893"] }, "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]" } } }, "auth_ref": ["r851", "r861", "r871", "r903"] }, "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompRecoveryTable", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]" } } }, "auth_ref": ["r848", "r858", "r868", "r900"] }, "us-gaap_EscrowDeposit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EscrowDeposit", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Escrow deposit", "label": "Escrow Deposit", "documentation": "The designation of funds furnished by a borrower to a lender to assure future payments of the borrower's real estate taxes and insurance obligations with respect to a mortgaged property. Escrow deposits may be made for a variety of other purposes such as earnest money and contingent payments. This element excludes replacement reserves which are an escrow separately provided for within the US GAAP taxonomy." } } }, "auth_ref": ["r134", "r747"] }, "ecd_ExecutiveCategoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ExecutiveCategoryAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Executive Category:", "label": "Executive Category [Axis]" } } }, "auth_ref": ["r899"] }, "ddd_ExportControlsAndGovernmentContractsComplianceMember": { "xbrltype": "domainItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "ExportControlsAndGovernmentContractsComplianceMember", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Export Controls and Government Contracts Compliance", "label": "Export Controls And Government Contracts Compliance [Member]", "documentation": "Export Controls And Government Contracts Compliance" } } }, "auth_ref": [] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems", "presentation": ["http://www.3dsystems.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "label": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r513", "r514", "r524", "r806"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://www.3dsystems.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Recurring and Nonrecurring [Table]", "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": ["r513", "r514", "r524", "r806"] }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "terseLabel": "Fair Value Disclosures [Abstract]", "label": "Fair Value Disclosures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresTextBlock", "presentation": ["http://www.3dsystems.com/role/FairValueMeasurements"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Measurements", "label": "Fair Value Disclosures [Text Block]", "documentation": "The entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information." } } }, "auth_ref": ["r519", "r521", "r522", "r523", "r526", "r527", "r528", "r529", "r530", "r604", "r806", "r810"] }, "us-gaap_FairValueMeasurementPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementPolicyPolicyTextBlock", "presentation": ["http://www.3dsystems.com/role/BasisofPresentationPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Measurements", "label": "Fair Value Measurement, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for fair value measurements of financial and non-financial assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities." } } }, "auth_ref": [] }, "us-gaap_FinanceLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityCurrent", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Current finance lease liabilities", "label": "Finance Lease, Liability, Current", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as current." } } }, "auth_ref": ["r555"] }, "us-gaap_FinanceLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityNoncurrent", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Long-term finance lease liabilities", "label": "Finance Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent." } } }, "auth_ref": ["r555"] }, "us-gaap_FinanceLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAsset", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS"], "lang": { "en-us": { "role": { "verboseLabel": "Finance lease right-of-use assets", "label": "Finance Lease, Right-of-Use Asset, after Accumulated Amortization", "documentation": "Amount, after accumulated amortization, of right-of-use asset from finance lease." } } }, "auth_ref": ["r554"] }, "us-gaap_FinancialStandbyLetterOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialStandbyLetterOfCreditMember", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Financial Standby Letter of Credit", "label": "Financial Standby Letter of Credit [Member]", "documentation": "An irrevocable undertaking (typically by a financial institution) to guarantee payment of a specified financial obligation if defined events occur or fail to occur." } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAccumulatedAmortization", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Accumulated Amortization", "label": "Finite-Lived Intangible Assets, Accumulated Amortization", "documentation": "Accumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": ["r161", "r289", "r307", "r784"] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization expense for intangible assets, 2025", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year One", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r309", "r760", "r784"] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Remainder of 2024", "label": "Finite-Lived Intangible Asset, Expected Amortization, Remainder of Fiscal Year", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year." } } }, "auth_ref": ["r1104"] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFour", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization expense for intangible assets, 2028", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Four", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling

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approach)." } } }, "auth_ref": [ "r309", "r760", "r784" ] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearThree", "crdr": "debit", "presentation": [ "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Amortization expense for intangible assets, 2027", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Three", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r309", "r760", "r784" ] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo", "crdr": "debit", "presentation": [ "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Amortization expense for intangible assets, 2026", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Two", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r309", "r760", "r784" ] }, "us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsByMajorClassAxis", "presentation": [ "http://www.3dsystems.com/role/AcquisitionsAssetsandLiabilitiesAssumedDetails", "http://www.3dsystems.com/role/AcquisitionsDefiniteLivedIntangibleAssetsDetails", "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets by Major Class [Axis]", "label": "Finite-Lived Intangible Assets by Major Class [Axis]", "documentation": "Information by major type or class of finite-lived intangible assets." } } }, "auth_ref": [ "r300", "r302", "r303", "r304", "r306", "r307", "r310", "r311", "r572", "r573", "r760" ] }, "us-gaap_FiniteLivedIntangibleAssetsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsGross", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Gross", "label": "Finite-Lived Intangible Assets, Gross", "documentation": "Amount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": [ "r289", "r307", "r573", "r784" ] }, "us-gaap_FiniteLivedIntangibleAssetsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsLineItems", "presentation": [ "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets [Line Items]", "label": "Finite-Lived Intangible Assets [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r300", "r307", "r310", "r311", "r312", "r572", "r760", "r784" ] }, "us-gaap_FiniteLivedIntangibleAssetsMajorClassNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsMajorClassNameDomain", "presentation": [ "http://www.3dsystems.com/role/AcquisitionsAssetsandLiabilitiesAssumedDetails", "http://www.3dsystems.com/role/AcquisitionsDefiniteLivedIntangibleAssetsDetails", "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "label": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "documentation": "The major class of finite-lived intangible asset (for example, patents, trademarks, copyrights, etc.) A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company." } } }, "auth_ref": [ "r300", "r302", "r303", "r304", "r306", "r307", "r310", "r311", "r760" ] }, "us-gaap_FiniteLivedIntangibleAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsNet", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Net", "label": "Finite-Lived Intangible Assets, Net", "documentation": "Amount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite 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noncontrolling interest share of the net Income or Loss of the subsidiary, the location of this amount on the income statement (when not reported separately), the nature of
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tax and before adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale." } } }, "auth_ref": ["r169", "r171", "r273"] }, "ddd_OtherEquityInvestment": { "xbrltype": "monetaryItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "OtherEquityInvestment", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/InvestmentsandNoteReceivableEquityInvestmentsDetails": { "parentTag": "ddd_EquityInvestmentsAndSecurities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableEquityInvestmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Equity Investment", "documentation": "Other Equity Investment" } } }, "auth_ref": [] }, "ddd_OtherForeignEntitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "OtherForeignEntitiesMember", "presentation": ["http://www.3dsystems.com/role/SegmentInformationLongLivedAssetsbyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other foreign entities", "label": "Other Foreign Entities [Member]", "documentation": "Other Foreign Entities" } } }, "auth_ref": [] }, "us-gaap_OtherIntangibleAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherIntangibleAssetsMember", "presentation": ["http://www.3dsystems.com/role/GoodwillandIntangibleAssetsIntangibleAssetsOtherThanGoodwillDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Intangible Assets [Member]", "documentation": "Intangible assets classified as other." } } }, "auth_ref": ["r784", "r977", "r978", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r986"] }, "us-gaap_OtherLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-

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"r173", "r176", "r192", "r200", "r208", "r214", "r217", "r218", "r281", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r487", "r494", "r496", "r499", "r500", "r512", "r531", "r611", "r624", "r671", "r708", "r725", "r726", "r804", "r805", "r841", "r947", "r1003"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDBALANCESHEETS"], "lang": { "en-us": { "role": { "verboseLabel": "Property and equipment, net", "label": "Property, Plant and Equipment, Net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r10", "r557", "r612", "r622", "r814"] }, "us-gaap_ProvisionForDoubtfulAccounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForDoubtfulAccounts", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS"], "lang": { "en-us": { "role": { "verboseLabel": "Provision for bad debts", "label": "Accounts Receivable, Credit Loss Expense (Reversal)", "documentation": "Amount of expense (reversal of expense) for expected credit loss on accounts receivable." } } }, "auth_ref": ["r186", "r285"] }, "us-gaap_PurchaseObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligation", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Obligation to purchase inventory", "label": "Purchase Obligation", "documentation": "Minimum amount of purchase arrangement in which the entity has agreed to expend funds to procure goods or services from a supplier." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInNextTwelveMonths", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Purchase obligation, to be purchase within next year", "label": "Purchase Obligation, to be Paid, Year One", "documentation": "Amount of purchase arrangement to be paid in next fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "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": ["r880"] }, "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": ["r880"] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": 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long-term contracts or programs including amounts billed and unbilled as of the balance sheet date." } } }, "auth_ref": ["r942"] }, "us-gaap_ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodNetOfTax", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/AccumulatedOtherComprehensiveLossAccumulatedOtherComprehensiveLossByComponentDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Amounts reclassified from accumulated other comprehensive income (loss)", "label": "Reclassification from Accumulated Other Comprehensive Income, Current Period, Net of Tax", "documentation": "Amount after tax of reclassification adjustments of other comprehensive income (loss)." } } }, "auth_ref": ["r13", "r17", "r179", "r540", "r545", "r546", "r627", "r945"] }, "us-gaap_ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodNetOfTaxAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodNetOfTaxAbstract", "presentation": ["http://www.3dsystems.com/role/AccumulatedOtherComprehensiveLossAccumulatedOtherComprehensiveLossByComponentDetails"], "lang": { "en-us": { "role": { "terseLabel": "AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward]", "label": "AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [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_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": { "en-us": { "role": { 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"documentation": "As of the reporting date, the aggregate carrying amount of all noncontrolling interests which are redeemable by the (parent) entity (1) at a fixed or determinable price on a fixed or determinable date, (2) at the option of the holder of the noncontrolling interest, or (3) upon occurrence of an event that is not solely within the control of the (parent) entity. This item includes noncontrolling interest holder's ownership (or holders' ownership) regardless of the type of equity interest (common, preferred, other) including all potential organizational (legal) forms of the investee entity." } } }, "auth_ref": ["r39", "r40", "r118", "r119"] }, "ddd_RedeemableNoncontrollingInterestEquityCommonStockPercentOfExercisePriceToBePaid": { "xbrltype": "percentItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityCommonStockPercentOfExercisePriceToBePaid", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Redeemable noncontrolling interest, equity, common stock, percent of exercise price to be paid (as percent)", "label": "Redeemable Noncontrolling Interest, Equity, Common Stock, Percent Of Exercise Price To Be Paid", "documentation": "Redeemable Noncontrolling Interest, Equity, Common Stock, Percent Of Exercise Price To Be Paid" } } }, "auth_ref": [] }, "ddd_RedeemableNoncontrollingInterestEquityPercentOfCommonSharesExercisableUponTargetOne": { "xbrltype": "percentItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityPercentOfCommonSharesExercisableUponTargetOne", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target one (as percent)", "label": "Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon

Target One", "documentation": "Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target One" } } }, "auth_ref": [] }, "ddd_RedeemableNoncontrollingInterestEquityPercentOfCommonSharesExercisableUponTargetTwo": { "xbrltype": "percentItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityPercentOfCommonSharesExercisableUponTargetTwo", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Redeemable noncontrolling interest, equity, percent of common shares, exercisable upon target two (as percent)", "label": "Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target Two", "documentation": "Redeemable Noncontrolling Interest, Equity, Percent Of Common Shares, Exercisable Upon Target Two" } } }, "auth_ref": [] }, "ddd_RedeemableNoncontrollingInterestEquityRedemptionValueInExcessOfCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityRedemptionValueInExcessOfCarryingValue", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestScheduleofRedeemableNoncontrollingInterestDetails"], "lang": { "en-us": { "role": { "terseLabel": "Redemption value in excess of carrying value", "label": "Redeemable Noncontrolling Interest, Equity, Redemption Value In Excess Of Carrying Value", "documentation": "Redeemable Noncontrolling Interest, Equity, Redemption Value In Excess Of Carrying Value" } } }, "auth_ref": [] }, "ddd_RedeemableNoncontrollingInterestEquityRollForward": { "xbrltype": "stringItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityRollForward", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestScheduleofRedeemableNoncontrollingInterestDetails"], "lang": { "en-us": { "role": { "terseLabel": "Redeemable Noncontrolling Interest Equity [Roll Forward]", "label": "Redeemable Noncontrolling Interest Equity [Roll Forward]", "documentation": "Redeemable Noncontrolling Interest Equity" } } }, "auth_ref": [] }, "ddd_RedeemableNoncontrollingInterestEquityTranslationAdjustments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RedeemableNoncontrollingInterestEquityTranslationAdjustments", "crdr": "debit", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestScheduleofRedeemableNoncontrollingInterestDetails"], "lang": { "en-us": { "role": { "terseLabel": "Translation adjustments", "label": "Redeemable Noncontrolling Interest, Equity, Translation Adjustments", "documentation": "Redeemable Noncontrolling Interest, Equity, Translation Adjustments" } } }, "auth_ref": [] }, "us-gaap_RedeemableNoncontrollingInterestTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RedeemableNoncontrollingInterestTableTextBlock", "presentation": ["http://www.3dsystems.com/role/RedeemableNonControllingInterestTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Redeemable Noncontrolling Interest", "label": "Redeemable Noncontrolling Interest [Table Text Block]", "documentation": "Tabular disclosure of redeemable noncontrolling interest (as defined) included in the statement of financial position as either a liability or temporary equity. As of the date of the statement of financial position, such redeemable noncontrolling interest is currently redeemable, as defined, for cash or other assets of the entity at (1) at a fixed or determinable price on a fixed or determinable date, (2) at the option of the holder of the noncontrolling interest, or (3) upon occurrence of an event that is not solely within the control of the entity." } } }, "auth_ref": [] }, "ddd_RegMedMilestoneMember": { "xbrltype": "domainItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RegMedMilestoneMember", "presentation": ["http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "RegMed Milestone", "label": "RegMed Milestone [Member]", "documentation": "RegMed Milestone" } } }, "auth_ref": [] }, "us-gaap_RegulatoryAgencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RegulatoryAgencyAxis", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Regulatory Agency [Axis]", "label": "Regulatory Agency [Axis]", "documentation": "Information by name of regulatory agency." } } }, "auth_ref": [] }, "us-gaap_RegulatoryAgencyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RegulatoryAgencyDomain", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Regulatory Agency [Domain]", "label": "Regulatory Agency [Domain]", "documentation": "Organization that establishes and ensures compliance with rules or regulations." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Domain]", "label": "Related and Nonrelated Parties [Domain]", "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r271", "r423", "r560", "r561", "r615", "r621", "r680", "r681", "r682", "r683", "r684", "r705", "r707", "r732"] }, "us-gaap_RelatedPartyMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyMember", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party", "label": "Related Party [Member]", "documentation": "Party related to reporting entity. Includes, but is not limited to, affiliate, entity for which investment is accounted for by equity method, trust for benefit of employees, and principal owner, management, and members of immediate family." } } }, "auth_ref": ["r202", "r203", "r560", "r561", "r562", "r563", "r615", "r621", "r680", "r681", "r682", "r683", "r684", "r705", "r707", "r732"] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Axis]", "label": "Related and Nonrelated Parties [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r271", "r423", "r560", "r561", "r615", "r621", "r680", "r681", "r682", "r683", "r684", "r705", "r707", "r732", "r1054"] }, "us-gaap_RepaymentsOfConvertibleDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfConvertibleDebt", "crdr": "credit", "presentation": ["http://www.3dsystems.com/role/BorrowingsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Repayments of convertible debt", "label": "Repayments of Convertible Debt", "documentation": "The cash outflow from the repayment of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder." } } }, "auth_ref": ["r104"] }, "us-gaap_RepaymentsOfLongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfLongTermDebt", "crdr": "credit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 3.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWS"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repayment of borrowings/long-term debt", "label": "Repayments of Long-Term Debt", "documentation": "The cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer." } } }, "auth_ref": ["r104", "r667"] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFOPERATIONS": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFOPERATIONS"], "lang": { "en-us": { "role": { "verboseLabel": "Research and development", "label": "Research and Development Expense", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } } }, "auth_ref": ["r463", "r760", "r777", "r1063"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://www.3dsystems.com/role/RestructuringandExitActivityCostsCostsIncurredDetails"], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense [Member]", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } } }, "auth_ref": [] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date:", "label": "Restatement Determination Date [Axis]" } } }, "auth_ref": ["r849", "r859", "r869", "r901"] }, "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": ["r850", "r860", "r870", "r902"] }, "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": ["r857", "r867", "r877", "r909"] }, "us-gaap_RestrictedCashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash included in prepaid expenses and other current assets", "label": "Restricted Cash and Cash Equivalents, Current", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r21", "r159", "r197"] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://www.3dsystems.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": ["r159"] }, "us-gaap_RestrictedCashNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashNoncurrent", "crdr": "debit", "calculation": { "http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.3dsystems.com/role/CONDENSEDCONSOLIDATEDSTATEMENTSOFCASHFLOWSParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash included in other assets", "label": "Restricted Cash, Noncurrent", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as noncurrent. 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." } } }, "auth_ref": ["r148", "r941", "r954"] }, "ddd_RestrictedStockAndRestrictedStockUnitMember": { "xbrltype": "domainItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "RestrictedStockAndRestrictedStockUnitMember", "presentation": ["http://www.3dsystems.com/role/NetLossPerShareEquityAwardsDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restricted stock and restricted stock units", "label": "Restricted Stock And Restricted Stock Unit [Member]", "documentation": "Restricted Stock And Restricted Stock Unit" } } }, "auth_ref": [] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": ["http://www.3dsystems.com/role/NetLossPerShareNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "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": ["r24"] }, "us-gaap_RestrictedStockUnitsRSUMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockUnitsRSUMember", "presentation": ["http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails", "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_RestructuringAndRelatedActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesAbstract", "lang": { "en-us": { "role": { "label": "Restructuring and Related Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RestructuringAndRelatedActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":

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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": [ "r143", "r144", "r235", "r242", "r243", "r257", "r263", "r266", "r268", "r270", "r418", "r419", "r571" ] }, "us-gaap_RevenueFromContractWithCustomerMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerMember", "presentation": [ "http://www.3dsystems.com/role/RevenueNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contract with Customer Benchmark", "label": "Revenue from Contract with Customer Benchmark [Member]", "documentation": "Revenue from satisfaction of performance obligation by transferring promised product and service to customer, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": [ "r270", "r937" ] }, "us-gaap_RevenueFromContractWithCustomerPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": [ "http://www.3dsystems.com/role/BasisofPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue Recognition", "label": "Revenue from Contract with Customer [Policy Text Block]", "documentation": "Disclosure of accounting policy for revenue from contract with customer." } } }, "auth_ref": [ "r152", "r410", "r411", "r412", "r413", "r414", "r415", "r416", "r417", "r761" ] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": [ "http://www.3dsystems.com/role/Revenue" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": [ "r152", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r409", "r421" ] }, "us-gaap_RevenueFromExternalCustomersByGeographicAreasTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromExternalCustomersByGeographicAreasTableTextBlock", "presentation": [ "http://www.3dsystems.com/role/RevenueTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Revenue by Geographic Region", "label": "Revenue from External Customers by Geographic Areas [Table Text Block]", "documentation": "Tabular disclosure of revenue from external customers by geographic areas attributed to the entity's country of domicile and to foreign countries from which the entity derives revenue." } } }, "auth_ref": [ "r109" ] }, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": [ "http://www.3dsystems.com/role/RevenueNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Outstanding performance obligation", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth_ref": [ "r149" ] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "presentation": [ "http://www.3dsystems.com/role/RevenueNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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VIEs of which the entity is not the primary beneficiary because it does not have the power to direct the activities of the VIE that most significantly impact the VIE's economic performance and for which it does not have the obligation to absorb losses of the VIE that could potentially be significant to the VIE or the right to receive benefits from the VIE that could potentially be significant to the VIE are not included in the consolidated financial statements of the entity." } } }, "auth_ref": [] }, "ddd_VariableInterestEntityNumberOfEntities": { "xbrltype": "integerItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "VariableInterestEntityNumberOfEntities", "presentation": ["http://www.3dsystems.com/role/InvestmentsandNoteReceivableNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of variable interest entities", "label": "Variable Interest Entity, Number Of Entities", "documentation": "Variable Interest Entity, Number Of Entities" } } }, "auth_ref": [] }, "us-gaap_VestingAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VestingAxis", "presentation": ["http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Vesting [Axis]", "label": "Vesting [Axis]", "documentation": "Information by vesting schedule of award under share-based payment arrangement." } } }, "auth_ref": ["r1012", "r1013", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019", "r1020", "r1021", "r1022", "r1023", "r1024", "r1025", "r1026", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037"] }, "us-gaap_VestingDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VestingDomain", "presentation": ["http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Vesting [Domain]", "label": "Vesting [Domain]", "documentation": "Vesting schedule of award under share-based payment arrangement." } } }, "auth_ref": ["r1012", "r1013", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019", "r1020", "r1021", "r1022", "r1023", "r1024", "r1025", "r1026", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037"] }, "ddd_VolumetricBiotechnologiesIncMember": { "xbrltype": "domainItemType", "nsuri": "http://www.3dsystems.com/20240630", "localname": "VolumetricBiotechnologiesIncMember", "presentation": ["http://www.3dsystems.com/role/CommitmentsandContingenciesDetails", "http://www.3dsystems.com/role/StockBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Volumetric Biotechnologies, Inc.", "label": "Volumetric Biotechnologies, Inc. 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['XK>M-*W^!)%]M H]:/+XW0[^&O MJX?_YJ69X$^MDYX/5Q*_]M;QG]#*<(V6'[D$\F?1%U%;@,_^ZF- M3U2!_=?S($1V$'P"+FE $4R<67583VV$I JL+U+3TV &4!NRJ0(XSK@LT(5 M;J-'5<#*F=80&G!24N *]UFR#W/M"0FK-P=/" X.CD<] DC:!'H6Z(]W;!_)]Z3C7A2[)M6\-L@ M8%;[)?O(_(QMS6!M!?<]L/PT+S/X MVO=P1TU(K(XG)_CSVP+C8[_9NW-Q@:/X!CQK,C7AG^_W(XGU= O]*;])],;] MW0DG"6.=NBP^>CA2DB*G+IYXA"-+A=;[MWNO64D8,ZF*]'"D'!DQ(L3)M%:@6,^FA9Z@55/,:$N+$@54T]2%"]C@!\P MQ? +GR!A>7/T8U$T]J QUE&.2TRP3QS6F2" M>>:TR 1UGGD5SAD5<]:C39U/7C%>Y%ASN$V=-WX2+W V%#D7"#>/:59%($2! M.@^*ES(411$@3]OFI!#[47) 74N=A4XD*L,4.=/9^+ ([(7O8(+N.0] -0Y MT=23/U?T4^)$KC)1+|^9E+]\?WEUQ*)>KO/YF9&K9%#G M.Y/H'GJC/7=!?QR5A/T.PHF/>/(^@A _9O=30&S4M0LW,.>VTX7FR#&].|^> M!R%T3'?]A !7CS6]HE68H.0E-2)U[G75&?4^MJXFCZVK&^*?):(KBM2YZU7G M:D%Z4]3.JZ\1H_*T+D3JG'^J&)78%B(! :!%%*F+;3!TU6:G712I"]TP=-4FKU\4J0M',735)C=%%*D+L3%TT6VH M4Q<&9("AVP6O::BRYX6F-;GS"DANW^]>*,AY<4*]:2SR/)S(4R:DFL8/S\.) M/)%B%P]$2K#.=>(U+[KV)B>/3PL![Q+W_K-A(XY][STC13?$@]E2S7P\!7U =A4==^(4QNS 34:8N M:,.838G.IS.NM*PQ.K" AZQ-?[T"+S^Y]2&PS. .;$G:'E?9%MAL;*$S[D,- M6]3DTJ+FR18Z@R_4L$5+SA8M3[90%P%AR]M[PS6W% B9NJ@)8 ;NHBDGMV7D MO-2 0F4,I__J 8BK.JT!\;_S]?_B!+],1I\6G7FTN=>82>P4*L,S)1(W3V=< MH3;RTGTUH:VK3QXG:*[^=# Q(?CA.6'P./AQI.AUXG<^NJ:W+K-S$2 +QI&^_M.7[\9OQ2?%T1.D*M? &;"\=#2=D\"G51&X:',M.$%.K"14O> M?)L'C@>"@!1V#!R<@;%FTV^^BURE$!)&A79I-2*B-$E'$J&T'1VI*[7R$A-J@35&T/SJ ,O.[DHK?.PAD M$C^5NN@,E1 X5X))*1"@+H9$H0:F@E'4QJ,H9I2R0?TCC%)R8Q2U@2**&+5M MTRAYV31JY8(R (Y].#4]"Q!'O#]%2U5]XQT4P9R&0(3* A'I&55&!%&E-FKQ M3GEML^>]XX(@]+TB=!<5\D-MC((:MI0B+=2&+ ;PY0D\?P?VBB7U%!2-VF@" M#1PI0T8TYMRG9%1)F\D:<^[3,Z],+|"MFL[|S>S1=TUXANPV44",R<7!U*CU MY M/FW<*66=KY*+CQ9Q_-P70+XKVHTL2UZJY-V?G2.ER$B5'/OS=N')*D3W\P V+B= +K%)/PBQ@$T/330X02"HH/\9>DV:CW^4WGUZM>44]1Z M_R=RJE_XQEE9G*I25.!=!*WKV7MB:C6UMZL4*Z"$3V7(DU&E" (-?"K)'C>H MC2O0RZPH_^#!L0]5R)#&HC##1PD)0UA]K80ND<*4MK41M5 MH($CI:SWU,8.DF4+U%1.]CT3T,*54F2E2C&!VN\<&%7R_&N_7]"FUK^GN #H MQGOK:8&WJ8TFK,HS1TVP<'S;]\"?[IKJ="UK/IV3_E.X6K/S[%W/(02>M>C: M_YY';;3N/,N=VX]W_.A#$A\/T5(XFH>X&_0?_]3!3HNRZZ9-F=I^A#OKD5 M]FU3&V= (S\$;,'8\8$>=D$CAL>!2N$AM;"(I%WW+J3>']{U5U$Y3TA L;%,; M'"*FE6]6"Y=1&6FHGX045/&E3&Y6II= 6Q45]HS@5MX7RXQ"UD9TZ:\H<6]M) M K71H+IKRERY6/GH#8V:,E<.U2@Z0[FFI""<*@F5#^-42]U2P7(6%RI%1^<6 MV9,$%N]I Q>K&KW!6YT;'/SA06"ZSG^!?>\'0=|;3!"SA@!.[]P7< E\K'P, MATZ;-D<.53X^4YD5CX(T'DFH4;"G LLC#2P7JQH=JNI:2@73*Q\JHQ:WUZ8 M\PK+2V*-@DT5T-1%<;&J.:2J*M^B^%CYP!"ECDQ^'*I1X*6/T>NZ^+JQZ"@ MH&*.IP$EF;J00]G4S?,$D4R=;Y^0NM]Z5< N=5YVV=3-%;O4^=-']{O7Q'XX M 3#>7.CA43M%%/\]"L_4>><=4S/*KIS"#+QI.36H-24C/4KLEB#U'F^ M9^-88M_A"3SC?1@? +KK/9'=U72C3@Z<$&5 MK[^;S#BZG[R^-)LJK50$,8ZT.""X=LT@Z%]TM:_+<8VK5)2N#,;4Y>90 M%_9:Z]EW?"\DF]8\(R>:EF81$I2Z 1"&CWK=WD=KY" EU<1@*:?]> M2#:I?T1(-B_-)B34Q3Z*9E3B 0SFHP#]9XY&W7M!/ ;TL]N^H'B &$TIJ:FQ M>6DV@!0>YSB!$&IRFTO-RQA6J77TD1D\Z7HV_@[IX%=Q/^ M"<+;N6=7)[ZB4NO44T? V//.P5.I\]W6RW.K1+Z>]WSM!R'B ?H,P)?>-,=T MYOH+ ;@!4 (WQF7<99AT]@--E2807G:\!]U088*.RC/ MTIT:=98_!:L3+_>^9:XC02M/##&N/QX@!^P,:6VEV C4QAXHXT]) M%3HT:H.4E/&G)(])HS::01E_2HI/-3&Q+Q9P!(5;Q?D"T 31>9 ET;V0<. ML@30Q2^@]S;#^6UU79NHC494B'E;3>Z=1& M+!+0#GO()K3P[M<-\HE=? X:OC5E6SU5.IS:$03W'REK;JAW3*%G&2EG1JAWE M*%G&"E['G+.C^A M'T1('"![JABV)HCC61HH\5D>6H5B:(;05238M:?0O:!2N[PG"!1X=.JR:$^ | M3\(K16KIZBS|^NK8X>1*% (3_M[%U*69VTW2=9^_* KC*._HZF)E>YZ<1Q"_- M?H _>L/,>0S#|%UR)(AHZ^?,UFHZ.GH.H"Y;3$R4\H1\/=\/>#3<8=H>] MP?:8*1SMH'?]X^EN>-<;<-V'&Z[W? Z]_[3[\TN.N^]^_WPT&=_T'ZJ?PNXGD MRWL.?8_G;EK7+4X25*5=XK'%1,/^U\Y_J8>\3R[..E,IT4QO^T_?.:P//=|[MF$_10RPN5NU(*>'5%ZDSS\0KJPV\-HCF&:,+.J+0_"?13NNG MD]_Z$8K-3!LWH6BZ8!Q>R1J:W<:#<(,29[R/(G(\O+)?-45C%B8GZ^_HX?@% M05+H*L)FIZ6_YRC-1E =_$$\%EWK(8]7(3%_^XNH"5]W? Q8R)B/1D/[YH_LT[#W=_\$]]1[[3T/N\Y%EN U4&WW2G*)'3/!M M3=M<-!?(ZFT":PE+PJ?LPN,-JKWX:\3T%/E:(X0I92XV(M'3ENT^ +_6J:?\GT'BX"Z 0XIL'=.B[@'OQ6#-/$TMHCH0A\-]IXA&82"Z.* M8RYB4U8D27@OCB6JVY,]@'-"P9D^1UT9?KWQ^ M-8:''?F&&_PQ&/:^#Y / _H0T:'=(MG'!JP)U,"W[JO9E62*;-^6-N/5W.#+C!#%@X*&ISCL614J ML:2MX?*"$0G&- =$,7',6@*OE+U]M)YBYYN+*\,5EO8_Y7O$O=^GN%17\C0HN$A F!:_MR0&^_.SRM!JL:) MV\8GMDC?TR";_G9L<9MP^"%;-JW4DM2-SR!A>OQA^> 33E$Q>-\ SG"9*[3T MDNV#ZZCAP+5O;SM6:$ 6#MN'8 ;!%_RE-SHWP#5?30@^CKY\">T3V!<1 M]" #*T#FH?EV%^_R1!LSVR:*T>BTU::BR**L2@ARC4NHPZ'_NE*^HM#H//G6GJROCNN^IP*? M(KBV!1XBGGWXB'2]XUG)EP)1;'0&_CR<<-[_Y\RB MI2E^G=3H2&U=WO'LZ&'_ =LWGA4V?!\A(K$S,UVN]P:L.M.W:,(^)4<3%AU\ZQ9^Y$;'$.3WZ/F<]0XU\)]Q$/=7M1%!:DK26O*R*XM)\2\ MG]HTQ3SVC[",D$<DO1Y%1.Y>'/53G=DPX-2C20FZ=0-BBY MW5)%O2"?F3ZG:^B$+@D4 =.:L_H X][G3CHD[4B3>- QSH1^8$X_,%R(*UN>54*"7/?H\R MN0&S[,PD2B,B8BL#1HWV91!)!R%R,'AN9D+NQ73G@/NKT!($$6]:<<'DH[!/ M9DQ>(D=B^8[$>\4.K=&YN;EAE"X"^[U8? T0;+>]|7:Q=WKFY.E) :*Q_^/#/ M2#]XY2..Q^]2AVP.F+'G]]VH(MK>>38.2 %NM."L"4 31Y;AGTCI A+'PW8I M7+ESR#\3XXW[B1EP8\=%=]WINN@2G$B!S=W_S!UL[" (;=P3B"]"38WMWE03@ MPR@)8&GZ:EC,2[IC9W1S/)'///'4/TD;LQTAO*"+1O]&<\$W MD>O1G7@H\<-P=DE 1D)&:@8AUQ8XVUP$K=1ADNLYA.AQ48H*UAZA&6*^-BI]!;'Y1>)]M0)0R3QP$4B#'T/+V_N@L-5=A;<'5;0ID6B=3=F;$;) M*^\4VOH9F]|\TQQ=J0AJO.L]CTZ <(/FD/N$V:!_E62I%5\03IP C=BB.0# MB9]N29$YH5I64Q#X(90-A$-B)?\O9]R"-?- O5\$4Z1 T%O@&"'Y6ORZ MO.SH!8?'M]P06SGQQO?&NKS2\2(]A]S*IK2TVS:-M5;!8I>2W!+:^03WU%9; M-O(*$[95-9='H?EI1KJ$GT.? 2RU=_CB@6E"^#]7^Z#]%5XC,7WVX6*/.THN M(@\LQ1>M/5-):'3N]ZN##*&#A$2>.K;M@N1$SFOE$O:LXH6&0 ,8?)X(Z^[R MNGZ\5;ZF">56B'L/^^R%"^#@I4CGX)!953,>IUWG"%V6;72.GJJ2Q*/']@K0 M"V7:#;W]%O:%HV9)E5\(4:XCFAQ'CY0,/;GHI+27)=X6*-=U'G_@HO+(X=OK M63OC? <UE)#2YWGDXC8/(C<6S33Z$SPGI-QR$/&]W(7^.6O#GHU>BWGH:GY M6+6^. %9.N/VM-C\Q:GL^&)<>-HVH1UP.&'1L0\EU\B?S.]|/=7RHU.L(K.9 MD0DFP'67R.,^(3R1N$AT6A"'>*-HX.AA_<'VC\%'&U!+IS#WZI%$AM+6"F M)U;W\M'R%+D)TG9XZ=W!]S)SS+N/C_=WU]UO]SVN_W#_]SY=O3POV./N!H,? MO:=!R@S",O4#EF*/Y-ABF29Y)P'GST.BWK&>7V8#Q1+O!,$%-*;&F$N:LL-OD2ZB M07?^C"81*4])BLIC7"TW@&X)5="CYYX3B6G$@L8[T94:2!M;#K+M@Y\;=P^W M>[:JR1#)"*-Q]]?L' M:G@AP8T-+U'*B_]A1KE$SAOW/=H^[Q'?XUUUH"H=U2C[P$]"T@\CF^06P?MA MV'L8I[^!># E[LS;A$;+D%.?FV\KK;:0TXY!V!CZ2X)ZJ$*C\]A]&D:*\XYK,I_[3]UCYF^G/TF_'EPHMG;!5* '7? #RL61@Z4J #N;%W(9AR8FNS M>-?M*LJU*OD\P2"N1N22_HS$ V.B7KY8TF)"JG- MA+UF;)672[,,A/V?>"_)"4D B,@M^L!=_HW%WO6#.0[0=4?^/$2Z ?X)0N[) M"?YDLESZ6% (R'9=H8K)<+[9JL2PK2):1 AQ"Q#XBQX_0MX"-19<):NEC2+=*C2*JS]MXHP",V9S MRXB_Q-.\4AZG>7 &8T6/\YQZ+CKO^Q(26DL#]W.?Y, ;S-P=*0DG2E\/Y:[G M=;BCC!DN]TGWY5PG.EW(CI*E'_9U_^&F]S#HW> 30H/^_=U-=XC^^-:]1_#J M<8-?>[T3#@V=>Q:??GCFW'9"8*]:-YV]BJ&DM=,>3]+5EB;GT]93%%I"6\]M M;XJ6UZ DY>-*

*!5;&&4'N)0?+ *R=$+[^1F74:]#QN'#BS|%#]8#'K3/ +%P? M%/^\/G5(?;?,]C$O)!/>>YZS-MU2DM'@!EB 5$Z014('.557%-/Z\QGZR'|I MQL.U+ "0*T1%#;9D!..@.!IM+QF'N'YQLHOX8QWIL'*/DJ?>G&UQJ?H_)?W3R M>W]5L;CL.(=K?H3!U4F,?S?KU+PIZOZ1%7'I3Z.!@L/B M5.159[*X$NVG%(GGD0T+RP0M&>T B!;R\9QI'M@.E=+C>N]I46B"*/E$:GK?,*HF?5Q/L5 M3F&62A+?Z,)Q=$SX<\21BDQ>0>25-BU NB0G|\Y[02SS(4DK/A"H^$@8DIKP ME1:&(TIU2<,%DH&TX-<0^!61UQ69$GLVS^CAQ0/GB!;- AP= 4>5>-$P* %. M3GY&);3F(P0ST[$Y\#8#7A"?K/));JFU%?T]2:=>A(%Q1*?&%.Y%!.YZ-LG< M]1*BGFAG&(T.UK3:KE/![-7*P^F(IBT 3FT$)XG7Q,R!VO-8K=0'HJ@?8*WL M_J$?FFX>B]6Q7>":ZYUC\98,&D81D(;195YKBSF9>,F85 &OX5+1=BPJDP5M M8J.C23IO2'GM/!:'MDO9TGB$_@P-:4'<"YR ,,.YOV27@L7!, [H7$64?7=,+ MD3G86Q(WO2>.JR!I B]IM(0OF5]Q3K\B/QS)"$<*KVB95WNZPN T6\%W7FAZ MSPY.C(],X&W=R@+A:0/A2W)&E@@2@MZ;Y-)Q68NK^-T?"KP=&Y;M@1$+%G%@N$GZM53L8XW%T6%%W2! M$I."F:;G4YZG@@9O+(H:+Q@5"6S7P0Z-&ZQXSYP+S !PA")-?!SWCP'I<@=S_*G@ O--V:$9M.P-S%)[PA% MA^;;*B"65C+(2$ENV P Y8^$!W1K_F!2&YT%%Z2,X>5V!G,VEC7465=9DAG MBU6LLU(??,\Z*9$'E[%6-%Z16)YS#0%T+$:1!X!4|""%U^N6B%"AO-S]:O3D MA+M$B9&T42)UD8WDTZ^--DB4? 9O6_+5&QY!$7C'R"G(G9@RE]6F87%V:7"7* MLTXK5W]CTVX+O*;EY385*E>U*M2WOS#C_5WWV]W]W7"N-^"YI]Y-K_>|^^V^ MQSWTYK7_8?A4__^_N[A%^[N8=A[Z@V&7/? AANO]\\|?=\(\L1?TVV"8CQMC^ M'._5 -9)\CFI\7GSV'58V)13[%(ME::352S:6"S:V;/%62@L-296!1IGY@)7&&.;QQF+_CU&=#Q-$G!W+T7D);U& MA8D9@E*6^\N&(!$AJ,WK*BW)LY? D5B .PCFP-PI5?>!0L.VVY)H54_5^3*

"

*[5F5:SX@DHE^5;+'E\]CK%8PKE1A;_IZ']!W([UO](W ME.5BIE7ZMFU?7:,+\2-^=\+)DJ(;+F:TP4U,X1/%6&ET=%Y1:3D9PNSLXI>" MPA0KJR4JJA9%,D9K*X9[94QM-%1&IT5(E7919$KR&83DL /!U,,@*3QNOM MBK2U=V9M32AZ2T966R(4E%VI87_M-5HRH>H7X:B>|=W/)6'Q(FRC) 5F-N7S9*,(;YE*O,#Z%M<114FJS.2"(IUL MO*.!4X*B2\I(B?8A<[*E+W4S*/G^8UK1P.V*93V/SO"I6%0!:_M2L99\XS$M MUG UQW\IZOV8T=PMJ_?CM3^=.B%N)1=UE\=00,,'GH7XRWUZ\$/ MB=KG(WT@4UM":97?6^!<>8[[SKS=GL(2>(41,+;N,1EI! MS#QO<37O"PCG/0$;@"D^.L@A&CG>181? CI@8:]IB M,WQ-V;N8L+@E9;BX-B%\ M9 *O[+U0,L$KYM=E1-0&H6_].?%=9*0%?_N+(8GZ5])@.EQ<5&FKW*O8E6DM M^OBEB*T\]]>/Y/\1P,'$A.!#/7#W<+O/]/$] IQ'$_;A(#1#8/]FNG.P?F0L MVL)*M)6/E=&AP\&/XSES'DY\B'AA*

*-C%)'X?N+,G 3[DE1ENP$&S6W'Q2;]*O#+MBVFD& M@QB%$UBF\ IO3 F.>_8#Z,+F+@\|O" MXMAG+A])%*XLH@ \B!NL,39R\P.E12?-G%H >-C'@H^!9T+W>.Q$U^ZVS2SM ME"MR(:)>G2UM;T']3;ESD"];Q\@L5]XA2QDS%YTWC(FPSRG>N$G;ISINZ"0K MWA@BNXKV ,;T1:.3PT];:A#@,O@/O+^(,A[6ZL7,I]_C)K7K]DK,'4_9<9>O M$R^3W+OS!+-\B",*,:2Z= DI@]LJ.W#.WWU9;AW=>5QV5M* M%5/IK18E:ZP]BN35H+3_5AYU2!1MJBFY?$GNNZ7+%L8O/YB3T%;P632QQS'Y M=Q_2 A3QG9D";\G*$U_ :9(C2^T4U6,;;!I9R6Y6((/KE.6&K=@LF5;.MAQ MQE*R;_7M5];PEO%6?=9P+OX2KU3Z;_PB+RZF;37Z *]PNHGW)"H]9_8$]6' MQ2[W\B7'4+9Y"WCU})5S2@:5@$P#&1?P/GOUB",V MSEBI^:EJIS3/6L=5U1OEXM:*+?T2G*HM#FC*2T;\]5JN3JWK;+'(@?"L]VR MA_HD8D%$1A? 14|%Q5-I:5S5>*\YM>R%=[=?7=N=5:8^M^]*DB**-3;ZW H)+ M?$<-)]MX8GW_[^R]? MC8^_? OC\]=/;WSY^_O7@=0]ZK8^BK8[Q#T3GYHX1PYW]@KM]_48-WK(C2!Y@-M<3 ^ BGGAHR30$;^1+ MEM^;;;+O1 _,!X509A\$]Y+Q];<)WX @&#\=&49P;FGC.#]DT[MW[+&*25LYGC)@:6[7Z[7@:EL<&E'8S/KC6M68YH)&%3>F5?F3DQ1?Y(U[BEW MN=O1O 1$\)'ZQ?],OX1(^;LMPI@AFFWD]PONG7@$@!M+C M(7^#\,2]\F55\I3SL.KPULR8F^'O7E58\$]&?1'3#MD*#!A'R>4"4+K70YOO MG^Q.&&__I1R_[QGSL]\ JO[@!A0?B>;T].'-RT=>!%*/5#*LF*K[0!?! MWFH+O"W/0M@U>LUC]'JO_O[UK;6X;1[9_A96Z6V-O210?DBPY MYE9MC2-1(-!H M'#0;W7VHD#"*E!,/S;>\52.V",X4V8!IX=8F$";)$=?"8$"UK58X](3TY2EV[&<'DY.DRY5LX;R)_%4YC"6>UXT83J,&%MZ$/$50E M"/!H!N1$*B!V)DR2 MCA^4ZJL#N/KUXHCN(\=,3[&6:H#NMSGM*E&G F5QCO2"+D1XT/0T+MM; 3A0 MBA!U@,RD8BJA-IZ@)PWO'2HM*,]I<#:O)/3.".AY]C\PP?M$HE%D MK,).RE^0)>6GPBCY'K.Q>!ABT)O$?L"91:#8,_%9H'=SGYV/N/%:D>EC?$ M(T$'[L$9$N;6)=\J;\0S[\X+RE+F9"D."#0IB[?(%SK/>8.^,&Q[%5>(S16C MYD6AS9;F.C,Y&O9"]#JQ$RA(7SO#NRWMWL>L%(^3[T6H??13Z?W)3(;Q\.$6 M1,/6>6]ZS_[63%OLQL/,#S?R8 .;5Z.5<',6"7KUP!C? NNF64=+U,S/,#D'5=_MU6KX0Z2-(;CA/^45E!B*]_]U%WF M';H"#+828&!7M;1?Y'C"2UIAS,XZ[B*B4SC!XC-8!4]L@"N_K@(FYW$]4S>.<,2]=5#&1 MM&=_#C4.'J,8W6\N'+"/H>IK(>\=^1O-(%?2F?%;E/V?!K_K=_MH3+L;0DGT"?%S4-WW\7XBMP6=XXK5GTSL8]Y$ 8+?0*L%*/(U"@CRLI&)QCQ M1$LNKNO"Z&%13"!8F1V&@QFY.;-5FO-IN;3$.>RH*YS\8GBBS97.41UD)ZQH M7XLY/S\5\;ST-RWV-2VK*R1MO3(-0V>)G)=RCY@Z-T5W1I$]4W%F[-C?U*

*&1'L!IV";O\.H+3CM\V)X MI<=$0668OVY3SVX0SP5\'+%/Y[PL=4\E'5DUC\4>[I7HLBU// M,XI^ Z?;?40UAI1*&">A! O]^D4ER&>9<+]*C'X[/$9+?)YW<]RS0V7JY;+?$;HQ-I8+0O8812+>2Q7:HM!GFTN>R8<;/H_< M=_6:VE=P_*!I0!X? TOZ$3'884H!9^R%K'L",'^@R#XJ")Y3B/8RG3*@R!XKA MC]B*X??"D,,3 -TWPH8=%%KB>BHD202.Y"MF@[+H1$*WEEH6/*$8C-F=.:14 M_HH"9H;"'2S,)CB$0'1NQ "!O$*ECC=@R9243L,HJ$OCW4$XN)ROCDF*+%>L MI I? 04K"('S)AY5+X4B9>?C8<.S& M*8"ID/+08L'WEI'>4L)W1A\,<\;YG^4!3;R,>YT+A#6E41EBBL#'6J0S,5A\& >Z1_A<1<\-MY#:,\%0- JYGMH[],4(21X0+NU\UP5]+D*/9'0'C>+0'S[5,E*WZFKD-H BXZ M>1NG\P"/4[$%@9P[$&LIR#/M2RKPD;"-PQY>_8Z^U- K;0-.32$D6Q\CB01]8*@3DRO"0:7 S@ER90-M1$1N.9S1%+UT?E;_L+@%*04CA,++-&SNS'-PNT475 T\.V D.Q^B"OBI'"R6NQO%^53T1L)098\PQYN")^\ATF*Q.-)33+PPC8[M'$:QF|W!T05WL|#*B6>BHD202.Y"MF@/ @4C%9?VDX\I-%/QI1,Q4+)V2]I/&(I TP MEB&1S1\Q)4?CD*]+](E/^9M6]LKF-$*<=1[$SQX/$VX/X4E.B5]M"0.#[018 M[R!3!F%^" F+?B>B,UF0'CLN,4L7^$NS:PO%,IR+8Y3!2E18- ?!2+T]0!GM M*IF#0]\K.SI4=YY;N?-L;B6INMFIDJHW2DNP>"V*R&M:;CXU/I8@91[_T>* MZE,236')_J#R^CSOYB22;LKMZYL$,F+I5BDOH+Q ;G"ST;YQ+W:YZ(Y:3-CB M);"E/UQ=2&J9TG&1)DMD>M226HIRM\PV.>[STU85 2J2JVN&!Q$G;T 3_L>3 M(6[JC7<6Y3LG"W&PB2:>O"W<((_WO3:.'CWT5"5C)R:!0\E:M.# 9X99Q@DZ M!5V/V[53LN25&!$HQ0?F*ESNHY&;A2R7W;1"U]#_1+<.(C 9RESC2QW('R(4 MG8807:B6(0 Y]'@! WCBSD-;TV4#.E0:#1(F@MW7QZ.^!4ZXD5#E7,E *"M8 MT*'G:,U:2B/Z2,6]I-$7L^FJ,\4- G$GB78H_W@/1:N#,+OT06\(?O:=*XG5N M*8*1@VDY[$#+QXACHZ|S^T^-!-:]5"-Z@6:"XY^.'"M=Z,]EA?B&@/+FQQ&S/NI\[$-V&8H\O'#R+ K16"X1O)FDT@2U)2Z* 31(,*RZ79>LL^ MCF7V\]UCA/\[OJWCBS-3-@[XE[BI>|&V42*,(JD&[?D|C$)Z!1]R?;*[6WN_[79;+C1%+S):',?UO'?;M:LSC-M MO&W(Z?!L0],A?"0#OPZ @5C;9SY] X702L=@28 +]*=NZR77$P,G\>@"T2G? MT/>V X.*]9W16Q3-(>-"4RGF]< "&]XW0]*UCUN_0V\X7S1+>Z*]^##X)/K MKG57[,@XDYV_O$ D9^H7*.$[49PI612!L,_@@\6A,<U"/YL&K1U=]2D7OD =OKXS D8_A0:M4HM74XN+ M@U>+E]Y]Q72'FZQVW-%0:\US3;66COC:CSW,6(7=7[_?8\=M"MZ<0PU73"5 M.3.VK?TH][5:1S*!(N[Y$+Q"$>@0"XT);BJ2 Y&3DAQ*Z;@TL^W4S;.1I)_* ME]I\W7^Z9.W>3A_8$(94+?8XIO?-&3 IUDYU<0N>!2<0;NI?0FFD,6B83N_Z#8*7_"N+C.B MZ1>_-W+O_*/X;Q#=,\? _/7X[TW6[=&&\9/B;O8H9.9!6Z8?..@)PN(JP5]5- M2/7"9>1DRX@*>4'IR54/GC%I\QPJ=^UAS]JBB+1|&9TS!]7P3B9V:OWZG^HN2 30[/HZMUO"&VCC%J((<"PSMX(E0,ND^D#,X?WD_VR+G$0(_Q-X@_M#G@CM]#N_7#+=(NM[#-[DR#0 QIKJ9=KR5CGEL[BT3Y3$9X? $'Y(^D(>A(S(_MP^-RXSQ^O+03VRF!1+18RYHG(IH?1%TP46F>OC#;-?8@VH=\I>Y!AL]_@;Q.PD M-*./F]A:4S\OOS]LUGNUWN?6NW6*Z[V7K;) (6[KXY>+ZXO!%9-FXBEH;(H&U M! GNU'(B_6(Y$6JA7[<:O5I9?U]\/6]/L95O6P-C$9[.8+\[I2>QKG5^7[O M'=3&,;A[QFDZN6PT'A\?==9- _3[ZU>C%PS&P-34\]]Z)&ZZ3.HVN:;3M3H/U MUC2-9KO5-9J&95T8K89C-.L=NVW]97I/MFOJX_0!$,_^O>$4:YB<$/85X"Z# M0O;/-: 0+Y; [WI#9'E!SDSV%@_5_7'L!W"A[.7@RN^!U-9I;-)S^1;[=8,;9 MVO-_659]+I"UMC)_,'^30=VKE1M@+=[Y"ELK;*VP=0UL;1EVR[(-A]VMNFFU M+MH% <&U6X+I-<+U-?-K4%MTQN+86@*O).U^!ZT[_=6%\X"[K]97=[\Q7;=A7 M$; [6]1"/5===+!W.]5!DA.S1"+LQ.TV:VB&%U+:O!!O27+4V/UFN:'JOG^N#M M#JP:O=+V^#I,(ZA(A):':;YI>6C+C8XKSC^7-SFT#105EZ9#\G]9(]+2# [85;_[#PF6_0;E<.6"$?(8Q?0I)CH6C<[%7I5Z%6AUW+T MZMJFU3(MJ]TQ+XR&:[>;[:[I>D]-CF%-B,HZ66.N#]SQ#,0@>OT! R0@=U4Q MX]:UNYI+ 6QY$_9RNISEGKF-=,VV[;K9L8QVZUQ!.'K#1.;9]7*_*_AL,:5T M.YBWXK$-@:;3X^#:?.MQ75_"Y<_A,GF/]6:S]CF&2]9.KP,O?03V5OM:Z\\2!GW,H%..Q6 [0@CZ!R?\B2VP M_OU?%/_4OGA!P+[_'D^35&07U;1;O:=CYE(*GWM;_NC%!^,,>;,A7=#0W@[Z M5CATU#CTJE%G>\8A7*=L81M_8Q@18M_@>O(V2MD[W"D2<+8A\3$C*<\@P3Y? M'SZ6!=E6\%'!QW'#!QX#K:9I7;2,5L/M&,UFN\V.@;;!4<0T\@?!?:SUOY\H MAC'@ MY@K(YP'WN_W0"9Y'NM\VN#O@O:W@K8*W(X W2*;5<';T< ;'!C_9'T-74?[1QQ-)QO 6XDA M5\%:!6][!R"'-]=UZZ!@?QGM)]OPGIY4UPGFOLWP9#TO?G^=9%JOV$=/"_[M6\S.C/[$"1AV>,,IDF&*6E8$""]=9I_7QK0-"2]])QXXH9?4OSX%W@PJ.<$W MEF%8 OPH8%VSNAQ2]B()U3WE6\4X2V+E^_TB7;F7;+P M'7K"R%!* [1KN"Q H2*TC<%!(M M"8F5V7>@9M]Q0>))>]7VH3UP WASVR^NCA-8%S>8F]S|[X>[S]I-F*0.^(JO MH^$4@S/KJ+J^^-P5G[L1ZT%(%>\|)X: GCP!G+++&>B">7'MI XN)&W@#9UI MXE%3;4+O2IU[*J\)\0"NRY."9#M9I\0[]9NPLA&.RD;8UT+M7_W7B2_4[\Y3 M%$8/,Y;- IUZ88$#U<.PJ9"NWVCL.9N)):.|ZG]^>2EXYP5!4S_LAS^!8JU2 MT,.,1E#0ZX^?WIZ"7@/O@U_IYX'/(NCGY]Z'MZ>?GYV!%U2J>< 3"*KY[>[C M":KF(IW\1A2;U:Y^Z!-H&DWME!3R*F)=T;X!A>>>'6,'J8,#1RTBB>::S[(7)_M90Q?\U1;^ZEVR'<%$7:9<+F9Q-*<# M5+=1S&EHT!7MARXF;+M;9!O+]V95P[+57ES#PPL?? 4S\FAE!YA239!'/1K>7/('D MG M&K(?87O.-!U',1O=ID"SX[*I7;W3LC6 M5V!]R55'^\7EE_9A$I;G1N3,L'(#R]R=A37WV!N[D?HP>UU^H_WM5>7C;20- M[9_>:!1[,^U:UZYBSQN.2\(IMJL&*Q[C2,NTX)(]QPS-P'0=A9*^- \^_Y* 9\AW;:WM:NQ[H_FXFFHV7G$V MSB8RH&DD!<_YULO2|!;LC-:>=\:%) H'8ZE?LP/V98YG0T1L;'-D M[5U==^(XMGWO7^'+RU2OU53(1U4E69V:10*IRG0]< .IFGGJ)6P!NFTLVI*3 M,+_^'LDV-LBV+$,F[G'JH0*VSI9TMCZ.CH[$KW]_7KC6(_89H=Y%Z_!]IV5A MSZ8.\687K8?Q=?NT]??//_WTZ_^TV_^\O+^U>M0.%MCCUI6/$<>.]43XW.)S M;/V@_A_D$5E#%_$I1?M]FG[=/)X6G[Y.3C47LR M/3IKGQZBDR/\\? $GYU)T&=VSNPY7B_+]N:Q\V=VT9ISOCP_.'AZ>GK_=/R> M^K.#HT[G\."? WVY',FDK2NL2[X^-U;\3WXW3'Q^(UQ/$<)S<<9R-U,<.6S&. M%^R]31<'HKJ=C\>=.+7 (@7HQ&,<>7:"SOTV7RTQRY.!UP? BMM%.NW/8/@)1Q+E/@"UT!>#T]1X/*+5N#I&2"73 EVH&6X6'"_D2#U_MFB-_AOD=6F"V1#8NHYK//UF68(PLEM3GEJ?(3A&;R# (SGTNQEA6R>TMMQ&6C M%2D9))754](?8)1=O++D%F8Y+IV^)C^_ (FH9!MGFMLGS>|*T=R^VC#$F_,RM#++=C&3*[M2UY;T$G* [VS78JP[O'$Q(DFC8D@@ANWW_IX8-/_X_Z]3)?($HF_F'2 '-M$Y.\X^3B0^4\L>V8Y!DG%Q\R\D2>1[F4%T^B9\LE\;8T?_"/1-,JC]OO/9[& M5@Z=,E]CG!+#V[28"YCZ<7+9CCVO%P_?O2Q^^A M(\$*!7^S#XK7D_%F,&?(ZMXF]8DA1#.\;#&@P<6AAFIKUMY)K6&T3LP*W2Y(7X&- Y;!"S+*PJ&^1#-H'3B^QJHL4O#@KM>_&_5[\&$TN+WI=,A\J%Z<\P)%'B/-MW&WB:HD\JD*D]6XCEY^;3NQH#/]_Z]^-1X/KP:!_WQW?P- O=2,W!U!)Z7(0 M!-X;7%M)!F]4)F]_&GP;WO>_0IJ;[_W;P6B/C*K06F)/]A"[D8\E,GHC,,5" M=_3U^G;P8Y_$KB&UA'ZH1"C@6S*#-R(SM+ ['6;4$OI;BC[M1_#;/YE,R&@^N M?OLZN.WU[T?]_WVX&?]K?W1G8&N]_E2%ZG1&?]/"K-Y(+B+BA3JX+B,M_:?[-MHK_!??X2, <+H=)BJ1&F&LV2UD)T)QP)AMDM9X&/X(E$L.K72. UBH&O_&1-F MT5AIU6\(Z73^L;.M\[1X@U1|CQ^Q%Y3WE\7IM0H^W%9P)-D@W=YX4&-.?8++ MM^*TC%;'1]LZ3DDW2,]?*'6>B.LBS[F!2G@S,G%QES',R^N]"$/+P_$V#S&: M!7!6@F>%@_VB1C1(QH4QPD-5=Y3C>VQC\HA-&T9] (A=$2\)V5B>)X"0_M!*M$!O$SBU&S&!LBI)K-?YA6^.A8(,4V[5M/\.M8*X!6-#^-+4$3XA)N,A$40&@) M^:*@:-Q),-G<)9Z7P&L3+)? 5]^D2\67D>4B):O7]2#/FU<(.4?(\=C!=B*+VC MWA7U.+R%#.8!S%4C!O8FAH@+2&GJA$:0*P[[53H%;,VB"F1IS:?\!B$SM7_M=+'$'C-;[.: (;UE1UKL2]"V1K#14@ZBX\4"M>(R>C=8*B8Q.Z9^4!6\H;4GQ M!BGZ#O-;RM@0^Z,Y\LL;H=MR6H4K"V! L_2$!1B6!&F0VL$""1:B%#BT9T0W M]_$<>CIYQ$(K)H:1!DE+C;)N3F%&]M$&JJ2M062-\$PLCVX\<2K!<$Y01;5T M*,OG",1*H31(^]#T%F2]W!4F"I@GV+- -5@]%&%H^E!5S"DTN(3;P&L3,_2+^_M=^0&^!LL:$$U4B.E.^-_*H4'VGPGO MVIP\$KZZHLR $SV2EA]EL;V!*?N+0+5B6$OB-HBM43!A^,| *M!_-.HPBJ"6 M"V4!GD!8(4:#!)ZQ%SFD+C&:1XHPBMDX.5$MX,Q]3>M=C-BD3>;T=N-8^".J M;71&HEHJ,BS>!,1Z%\(T2?_1;J2AZC>EM%I7#-*

M(OHD*3VU-&BI=E=0J/G// M)\)HHO(+=C<-R=_C:\O/D+1"$!U5I\I&5M[N81/YV=]E,B0F6UK+2(F=KB9RH=VH,C<,2N%1 M^:]T_=5$!M7-+-.1+@]RU&9/;$F4])UV!L;$.7PM(0I+H=2VP!-I##M>KQ# MQ@_%>=<0]S!%QJSE!%1 M68H+8M,=N@;\V7H783:5H-_'ZTWM6*$9\$",[M0M5@)62V)&E&N:Q,A[)#I>>K4;Y?+&;"\$QK?0SA5?WB[5?/DM6QE!-I&.QT-'TMS-/K[X:Z< ,(;*SNR(KTZR.;BM1MZK@'&Z$*N[\))D<1N(O\02R@MDD<7-7[%UIRE7+?H9/*V(_SB"\BC@NPR_6M^KDL1NK[NB2_R/DT*4RCFT_T9[+Z@NG,1\LYL>_Q#+*HV#"T>#K*SQ3?V)KR M^,-D927H5@C?3!)36\+"VT$]L9LUF*8>F]}8'E%+I.)2V]C3M"MP33]O%, M5K0\BC"T;!6=PV{\7%L0,;#]7?H>QW/DQ3*F+.XC+RW;AJ>]K7?JH]#)*G)?M"/[\UCBV"*G=E$TPMV8I;3T=VPWM{4;A)'Q;P?)5*4660-@;74JPX [71+6%> MZ71O9&_SL=-,7!I42ZYYZ%+#.W!X5X,I:9M26E84YUXHWTB%Y\=[16]23\S=_MLN;86O(4KY(FO"Q^G7K8S*Z5SP:,/W3FD7]CYX<8?3R^BM;KTH;Q]]/WLA] MP_TUA,I9:]N)XG_2M).D)%:. MXFA*1S4V?9-5'%%P=CP.9'AB1RS(5I5\1N7!M32II{(2M&6 I=6$:,B^&;2 MJ LMW6&3S1!82ZOB?RH5O=KP;JJC0?S.H1.XF$XW4MIJRGTW /.0>KD82L'7] +Z&M*DD_%&M#SX:EHBRK*4_5<]#2]7BRLLX^B&<1S>_$NY}3+S?S;687W.(G=*]W MGY#O&'?)$E!:3A4'5Q:GT1Y "/U&F^A656T>'8Z6,,73E-D)FVW:$\/-1-< MKM9Q)Q7$D9 0*%*CW>_MLM"$2:F+UA2Y#+M,*4!%IHR^(2)'RR@"4F1-_[J M!MX(\-9!GF9~8&?#;0P:F{^PAKL!F^"Q83[^FTGTS"+@HD0,-L!N1{JV4L!ZA M3HQA].IP E]R:E1Q@!<[M=IJWXOB#J8/+(Q1'TR@TWCBX'3_V9XC,&2OJ2_# M(}?$YC:'*EFM=]J#0Z>O%AC&/O(8U-!G'"T+L6I:Y\NXH,U]S$=^A1*R5==_M&/CB)'0%"5X1I.D57+HS+]6%WX)=3T&$U#>7&MG9S8EN-5;5S#C71V0^\0)QCOWOY M#8OY,G]RW4[WDA5PZ (F,'WI+P,&\QP3IVXGQ).9K;U XC0}(P[V(\LPFOB& MLH"Y#.^ ^$+F1"Q421O0%'TQ[_=P^/?&VZA#/#5"8S71B EJ3NZ2JC M<,FTKG4\JD,3=P.Q7!B '01_+L,R5EN0E4>OJZ4E[V"":#,;8GGO4I;.5VFLV M])$O4(?>(W=WMP^.Y M8E)W7U=OZ2YMR'!8,DA$&@X2$OT*<4T>=6#TK.T+0 MB[H^=#,$DY{3B*4W2WHOY95OR%C% "V?$W$IE)WYU.[H7-;RME5UN-7+3U]02&F'.PT?L&W+RMZZ6DJZDM+X^70L&OJ1]10&+/5H%]4B!35RLL-?J-P&ZDOO19]0)\U#GZ6#P1 ME!*MP^30PQ-^XXE]T6XXHZ+/9[#N#>GK@@?86"9B"UF6&D**[J'5FR$Q)1 M"DST/2"_]NB:6X54:(7&P6$"4;_JKFF"XMEBIW"&!U-!#I/L1$]+5KPLV$MVMB668B5X/OP4+ ^DC8E\7D:W$OSTA8ASZM.\T8+CXBG0M38 %C8KA!T7^&IX0) MV8>EN$7?GV$^\/)[^8OD93"1&VXE&X#^Z{^G^QW0H_K+Z#"]CEA5K*L8 M52N5*#*D6R] ["NM0 MN?<.ZQOH'F!?KB!Y\FBYCMU MP5"!%FI?$C#5(R^J6*3H?#YE).M@%?260^HB7V_59"2L0_E!G? 5U@KA4<#B M.N0DKD,]DQ;RC8#]RZ&):BI3)/&"P1+ES&&D6RU&,4^.*KR,4=J,Y$Z:&UDW7K@5H0\,>(62U-1Q4%D3Z_86+E&3 M:+7]*[T@JYIJ51Z%(S:/PDVZXH>Y-IZ(-99NI6D 40?'0.H^E 1WJ$CJ+L1,O@B_QE/KK.*SH#L"EC^WP(C?H MUMV%:(`_+O96[L5Y,@]6NM4.8>$=T3\A#WL,F>')DZQ8'#9>1K.F%(\P&6 M!9C.O#@L3W/"H$"B!IXZ4#BTN^B>8!$6_(4^8M^+HD=D?62 KN&8'\VN3%GQM.M!W"0,("L1/,LJ99I5$MZ\&T_$\N/J[(-9!(P^C=_G_M 74@NBH7BM2A3K?0V\(#2DGH:NQH$"L\Y+HRO"U2[-8QQ7MOQDU7@\#B6M7&!A9TSE+#,$]E91L35Q@KM_OGH$=U;A1P$#R%S/L0>E,[YGM)RPC4U/[X$4S M2_0S4S\YK,?ZSUS<8$D]L6#*K78)R5?G>>YQ\CJ+F5@NK"/41:#4I?#C %C1 M03T3B+K:V!4.*8M8,N%F 7/+;'_($/BOLU6@JUA4J=4=GE$>+L+V?W:\()-7 M[VSQ9L<(BPMU@*-X8Q"D+[&'IT2>$I2SP,9-49HUP*ZP-3"=XT%D3->;I?)Z M'>VIHPJ\_A@C[Z]B]APOT.>?_A]02P,$% @ ^(,=66^Z?Z]A'P >S ! M !0 !D9&0M,C R-# V,S!?8V%L+GAM;-U=67,;1Y)^GU^AU;YN674?CO%L MT)3L481L*B1YO&^(.K)K&TM@'JF%^_60 IWB((9),M1MB4 $+HS,JO\JJLMS+__]^>CV9./T""FW?RGI^(`_O0)S'-7IO/W/SW]X]TOS#_]IW_\[6]__P_& M_N?G-Z^>/._R\1',ET_V>XA+*$|^39>'3Y:'\.3/KO]K^C$^>3V+R]KU1XS]M8_7/KI^'\E$\EO/OW8Z6_['S/$!HJ(.C%?EF 8'S&#91U>C^ MZ_V/GO._/%ZN5/-M3P^7RP\,GOVZ=.G'SZG?O9#U[]_)CE7STX__?3DXY^O?/Z36GU:A!">K7[[M]:.+Z74?Q*\5S_[GMU=O\R$<13:=+Y9QGML#%M,?%ZLW7W4Y+E>K?BM=3V[\M1'O%3C_&VEM,2*;$#Y\7Y>D__O;DR7HY^FX&;Z ^:7_^|>;EA4>]LOBR6,+1 MXH?<'3UKGWBV?_#[\O>_OWWQ'/_R]N#5R^=[[UX_WGOU=[O^R_>_O/%BW=O MD9'5%R^_?("?GBZF1Q]F80_UIZ>E%-8$5]WBC9K_W.!+GYU1G.,L'\]6 M"_0*7Y]\=:,.FGCXO(1Y@?5RG3Y^UN4+'YHU877]Z;^B2BXA5L5Q#9/B*,Z]Y8HYKI[0+ID*ZN&B-LP6R MMA)RC8NTDO3)(YZUY7P&L^7B])W5]6]V8]UHNZ/5_[W7S9QS\$_?Y_O%B MV1U!?_J+Z>AZR+OYR"UU^&"+74{O*,3W"0]"=\9!]CW;P/G^MWG\~4$JS=?&1=2Q0 QL.@54NF$M85%;QSPN1XR^QECM+29FVV=O .@GU?4'B7L1 J3/Z8RC7*Y,UCK(S/#9&GDW M@D5G$GJ'45DI7:J"VK+<2,PF,-'?%TQH!4"&AX,/T.,JS-^_O1KK]@U$WCA M%0V9BP%IBDDCI\&P(*.UT4@%F1.#XML4;8(,\WTB@U 49/ XQ^+>O+Q==OFO MPVZ&]JQX\7_'2-S$5.XR1_UE3<68TB@$K48_B(O((^3{JZG#>=[7TD3(\T2B M8U}>Y(N S],9><#.=7^7DYS[/C MEIQYW?6K)5]N^VDZ7C9W[UWW>S?/S>9W,_S&]R_G2^AA@21<'2FM#]0]@*#)0+K?1'U-ERTGV!:F^9QG$LQS MVS4 2LG(+2L5*H;=:"(2.,Z,B4HH%6+@FCPO<",Y(W7SZ>%$)1(RC+R! G#4 ML'L]^_X+O[AVU*':2:ZU&6LY417*U ;>@< M:51 CZK!A4@73BX6<'<-$5"\Q/=FBVAQ&LHX1BN8=#HI6P"= M=$.M:CXO:XN*)AR65"GG]] QF0L+9=87G*'3@(), &29>]_ A3LN+SQ]@O@ $[L'R$/J+' OOME8HA,UW19=0N2!:=2@A67[R*4)$R8FAL0-:8?#8ZA%#+@PPH+ ^T MY@YUY(O/XFPKQCE015>4T!+Z"337F46C<$?E2<=@JG*4,=SF]U/D]E)VR0 MBV*@P\'+N-4B>ZC9X!8JXWZ]F)U@0;?X M='@X\YU;8NHTS@+NA:J6<5F1E"P42ZHB-)5T,<::BJ8N'+B6D#$=#5/(?^?% M)I/[] MF9I-$&"_'P00+3MA;J-#G;3\\GH6YTL,I5L ^[D,[^V@4H;<24M2>*2,P4JN MD5HQ' U422[D4+.E!L*WZ-D$"N[[@0+9T@^4^>3$5ESZH/O.R>O_/T<2QY2)>0!T7G/V,)B Z;1T*=.V&G'V.D[1MD=B/'Z;+.&ME"]U\M8@3Y{G/M:!VLM;A&K1Z*P#..N*EN(";RE'7N-U.U9C2 M/V/ &]T8";M-EG$ZA_(B]G/D=7%N3Z#S.LW3Y41JG2O8P*QR2)=4G'DO*T-; M*PC0V67JZ/!VJL:401H!O(C%2%KP=H+O]3%_ B=*X8(1+E?W:SR+HA;&$AS=C,U8W(&MY7^ MM1FWW==^"%1_O5^BBK&RT9%Q@VK%,_-:*=QL-=H**?)*G7/?[G;6 Q2+[R3[M'=>:3N;=_/T[C^>0UJ>PU]*V^^YL.EVL_K(UA.0LG<22=0\U2TU5I4EK))S.<4&YV^%&H%< M)8W*(MJ!!!*86AKVJ>0ZP7.8N";E?5K9J-JU0)$MS.11?>*TA4>>0;B5J3*=R9(X" MJ20N >3OSRZOU"M\3=MAYNT[_/G;B]_?O3WXY>#UBS=[[U]B;R\2M'VKF1N^M?;B>,YNP0!1\YM>^6RQ>]UW%F-C9:D&XQ#1@R*0QOF%>9<&R1:NA1?0R4#OD MYOZ_>^[F(\R/X1?<)=>U+_A;@M+.(O"_TG*8CJ=D??',M/Y0&C!F3!8]).=3 MB*I6'SWUU8>>L3*Y7;Z"OWFI,7"UTF8G?-N0!KVXRR M,:5V:,$R@&3HU>39L?$DA!2XLI&%5'"&F%FV1+QEIFAILBJF"CN4HCPC8^<; M).<,6TA*[']FR*25/":I1++[<=FPX=WDD:G!+>5^Y5++E*@]H MYV5%IR6U*Y>@!6[5*EC'82AL/?:"(R# _5)W2UV_H%=/&]9[[;D9)+_O9MW M%$D[U:2)6U%<+]RNHH_(T?Y"U$P!+=&-19@6:C_H1F)(3N5N9C6ZG%.IF2G'MFZG@G"4="S,R55M"2=E3%[E]FZ(Q*3L:A%Q[5D7PM8RFR1FJW MZU:B[GA .*P;=E\PV44P=,X9+,]YFU *]\87# 5TZTP.O/5#H.@]6-RA93-6"%]DBFXKAA]V)))),&$;.F]4J4IU+KNSD2.*@2E \NP MPB*TEZ?'2-5)[-S-3YR\KV4>L/AM.N_Z52'MFO"]>;GX+>LZV]|@M>=B5,S6_F!0IO"Q%,V,=,@CX]LC=84FK*CH P\8*R7] M.V1D2N>^$]Z#*!T*@3QP/?7^P6^OW[SX)W[FY,]>O#IX.TA9]=6'W$]U]2W,M$159:]1/(5@IT%(XP#M\-Q;%GE(:$$RNI>>I^+("V3NW"6#2:F+,2OCP#DO MG6NCO@#M@34L^.18C-RZZHI,:U\X M\:+DT-J-26/;/9-DT> [P82V-8%6SAKJ0.,F6NZ8R'T4^HI$+I1W*JYC>EU8 M<8GI*#V7JB**16I#"'F;(>.8J(4+%8VSA?I&S>;447D'[[J]_'_TQYN'*V- :ZH><6-(96IK?R4(^FWECZKX'#V!7<-WD 1#+;A";_S;. MVHCIW^*RG=!\.:A[`^-TUL*RYJC@+\_.;B8ZQ!R5*.3,>M&^!BLCI^D+DRZ24N M1D1WN%D=IE-%:Y>+2XHZ^-N K#$=]3X LBB$18>BRWKVC*!5GJDMSLEORL0% ML"D$R;QK389$\"QQ=&EL"/\@>PDE?SH$M-(0?N_&>R/ MJ#=78?UBV4\S1O8K\N;EXAOG/KDN;W@YSWUKN?P%$K9/0&O).&1\5PV2KNHNA9Y)JC:H8JO1;&&>J2F/OE<*#HX.N=JW/ S#P[MH6MDOK;9955H7$N?F//@,@?N"R>_1+DQ=:,ZF1HOQJ^YPSV$^:\|B>-6OI!BC M8 FU&.K-],QKTPI:K3':1Z43=6G,ML'K Y($0)LH^#I? L9-^&|;G4O R%6 |> M%6D0*5&?M&U.W?>0JJ9&U$"R&Q!;IX;W=?S2#OXF+E>EBG.,>U|:C*;(O&X7 M/4HPT2F.D=WPD+I$U)@&+3X8D'81U#W@Y_2F_AO(@%$04KB86/29VD96"TQ M*',9^;PU$Z:.;?-*;4Y=@7HG C?!E7WT&HI*@@."[`4/`^*TG-KKDVY+IP2W MP8!HK 6@WDRH1F73JMKH A7+H;%.-FHCLA;9OD'X-I1N COWZ&%'+M,A.B*J M:(1I4W0-NGJH6EU@J8T6S!B&QNBM"XXZ37*WF\G^<9F]+9=^0-733F7F^(]6M10S(4&ACIP!0!^]$X6%JT2#&@037+NB;INQ[@>'T(WD;92,Y(\>433B(YV-T@#^ MY<|>%^QY]VD^\;Z4*CRP:'*;XQ%;E5/ " !2SBH)+|\C'EM13)LMF-X?0WDUC6DZ6[=8.O&TOR[#N=]-.JFVVE29S:95>RO%O%&:<>=@1)6WVCEK?B7^O+[>B,>6E(71M>9>1AD6M0Y%,U^:J!"3.4;O8WR!G(TS=5T7%O1V*T$B';O#X]=>@$Y=9&(&^?>:F726P M+/KJ6K@H0XS%U"*)D;+#Y?5'EIXFDG]7)17306^:8M\4)'ME<=^'KZGTUM; M+LEX7QB7OC+M6U(3[3#S5@ONE<2_4Q_CWY7&C3!E'Q>F!I7C?7?9-R%6V\:WW!;KC:PEER$.9HE&>SS"W#.QR$C#N$6C##!L>/&Y,7T\71PV MB@[JZG9]#5Y$*R13;8:(A@@L:9D9+RE@E&F%#[1(NI6HC5#D'QF*:$5%AJ"5M=GQY|"%.^T:*/AKF]@IFEH,,W5F.B73)I0U2^2P50Q)-Z] 6G*4N,+]>DHVP M$AZ7)2.0R5CZE+U&/V^.X>-RBL^^2!QQT[*+3[KG#F;?8).HG=ENY>16AZ(5 M"+:.1:,!T-5I TY5 L^=K=)[ZG9*A#<[1KY:5YYTZ?OWF7J<]H[DCBF.N_[P^+5)D+#R96P]5YM(EO3R=54AM;ZV%@+&&;D%&OK65!;T[7":!)%I2#Q)[4O=A,MC^;J)2& VR'M9]?1>?[!:0S ;1A"21O(WX3M_JT(%K(.UM7BLPO$NW\@5G;5EI1DG6G^\VLMBW2]Y0=:=;GVA,T06="XL)ETS MV@;"K53.#A38W(CQ[!'+NOO<:&*S+6@9&O_"D^7KQ94ZZ/T3K&ZFB)6@F+1 MM^:#R5EC/!>QP(@WSJT,CLEY?NR;B!9M#[VA?NVZ\FDZFUVO+VY06>3BRK1 MXXR.-]!3,R\T.HH\.*<*2$]^Y64@5L:DLE8%+&?]^.1R0$5 >M@7F;'!/MHGB0*0B@[OPX.%./P+Z3[I$A5=/NJ'IH=72K%9#"%QF]9,6IUMXL M&N8E]TSDZKS2PD6@OA-U+^'&],P[8UL(C7(_O)POX_S]].N'5]O^W6&< MGXICXE.0P8;6Q"GMK$]8EDQ*+>FM M^KF;KX?BG'M[^^.6S;^,Y*1E2U:(#EF^7J9:]<,QM8"#P(3A@6F/?F;0*K,8 MDBS&2M2([])>K5YY/=DGSE^E\NCA<;[-U?_HWL(#^(]K2R3I=M4VL*F9E$W_2]C,^Z@8SZA^E77)\L$N]]Y(U9ARYO0HHH1'&#>^N_ZOUBJER["X M1)A")Q&,SXPK#,YUD(9%Q@#"KNF;@*IGBJ._;4#6F$)->I@0B6-8]^34OXOS M*\'HK<']]HX+Q5-)7!IR]HF7VY$KJALN^C,BZ2"JOM^^L>6QNCB_^,WGZM)=E,X*7]@QXE6IK7_K1]9S49R]2Q(ZL]M3>@:D]W;$1]7IME0BV5G>X=*87)EQR&%YX:MIE)R-1:8L\$QG8MF"=K<1.6, MKLEH)\LMFN;VI^P\AV?U[6??U[JE=XW!B(>2$DQ^5NS4,B1M=:I\ 4+KS4OI3[J3V_K8D=P]8@1LR5^3?W(DBZM^4\W7.#WPAO91CMH59%Q9P3S)0++1IL8(6I5AD'55ET6ALZ5W0MF=A,"B29= MQ?"7&9U$PY-/&AF2' .8$O%O!AW+["&@R;"<&[Z!KWVR|>0XAI(NC0+,O2_MIU6'LWC2UNOB8?&EWF>[7'NZ^U.{[C[MR!Z1FW[U;2?'L1/O9&8G7N+89Q:8E]>]UTYSLI_8]_'^?++ZGEQ-A$F MH^\I-!.^]3MK\U\2I':3L$:1O/5!45]Q&U%C\$*&Q0]M7.A: M\JR9/3=5ZI2<%W*1G&FA4(7*;9V!C4'EE1()8FJ!7D;CQN)&8,,RP\:.1 MUZ=P-=?B1DZ%"=ZNN]8KPW2P[=9Z7_N^K[[-)V_7^QWZ)/WRY9:7V6V3B{1;>_H;OS5)-[M=HP0N;2ONOG[=] ? MK9JU*<%UU6"9TL&C'CHW.0S,R6$JGV4W%,W2#O__-U[**?ER_EBV1^O.HR= M=*PK@C&M40]?;-5:<\S6L#5X[:W)IL_B\3 $+)%*==9Y M_O%[' $YS<:IZ_:IHZ-N_G;9Y;\.NQGB?O%S7$SSQ")B$I<)%45L\V;1.4UM MVHSE@BOC"Z1$W1WFCB02C*@_>]Q$(F,YM2VB6E%>TLV-BX%Q*%5)$)#)#X(N M$#FRS0D5JXEBT)GS]_!R_@8*\"UHZ[5NM:6K M$;9DQ1+/R*;5GGE1*5%+6]!_\+^RQ_R$PS3*_>')O_WEC\^_@/O+__KW?_F7?_U_/[WJX^__?1FE,]/M<#C]Z?48PQ3S3W_VIZ<_34_QIW^,QO_L?PT_?1B$:1F-SP#^??;/7H^^?!_W M3TZG/PDFU/+7EC\=_RUAR#(H#ZQ("PHM@DL.00MM6=)!EF#_OY._<929-*! MB]R!4D9 +,*#XT$)-%RA][,/'?2'__Q;_2.&"?Y$RQM.9G_]M[^<3J=?_O;S MSW_^^>=?O\7QX*^C\?;3'[\ZZ;_Z M1?I8_O/__OVW3^D4SP+TAY-I&*:+:]#C_3'/[R,1O\|_R'IZJ3_M\GLW_\V M2F$Z4]"]2_CIUM^H?X/EKT'|%G

*!DQ_UVR3_Y=__Y;>?YI(+XS0>#? CE|\6 M7_[Q|=U-I/WA|.??)|,\6SRUS0Z M^WF&[_7Q^S=OWW|Z^X;^^'3|V[LW1Y_?OOGTF?|_>W|SY^.?SG^\/;CT>=W M]-/[T>>5_./3^A7;\2!*WT2N#96]W,46P'Z?69] M(45RW&>0(1=0B1 YXPK$Q!1/12BN4N,C_0J EDI>97*OU//"N2AFUDNA-],:*=M3;;YNA9@L*@:M@B@49/54IB#J(P"FZ0)1O'@8VYML5T&\!34N[U$.WA|/^)7 M')*

[CY"A.IN.0IK0R;7V)"KQR#!27"+XD#C(I;WWV04366,/7,>Q/R1W9YSL) MM8-W>('G%UKW:S+G*Z1_]*>GK\\GT]$9CM]^2X/S&C<]FDR0_I,_AV\](I]V M1GA0AMBH"NTXWCE'QFE2.D<;BU_KM-Z?\%QF-*Y]/;;%_*#+QV&S/&,L].(I5Q93'9QRA*$UE[8X%&7UM;C MK6 >O<;;B/FF_N7N/N& ?G3R*PX)X("VG*.\1L*MX*;]K[B V_..X,7@R2OR MO.,'/=".0U3E14F!3)%?V]Q97 ?9_IG12)4W/,GF>NC$Q9P@?> IX7M#]NY@ MJ*6^(DMPRF81$R-/,@#1/YM;^1(=-3 M0D9)ZP"/*8!B&2$@6:?,;DD&C7(YM\[]KH#Q=&R$+45[4]MJ5VV_'PU'5U$M M>'CAZVBO>>$%I"#/1&GEP?OZ1S#*

<89%:8>L]_UY0CYX);<5^DQ=Z5U[\,AIC M_V3X^GP\QF'Z_GD#>363>@15Y$]?R[TLS%W/220<+

M2O%]]XA,9Z(2P%0,@=OHN)2=D^(;J*?/CEVTT(7U.3W%\:TRZ"EEG:YQ492% M+.W(&#C---

B<%.UFR&1I'9:\&]%3(TA#^>_36NT9.MLB,926*PP02@[1%@:! M<9:,S:68UJ4LSX83;:3>@9%ZX48MD[+]X3F!7/A9H^'"%)K_'AE$./F]/QR-M^]/ORV/Q:)BO?LK;_SZG'_.-.T]-1OM@=)SU90B:+WI*-7ZX+'L(PBO0)C)O MT',RT?QTVMOR'KU#]5"I<)/UI@WK:0F+M_.5#K'FF6))TIF@" S70$:=&]2 M@MN):I&9TP+\=_DB&M0X4M,G846&>-H([>D+Z33V2=%WG_1P&W6CK,2 MM

CMRWL73W_TVMY2D#=5ZG>V>G%Z0:VCZ7342F6>WY(3$-9L;9 MPM:F.0CYX@W:IE13ANY]+2*XA[M7(B83"Y0%+J:.:580=;:@/=

(/,)5IDS(U2%#!*OB@;+:WT;0 M#1,K.>?>/[!.O,%\]!7'X03?GU>Q')<9O./S:9T&, ^M(6"X? XM%T*%4F**M

M3PC:!)7WA%=S89RUP5[;#VY,=]CBL8]VU^]:Q"MV@YT3*'?AG5P"/-^[DG&> MI50 LTRUP;7F XT&S;5()DD6L+4-N!'

_5&G9.\81"B,=71<1#0T0DI5/!!>__GQ-CK3Q_K.[M^42?/A^__L__./[MS=N/G]{^_W^\+_Q?5Q&VF5.TXBE[F5=TW^]ZFUM$:[(Q MD^=J%!E%L]+3ZOYL#QIY\BJB:6U]JCYW")IK+'"9W RUKH7QR B&>]6%^>\ MB8R)SF8Q'7INT2;ZO&=NT29B//3:FTE];Y3P)XVD](+\N"@27X]Q\8#S9 @ZU)

(I&"Z'Z3R(E85-$7[!U9]/:X)X" M/[K11 =M"81EC&&";W#^O^_F!]OI:$"?/YD+YN-H,/AE-/XSC',/%Z6$U1%$

M+G349:/!,24A6^NYT'48UM]WW!#B@TC*[!*?Z%(E'5@?E\RA%3%8%4R:F4(R MZFI69_*Y.0-6Z,4R.5N>6W_\B%\K]\ZJK([_C)KQ/@[K0'SU81G3XL<MD[;D#%ANR8]0!3RCU7DO>5:&G('3Y^^A-=_0LJMIV3F"=Y/).>8Y MMK??OO3'F/A8YKDQNEQCC57FA+RVA-PW)_HPE@=-*@A)6INM3N+:,3,25E3/K M/_%LJE#]7?0;CI,_QSHF_-QW:5QW'|\MDK MIX4'BSF3ZT*8??,Y:IO#?)KLVI?>.FAE/[3IMZ^]-A!7^DM M;\W?P^<;T%LI)')90&1$TX5/8-0.\'IY!;)YQBTW=-F=P?*ITVXCK7601?K MU;89U"Y%;R69?\?6=DD$1^HXM&"U$PXS[%N*MV#YB

M&H3)I%_Z\SM(+_:1VFM[=/SZW8=Y OMH. \5?QA-IF._0U] & MO'4TN17VYTOHSC3<12/Q]=$IKT]K!.C=\"-F/)O%>F:V1T](*P5:6XU93W\X M"=[0T6,T$R*2J!QO'=5;$]K3)EH7^NFB9_FN%^+V.9>TI<_^-KBV_]X/9*R MK+9;.\IZZP[CM1DO!0C"Z"*8-N)ZL*[3#7#[E3QMECX [7?1BGUG?K%64#O# M&'@V_%1@1-9DK4AM'\&%MZ\,&#]3._!U7!(X;2:C(K^UH9]"%8&\"DI%,Q M63'?_F[I=OG*MMU/1K&%A)6.3.WD?OO/K(=

[42JK!9(LVISL_KD4_T_IX&S4N MO3J?](=()M/%@W_[45*BE4ADK&L0Z.MK16]9D,)"X;D8(I6S84NV[L*S\PN6 M3C&?#_"XK'C*Y-

7W2W^;MV_4TAD>4X9$#CWM?LZ#M_5P)]^^D)$8N&G=T;LI MQGTU1#7CR8V86Y=*>2C-4RN6-K\36>>@E&0@);D="I.&J&*MXJ;M1WA/QVQK

M@MT"Y6 -4YVJ?]1>#1T4*JV"5;\<(RZO-U\#8$>-5?>".TR351-5KD&/W?5P M$,(()X/RPH,I/ &]%>2,2]: 2Z&YTMR)YG.J#D24>UJP#L.33<3?

D!_S\0AG M84H&]=&K1;5W1!=#,;X.H:^M(0K!$P! XTS2C*>2[3UF[ZK/W;\[W5CLHT8R MZZ"^><5*/]"12H9(.*&3\N^CZ26W:;

(00NX)EHQSFH%6LH]A4%D+H#7RD56 MR\YQ/@3\,&#]3._!U7!(X;2:C(K^UH9]"%8&\"DI%,Q M63'?_F[I=OG*MMU/1K&%A)6.3.WD?OO/K(=

[42JK!9(LVISL_KD4_T_IX&S4N MO3J?](=()M/%@W_[45*BE4ADK&L0Z.MK16]9D,)"X;D8(I6S84NV[L*S\PN6 M3C&?#_"XK'C*Y-7W2W^;MV_4TAD>4X9$#CWM?LZ#M_5P)]^^D)$8N&G=T;LI MQGTU1#7CR8V86Y=*>2C-4RN6-K\36>>@E&0@);D="I.&J&*MXJ;M1WA/QVQK

M@MT"Y6 -4YVJ?]1>#1T4*JV"5;\<(RZO-U\#8$>-5?>".TR351-5KD&/W?5P M$,(()X/RPH,I/ &]%>2,2]: 2Z&YTMR)YG.J#D24>UJP#L.33<3?

D!_S\0AG M84H&]=&K1;5W1!=#,;X.H:^M(0K!$P! XTS2C*>2[3UF[ZK/W;\[W5CLHT8R MZZ"^><5*/]"12H9(.*&3\N^CZ26W:;

(00NX)EHQSFH%6LH]A4%D+H#7RD56 MR\YQ/@3\AU/35I)\7 MD^!_ZX?8'_2GWWN1FV@$,,J4>F\?$IFC51%<0"?%+:N=

(;7U/22=+>8)L/1A*;QA#?PMK]_- M_,"5UW"6F2LXKO9B5/749_4VH#!K3J11+UJ"D=ED49CD>%_N8F<03X!A^U5$ M!Z7MJ]R-\W$Z)= ?QO2N'

UFGT'?_G4TRG_V!X-ZZTJJI=/AVQO,YVG:CP,\ M.AN=#Z<|*[BSSDFPJ=8P9F[!_)U2XI(.[YSJ/80)=I^ 4^ D8=7[*W5[]UE M8H_(TYE.PC

O+8U:F369G)]A;I.;7>,!K;.UFZYI'_E;$|)B/!F((M:1 +H& M&!*""<9+C*',AGG*^=OL4TD<-9AD%:B0-43)-6@C8@A96&9;%V\^ROSM)CS9

M.7^[B5(>>QV626>B= AD$M _^Z\F>C-PKL $5>N.XQ-;%<8\]2!N1^M?,WVZB MAH.DX8!^)*_W5B5&>?EMM'#00@3"N=H?0#NL0:

38&04@2IE9+D=_1R0YX& M4;:,WW;+DTW$WW7^UB*ZHNE<9]AKE:M3$% YD"Y+F;A2ML0GDK_=2.QWY6\W MD5D'Z;5?]BSQM_Y7S. ^&TS

\F;EE,P?AU???P_\9C5_7AJL9D0MST4CN0%A7 M!WF2OQCJ-$^E1$"F2A&\=0QR WC/P]SH2ET=S NZ_^H%T/?A;/E&K0.W(\-C

M0ZB',4,Z4_WZ%&NFMPX,E4UA*ZVR4%P '3X79>@,WA1$*POV97,;&&MX]'7 M,>S?+.I4::..&$N_

4'J#7W$P^H+Y,Z;3X6@P.OG^L=ZXM(07A4=!QCV(K!W! M(RO?E\ !N4HNQ5(4MIZ)<@^DI\V/EOKHXH*!\\ET=(;CV32@:;@B>]K\LH:'- M5IF41/@I>)@<6D8Y8D1H^_"=;9 M8AZ$\]\F__P%-YA$7B+A5W?$6;=XI]PX]D\H_;$]614I20(#-_]M ND1^M M%7%3FNRU\MJU[AX^R$)?WH

]$F4_)T'*K,(+M"AEKRQ MM!<8XW17?9I[6>#AWH8'3-I#OF8;,:Z#U^L'CBAS<9%\0\ECO9&$C/T8O:_^

MHB4L.AO5VNHY/"F;;]%;B?.!6\,IL(+,B$%,%T#"K4&S84LP"@5 ME2G%D/_X@'?*E8MZ0D1\6 3HH%F@Y0(O?V=Y@G

5Z)PH%H+B@98G,T2N+'8M=C43I:$DO[.Y$^1V,T._U;W\@Y1]J?#D0_@^RZBFZ*/-/D/(N4[P M1 F>206Y:*:*$=ZFKHK#]['+

QVWS]DS/IL;RC;CUP)W'BP/PTL]ZH029.7.0 MZK0\%3(\Y4YE6+0P9]P_98&\'PE]=Q

MMJXTVQKL\Z)7"XTUG%%54\?;@OX4ZNP;VG5[201!!WR=F%W]=BLT^#J+K;AB MC15>,G_ML%R9J=\9R%.@TOXUTGCTU*W@?\=0V_KK=^GT[H]R+RH9+#?$>1X@$E)(CFE+2[&A;,Z)]9[]--G1@=P[F/9T%?-'S'@VZ[*XC'&& MG+XQ3/TO83 ?#U)_D^B>>\K3KL9X@%SJY3W"\FYM*+@UP(2CO5,&#TZ4 $Y90NX8G4JMZU;N1_64"-)8!{=/B&IW=GTY'Z?3,,%_MDEA.L6+(;J97@%%.@>)(5/:E#IMM3%91]:M1[X2UE,B2FLMK&!*@\L*OBRN MYYCUA5\NTNJA*-R5*"$GK FZ("'HV;A8](S$D:]J;<#< ->H>3X^:;;U,Z^\[[D]/991MEAI#<-N/0)'^<5 A)8C&!4 >C-)% M)-O<^+@7U%-B1UL-K.!(XSCPQCV[;N[_).O;2R8^\V5#97@F$%9+\#E8"#QF%ER M6HGUYA?NN-('U,F_B>[7[^3?1,X/N)-?N%A#AP@8))E34CN(3#K(F1MOI7<%MGV,G_T;:O;^3?Q,I[-Q>QU+")G_0R1^13D7)"W =9W%^ODW\=5,^UDW\CC:W7Q;V-N/?7R6^XTBQ[#\%A#;07;(_]8[E%Y!Z$9[Q.&U/@_M9480)DGGG'+1-8^17WK^4U+WUG+=9V/=_,O)LN:/]V00&9/(4+PSH!B=@%YGM"YFK)'54D7Z^KR:4Z^":>$CNZT<@^V^(N@'ZLA8"\)V0,WAH'I=2*+I;H,+.U M+T89(;4SR1V".G-PSXPZ6VCDUE:XMGGN>>EPF"6%A[_;-D8#^IR390M[@^GT M&S^B1=Y[MW4URG_7!B.B1:KXES>8C,8?,6'_:X5V5 C,?V$8'P_Q\LR "UXF MEIS)6H,,DMR>P@O$(FG'L4JE[(4E=[B]'[@;Z8>\9T /H]>T:LU&&";8KX- MS3QJ:+T1SB8&M&$'4$%Q\)QKB.3?Z6R,UTSL67SKH]]7IGZ_+%WAG!]"VX=. M_]<11<=_#NEX,.U_F8>V>#$U>P6BN%(;B"2&2!;#]#UYJ.H"TN9;ORT$/% M^0^E]%$+X3<>_O4#R#(FO0:4AO/]KCU^_U/]=E#$*G7N(,6N%8O"(8|$1!1- MUE_FX*+RH$RP1G/GA%@KM_<0%'K'O+Z.]+F!\]HGY__S_&STM3_Y]2S^QR)T M;'3.LL@,G-5%!9;!92;!\2(E,R8GS/<8Q2L_>+\S]W82\:B5?#H(H_[>'X[& MY-XM#XL?"[UHH7SU_4.870T61 M_MWDPQJ#76GN4"2K=]!=^)[S7^GYPEB*%B'DPD%E[\"1_T]:H@DI9I&%;]W%MMC78%P)VH=7&!]256$>Z&>MX^]_GM*3%"FKWUFSP7!TP-WG[C;[;G]1_^\>7 M>M7\^ 2G)-D>Y\([X3P8A8ZV<$3P"05$7N=^19+O6M-H.H#V7"CY$#3;,/71 MQ7(^_SFB8T!((4FJ009Z[R*9+B%Z SE]#.A]L$D<@*@$[86H^]-LPT3+^LNY M/,%SN;+%:N83I&H8XT/HYYZVK-A4A3E(BC)!$DT)2#'* 3C>0S79SGO0-*U_M8;T0=#\:W5,J9P;!56W6IV5\(4]]-@^D00)GO3ND;;99@V-C&HX_HMR<.36+7_DP[X4_^C.,\P4YZ_R,5-L2R%NN]PRIRDL=@4<=N"E.$]$; M6_:[H][5$?J43C&?#^H\K/NP3&X#,P_E:IX928A>:R]4S:PS\#Y9D HURT45MEUH7NS0#OZ]DS9Y9>MT_.HRR#YVL6:[^U?F$I#B9'"4Z+29S_=8@IRS6&TEN M7Y2R#HIT!GRN,Y.5L*[$HFSS(-(M4 Z5T#D0+T;M]=-!1=\J6/7+,2ZKF]1,52=>U*;"L&Q)$ '+6/T]#_8VM(X M$%'NZ1(Y#$\V$7_C8-_?1X/S,YR2,_*J/YIB.AV.!J.3/D[>#=,B_:)#R9HY M =(B(I\$)3C-#/#0F29BQC'7 8G<_Z3].Y"-53/J3*X.,PZS:,1?/HP&87PI MQY:1&YUD #1+UQ.<#':@#-]B;2:UO.<#':@#-]B;E M1)')!0AU5KU25D*0,D'FDG,>M'%\K:*^>PH!?CSP>1J%V\N\8=3[!XCE]7-K MP&A8W'/IT?LO[-E2^-?5MX/DNGB#EW!89(C2B\IT%E@(CBE.#C//(*"VI(7J1:W.(@I'JB)&Z%]8FQ MW&+WO?+0_1;V;"WV40N9-;1\9D#"MTM G.)!Q5GS3<@U_$],+"Q#!%;6J_.8 M"6OY/?,:A:MSS2X N!YVD*[ZZ*#3K;M!7&QC&'^, C#2P.#UEE31Y&T+M9SF.#:#C2YGB]X M*#KN8&/K9&WH%+)2+(C,'*A(F[5+1D(*]&UC:JL]0"HQ\/;>V*!#YRVFZBV M [I^, W#Z>AL!OL/TL;DPZ<_)@L3@16I>>!DVBDO026CP07&03IT2&(TAK6> M-W('G/V'H ZO[U$WRNJ@\/D#CLMH?%9'9LP+N)8^ L$Q)2=2M:7E"L[!DX,(MZ%QAGA?.L;5E=PN4%_XT45(>]!'G-0(^Q3SK-!GQNR/G_Y8QM+2'PA0(*#%9))Q9)VUPLQ5B9%5G[X,V9#&X$WKM&]2-C]WA\034?#'[N< M'*%H9A0D6PA5U+5R.-$N%PE@25;%LD[SPNU/>.9<:'3Z6^MBMRW;/OD=\P]$ M"T#6"Y%2(]>)1=)9;YOTTO.?=[!Q:TTTW!>N8UDP M?ATT'44)'T)\;WO-W*+B'<3;1;3C*JJDDK F%7"N7HI;\RDATE?>VQ2+#^3Y MM!X"] ""85W1>!-I-BY]^S3K%ID5:"WB(]4?]?@61X]'S;DM'+BATXP\78(E MBZMW(-/_:98(_!IG_7W/V?^QOXL.1AT)L(/0TM_)D*C#>"MEK?=2<*4A5=X] M%LB09.1:,]5IB;;@=ZVG%UYZ_/,^N;?50P?FW_+*@OCK@.GHW+X"Y##']M9J M6:W>'63;P:%]92/BI%+@B!12%#&67",.T!$F03:(DQ';.\|C^QN]+N)*/>7 M)9UM5+27T7YW_,-UY%%[/]YNJFW%$XBPSD>EY2 M-F&VT\)!=IC/I/LENY.-@04KH01.8$TANX@G^JO"DFD!$?,!*',!\(F39DM- M=#"#?^M.ZMD?"Z%]P'%_E'D/19 ,BR$_+-+&64= .5H<:)D5+SQ''UO;*RWQM/\! =L=]|(=2?E<'9KQ_+?&NM7SLGYQ.)Q=3SGJ%))M4*1!D':.^G:]6 B1%DMYAFYCYSSUE/J.EG(\Z3V0>EPB%K+VV0ZG^MS<3W#Y\AZBN//IV%X_*5^Q.17 M^HCIY-UP_C+WO,;BDJ5WV94,BDA\$B)[FUMGC/:UMN?Y)CPTTG1@ MR1P-9K^#>?6"WWZK7V(O1JZLJ[-X4=91S$617R<0DF#2.G2YN-932M9#]NR(MV8'"&A?7W"N@=\,TQOKS!=B_A\'Y[']=ZUN>L@PK@"E,UAB#!)Q'R#3Y%MN$^9S"T:.@N8 MSX;'^U+E3?;977:\%7#?GU+&LI>M-;P$@24X@,H$3.=^$S0VU*R-JQ8 M=MU$6[FKK?6P9\.8;L1_DQ^V)&((Y9+O2)X53WWA3AN%W*2.;TR=6\[1CYC/$^:+XQ2C"BH:#D428&7KU6LIM:C#:9BF+O3Y+H[WH3_Q.JOS[X,1M\1)Q]Q-O$M M_S(:_W@O>E&&:'.]TX>1CZ#(*06'B2C$62PN)_0Y[K9/W0?AN3.L$U6MH-AN M=<%:ETHNE_=^-/R%5CQ,_3"XM"UG6XH4(M0,>)T[B HB(Y'*X,EK=5)Q=&OP MKRM\SX]<#T+)*YB[4Q?K70&51;RNQE%&Y]/%SR]>.*\D(O,%#*IZ44=<,1) MNXG%>BY-"KB.#;<]@F?*ODX5M8;?W8;QM\Z U3PQYF4&!)?0'!? .JW6N*P\.M.DC)%"!5DN&!X?]5U0"I#"N&<)6>99I1P-VRS[TK9"XWW]@5/&V6 MH+@T"WOYSLWQJ9J\FTS.,1^/Z_.KK-:6#?S,2_SG_:$$XS5BEQC;*W680C> MATC+D#EE*4/):]TEOT7.8C?DSX;_!U3X"MYNG=K8=ZG-/[6IF$^^HKC<(*S M'[X)4[PX;9C0EGL>0*/)BPGO-@3(3@1>G PN/=8"KGL7_^S>G@;9O2 /@Q8K"+]UNJOSE2U<ME]FUI/5;]?=XSW"5C;,"C/;DP A-2M#))>"LR*,,RD]EK=@Y0!?7HV'0Z 5 M[XOOXL;8]SC],33Y4:)%?WTWI! BY6_610Q3?]"?K7?[2V2W?U:+>V4;K;31 M5;,K:^,N6&UU,*Y&I*TJK YXK:S&#-&I0GML0>-:F[!W(V1W1>S*Y[Q:W+O\ M>A FD\7T"AME8BR!]C5C65@ SW2=<T4Z D&3,A&?I#Y6 %,D7_[3Y*\C#&S72B_S6O9[U$#P%*%;7,=@"_7LVZLRHVOW=Q&#P8G%UQH]-B>M[,.='S6>BGHP$\]W:+\95%U-YD=F4=Q M,AV'-"5_+U:8$I)4M !;FUQ4;1'EECFKN0^ZM1&_,^C]4ZI#VW:_*NR:@[UD MK?$]&S#.(]@@$CBK2"A*\QQ8U-:UOE[C"H#]6H>I-X3XPKG&:NS TKME'D?VWFL5(4HC0'%_\!(RT"9(9CG] ML/F5>P]DC$']Q^+NHMZ#_A<\[457-.9Z@T0QI7]V]#)$7T DZ;RTG%Z!UIG6 M6Z \;0YL(^X.S.]&Y<:96Q0N9IRD!-1U^-K4E ZDW.04F7?VOQ^K/7E'7+L M ,]\=0Y8IX5)\U7-2[":52"M^M .2HWNQ;Z?FJ*B(Y=,DU93[4)DKI:?Z0A"MLJ"M]T:8UATA#ZVFB,LD;:T.],Z0L5<40M39@BV..3[%K6AN1S_6F])-V+)[M3=$FBGDH-447UVG.[E>+=68BYV!CO4&31P&!:PZ,:9>-,=*5UN?A%0"/]WYH M(UU?'YNZM5>Y-=%*63O],>T?XA9"8A9$BCDZ(97WS5V"ZR">,7 -:*:,# MP_%H..WG&K'K]5/E,['1!&/16'!82X60O@HV.'"TM7L1'>,EMO8*6@!_<$&R7=S1_:ORUIVKV^:],*ZU M)5^Q78O>]4_LHA'O3M2-0F.?SN.$.!#&WS^%V=7*=;NY8!):4*:%UL.4FBF?OPNVH MF,ZI^6,5*T*SU?9S!)<(]#LJ^>+")G!M;#*_KU,7QM$_;W"<<]D?C]Z,I3MZ< M(VG&+(XVGHR-=*+1T99IS9CI:),F 9V0R=HH@E'KW'^RQJ/V;U6TT3'%\5M?^P_VV+BOA58147 -+%K ,G- ?D7DL=,.?8>NKJ*AS/WE[8M63D=M+)RBP@[@[L!9N0V=,,CQF*Y(VB\9 M R]2! S"V*2(O(_8A+<8RGLC0,;2+D#W5\ZW"JPQ7$F672R> O!Y%I.*42]M9+XV7M:+5FVQP:G&JE\)9/_60PLMC5]+N(MRO@M+9@$HI1RS* KL[/YNR13X M6)NM,4D3O#)"-+_[XS]O'ZOW43[8 ORHB,#-P0!P@0B+/,(@4L&M/_)4L-A M6; M% 3#+1JE1=:B]9ZR/KHG18^.E-)Y,/MR*5*8\;PS^/^R4G-R[F@&2&"Y#6=MIEQFB($$4AQ94$HF]U/HE#YWH7O"]&FFE%LC&VVKO8]2.C\['U2>SZX]JV?D M&$ ^K)_AU/OKOOE^8->-^&0U]\=N7B'<"HT5=>??R:52,?B>.BTF.%YP71>I, MMCPHD"!:*@A*Q,P)2F4:MU3N2G&G:W[]9XWCV-ZP3B]?P%8C+6#/!H\WBB"$P:C;C[C=A-\^RHX[Y1'-VSVKA3T4$K,9Q;$[#+W6>3\QTPZ<7, M,K+@Z\7M+C,Z=HJ5$(S7(%%)-I$KC;%WC0%.0(?*1W1'@QL-@:W4T8%$< W3MC_[^T%UE'=8">@P;8>&BKL^4*V9U/='"2EEM(*<6%%OPT#%@3;<,MO+,BY* M$1Q;G]QJ[,(]R8>],V$#87<1H!RE/NV @_,ZZ_/#:#R3[W0Z[L?SZ7P@]_O1 ML!Y>)$;ZC).E^[J\[L056;QP(#QMDC>#?$!>H1W M5_MUJV9_.NL@!'GL/YE.,;^R?#U^7B,P_3J*/^?\\ET'B39>G4YV:!"=B!5M,J!BC/2&DB-LB\RZ!.UB:#TPKML5[9^Q^^37[0;[H DD;AIEK M1=^EU?TQ'&,8U)NG]_-U//QT2@OYC..S>?W7CFNTA8G BX&LZCWO(M;)%SP!M\X9QPQ.*Z_F-E766^\+[+"C^8 G009G?1TQU>F2_]-,L(UP3Q&O$(>;'W71^ M%_M[G!Z7S^';C[G_1467#6. 2GM0Y(2 4\B@Z!"-$K)!6G>KM9^'0<@^SZC MC@=7?5A$$"@#BH0!3DDM0H:!K+;>O9#2UMB;9U M-I_F^>1W0]K4SN8EJ/-+.X_LWT5S18/:5$CL^O:6HUCG#_BM(WZ[JJ]_('GPF_0FAN4Q$(7.9%2.0:1>0=>E:*EY%FQUNT;Z^[J=VO)'4]I MM=3"/)'..'E)ADMZ(?GBXCC/DP*NA"^T#1IZ>5N+8G.8>QNTV)H]M]]?THV* M'ES)R_(:J<6*Y@G:$$H]W!002BM0]4IJK{0!QPOW4M-)P9M^K\+T.%O..F(M#;=5ONRLE2Z&U2T.A\4$O37 -=#4E\3*0U>Z[*ZH&\U7NTJY>]5[U,Q+45'X M>CN%@1 S;;=61QT9>M^\$N0]J'S=BI:N-;Z!'BVFK1)%<&9/D&@J\Y>,?JP);2*N#O?8C M?L7A.SF,<_^M/3UX1U=(;C>:LD62!'DPGM0IAK*,)(GQ29'6!JG=P MU+Y?1H;'\D5%I/JZT7'W@+FP8C2G;O0M;(;;Q@#SN@?,RI;:>?1V&5$A<#AYM@U_&F/KS28;#?'16)?<_L[_V1' A:64(JJN7L_B:SI,*BG>&(3.1<[W&/K(:MBB?$HCVKI(/-ZO?^<#2^=.:?PN^%[G%YD!XX+O163T:"?:WCU[7ZZ_;^$,VVWW@MKG:>#M'5GQ4Z GQ#U]I_ #K([LWC]^]%PM QD MOQU6I[!B3R7-(G<">*YU!RE("-D:$-PXE$GF&_? M4DQKL"R?\[L4:6K$H6[MZJ.#7>I"$E4("U"7<9* >MX)C"(F<*5VC;-$9J1@"4KF3/%0TF5B]$"P8^9PE8"ME[PMMAZSB'WCKB:B)J@+++>TTH@06"XE&RY%:#_DX>+YSXD.6\O] M)@?4SFT*/VK,?QF-K]CLR:%2PB&9:H%L=EEO01=DO=,)66(L(N7V!5ZW@7E. M[&BCD9M4T3LWD)Y]&8R^XW+WFI"3M_I[@1X+/$A&IKXQW-71-@:B)&DDJQGCMUK(H6E=^K@WN.5&I&XW=I);9K4ODO_[D_XB;/"F7]L:^M/S6]XW*W=:6N>> MQV"8Y!"\UJ"$]'.E183LZ+"4-@K#U@KKK/>XYT'3KJ1_DR!VY]FYA/!D1M5/ M.)W.JPR6T)@*@EN504992^TLKUDM"8X)(1DZH7+K2MT[X#P'XK36RDW"N"97M0)TG8C(Y9*]'D^FDEYC3L1Z?W@4]+_)U=>('$=HK+@A2[N3^IRLHGA,]=M3! M35;X75EQ9>5K%9X;JT*(ID HMH R.8(/2H!,$8M3*'1I/>Z9XTA3!A#!\U*5\5]VKMI?"]AS MXE9[3:W@T\YAXE!)B/,>VH_XY7R<3LF8/RY7)T?VJO]:(]M114A!%JY%R,9WDJ&Z%=%S(E!#W:R@SL[1XRMBZ&F/JDXM!B5EO80X>@A,1^"! MOA;:E]3\%J0K)X3,;:7_ H>J/UT*-4+('[K?\5<:XQJ$\^O.#H9AR^G_?3Q M_[9W9=UMW$KZ??X+;K O+W..Y25S9V+'QW+RRH.E(/-<2O20DF[T[Z?0)"U9 MXM(4@:;$S(NBQ2&^KOH:M0!5!1?X#VI6*O5>K$W%TO.>M5+ETO*NU*%P8^< M7?G)ZJ)?20 ^ O?;C_L9 I06S*%CS HCRPUASQSZ-=)3GER9*QI:W,[;&VN]M"J<]$2QJ)Z2&K#4**5B,7W'/Q;>XG-M$!91Q9IB VC'A88B'JGL:A'N;:Z&: M*_/895'SV?7]#?_[3<5/NMO]+!D;6,JD#,M&DR(5L2H8XEAF46?F9+\,P+C* M TKB3_=TW K@^.5/[0DPK:V(BO>(.E +@CV$M!K+V0/4/I50NUBR"7!*."EH48+1U2DR'2%X+S1DO"4;(H1";?JU[Y9;E^0T74T)K?1[@5M-1[++I*G9W>B/\Y'G- %+'A\'\(LNN76%SG+V@4J;RW#<;3F?.<1_7$QO?UE^ MXD++#RQ_N%7R_WG 15T7!3P^26L4ZAQ6"L_>CH"&])*U^5HU2(7,08D+$M M")I[LWL_>GH+<]I5;Y K%+S"Q;UJX"^V555D@Y(_1 #(L,'TH8$CR- M&-9'#98KGUB?B=^;5WC-VJLHNP979LOQT:*#SL([' &WT8!A)&DIT#$L5QZ0 M;,1E*1D/U@53/;7U",,QFB$=(80[2/0;-^6Z*:VWT\O+\>((R%^E4D8WOKJ MJS@NE4_/35WU^-:*:I]L5=*197TY$^+W;.%)I.CATR\!DJD*??-N,#-7 >I MMJ; MWR[NF!5G^-?I+3K(RU&MW;GNO-RJGXS]581E5.-4N5NO!3'&ENMGN+>5Z=#HMRE]CK$2I^%U>XG/7'C96K*.QZ8#BKMRVXGY0_O2OO5-++)8PI*XO+-9D9#* M!(6H]%1,*(MMT8G=(!"G^9$6Y9XYSNS44WG:CL:]%KM*Q7N9H%R6@JR@+A8&O%X;Z(-SD1=N_?G.APGX,A5$W.3QMP_8UJ2O ^]1ET% MUR,Z3GO!PS6V@P('B'N ?6")3O@RW(\&PAP'(A.5))36$1$W;F-2WP-?,%?;_S,7UT#_!XFR]AG?G;WR9=BZ<[JZ<0R9[@] M959&?@0;2!"E/8-"_JHD;7Q\|GMXS;2^I-<(-M5QAP24 ?V?F2;T?;:'5F(5BW']! 5;MO60#E!-R3&H(NT%CMW6PRK&MB8W4"S%9S9;(A5)0 #$PGN9X8D(5)TU)I0W< < MB2@[?)'C\&0?\5?..OPYG=Q!C^;QW50THB&NV($P8)[I(D7G+TMKF2G ;!_JO=AWH#E!-R6H(NT'CSS6P MEKSO ZS5>+5-H(XT;V-&2G\3X0"YMQBXMA&@R 8:AU%/4=O4_0\H-_(//[\Y6/U(M(RX-2X9U9?1H 4UW<8LBK&"3D\\!] MK'XAXBF*X97>]/KA0 $/HO)W-U"Z'_UU_??,+F%CRB%;_.1YLDKD2T)H-!S MI>RKYX7K45=|=1]$]2-]%T"_@RS\32-KR,@50%ID4NHS_NLY?$&)71 M,1,H'_M,@O1#<+)<::" !H%?S[*QCCTF8$HAG&9E,JC M=YX%44H):TP*EIG:;LMF.*^>*+5%7C&_M8G#YS?S[UW]^V>X\A,T?8(510C-'!"82(L1?/(BFG+>,JJSS M'K!.ABRU55!Q DW9)?PIK,'\$HWG2YW_!5FER,?&86L)1$"G6<9+)H\L$!$ M&8R,5AX\!XF9>=*KU[C]<59<:Y, ;?%L?GLQ^GL#L.FFUDI41X%PW)0^-36 M:/1S@"7B%4A"M38\!&>#Z.-'|%_Q)+3?2, M9KUL&XAE5.(L45OZI#DB,YHOMRQPEQE)%8C4VMKE 2]J3-F 2:SGB+$%Q9&VMKE J\1 MF^Y0&GKY,)Z,T2V6B%&Q9/#A?;D_(-Q1E.DL%<-^3JWUR^@R8)T.?UBJJ M.;1E417W!.\]/?=Q/('Y]13_.F+9)2T5NC[>EID0*9*0,B5!.4B!FDR9ZV%H M>BWVZJG01JPU1ZI{T1EA\H?)'2"-)K/(&E.BV^0!$@RN4!@Q/N4]1+1H3'#4MZGXGE(1+CH\OH-5/_M>"[8OJQ8L^JID^)00;_AQ$$YS?XV[0NDFPCIWK0))ZFQ -D;R^U%"I8$%CEA M3@ANE;39]BM;?RZ"4^5*"P6LXW_Y?3*] YA_@;YF(WV8SGX8ZI'36KL(Y12AM"KB41''623XCGBA?*)* MR<,K2T<\? M!+#UXVJ,

*6I!V,O$#R005H04:-#0K?\S7P*V%X? G3, MW!2-A,9, ^/-*5M=K]?]WMMU M5:D#MC;CJL^(U?!%SXTQ]TG5>@V&'=!: .2/G4G8S:W5*;/!'1]G! M!I:N1.%UQ1LT5_MYZK^,KMWHZZ@60N=UU34X MYAZ&%B[@#\4 -:-EQI,@FDELIM!:!Q13,1-RQ@AN]9WD9D\K@>;-6N?GON,@+ MSM[P0O[0?)9?EGIW4\C&#>@7+2]C7H"%#^, (8@P$9!X*86A\' 6DY0&46"R M23T_RS- ;I)YK0#JVU7:5]AX$'N53AK=!=7=,YM_+#]D=:S.$Z*L#8LSK^@&5^*#]WG M;+/F_^(]K@IU-_$SK[!>XXJ_P75.KPQV+E]QU.7'5NNV 4),J4=##T&!X@@B MGS!(!(\@]Q$./4^D<<+,2E98=O60,C; M6,0P&<@2?#VW9@% S11^C.3 T@!)*]"RU5[>Z!F3P5OKF#@-X1S!XRJ_R)*+ M95..+H/(OIPN$!+5U/@+/QYL%H\^G-\^Z1OF106TRH_>=OTK=0GDA[L<)? M^4P0%]0)#+ *"PFC,"4Q465[&(M)*+ ($&V4\.F1N9O^C)V94ZVV6.="T@J^$ MK*%I5"S E@>PO[>U8U15T!D_ Y0I:QF]ZOX#AMEQ5;ML3AA=F5"7K"UK5V< M]<+#8SD'#/*SZ(NV] [Y'(EY2O6?DHK?N'-;]3#;!.O#ZSJ5-4@2(+_3U%[#C0 MC\!.27\^%G,@N)DE.B,S^$.1=Q2JG1',*F@[_>9BX=L9H<:\W+E'S5,GOS[7 M#7_(Z9N_'R/BZ9\^+WH]E7ZZ)^S,*.!R&#H1:&ZJH$@\40(>:<;\B',,8Z17 MIT.#V-PIDSUY(.F#G@&@.&@W/O4S!,]B- J\VEKI$P=!PF03B_M6*.AGZNI$M4 M]/(D+;\B1MF1NE).9$:>'6*QK$A=8<89D=KO6"34*!^D?KLN:WY;_EH\YN_R MFK91H78ZSD/\57:K#K8_XTW MJQ#%,0ZS!*9P1E40!QE'!(LBRF&8N+!"8F^R&'),9.M=%U8Q(N9;3!W\%0 M+]W-$C;;Y#@"C]Y6Q65"F^EFGQW3$FOS9MK$7'? [!:=E<13U'R&P:.Q^6L"7 M$?C$DY9I+^MU^4TU%/I05N_*#6G$9GU-J;HN5'_AE.=/2LG?;JI*?H-7'D,I M"[( )H00B'@$KU0!+UX]F:;T MFX&JI]"S066X#@\H?1FAM.4-B+)2_;Q8WIUM78&>(8>Y'C8XN$K;_**]: .& M#2P'R116@]@9'E4Q]&-1-U4;BKTMBR=>-;D:OOU1Y8%]40&:OQ)> ()B?9C!, M0MS53TF13R EOJ BSL+$CTR,CC;EN=V$+3F@BHF79C9&'S\]^S(+*F:V1;$ M=CQ(X['C8OBEA>O+)%S&)L58=$?F1)_NHJ;$& (Z79L1\@$OS3<;'$6_+NI'V MZ_ @8G0U0!FZKF?BC3A^J*%&J=\|JYV'E]DJ'D8XP#(\B:@T1Q[.(*'$@R)# M./52&:1P(Q_H5:28>SMUE)WQM9'T(#@\CGS_7?UL6,]B=>9=BG.$EAZOD,(N)G,..IA#6-0\KC)*2>T=+M M $6+Q?5CD3A4M:? 3>S*."CNY+O]VBLH/4+3I9)&W MM,Y ?]^HOBY8 MVR:T+:2^H0QHD?ACZ&0<811!'",/.S#{J(Q'Z*Y*K$4[T%W $W MLR R6[ZNP(@S,+#69N5W37('2=100G.3W<5\(!Y|G"813$(F9 R?Q!#[W(<9 M18@@GXM(:-W$77@V+)R%+<)G)N5J-"M[7"XW*=-6? V&H#7T4;92OCZ-LD5QU M*=SZN5<+PFZ7FG4Q_&ZRMQSA-)'<=2F%Q7*_'$$Q3@US-:1MJTG&^8,*]H_? M%>XXJIY5&9JVWN8I)$F4$)+!2/, (KFV0,*(YGP:V]JO\3F&I45WD'*.$$QARQ!JMRV M.@W@A!B3C,]AB2=#C_;Y@/Q+: SLV6/,"+8JRWH;,W+B9>4(C>W"B_L<5 MZ#A2W=7KCF* [:1\!,O-OR+ M7,_SHKO/6RZWY!U7\]>Y?:H7]*WN0S1[V[$5_EI+3!M:]VK@.<=;OCU[Q> M,92P- L2Z&<80X3#&&9>YD,L4)!$@? Q,XR17; (W>_3<,@NVW.X=*NWX!0/# MH.,8W @PYAG\H9@U= D<3Z1NM/):TV,:Q[1\7IV=FJN#N2GWY^8*M"P#Q?.Y M>;*(=.: TUD,Y)2YA:.C.8]C)MFH6)^P+GK_MRF:^[U@VX_4==P^X,#'&:T6X/0^K7GZXD>P8 MG%..P'K^^&LFL$P XQ:2EF9[!'+P87LOWOQ,RP0Q_?.KF7"S.ZO2Q_-H92% M\!,'4":C+7;89'"B^&#)YG4[U_FFNL-%_E!]#FE1E^N<=264"O99737LOTPW MXD->R$4@E]Z[_*1+2]UEM(SO(GC(3V(!/8%50B- *81:F'DQCXB&$*1>)T55I MUPS.,+-5B;]:^5MCWLR<8.=3HN<&OR;09O9^S&E]"6O'[M$CKE54[E% ^P8 MWDN/E^6&P%QX.O*$G;.WJ"\\% [@OO>'9Z%@D_+4'%J.,5\G"5TXW5=[DO%X) MC_M<9!E,;$P@2DD&TR 1,!6A0#%+6*BNI)[O@G>>E)$%M6UHQP^R\@W2D*:1 M.N_5NI/? S+#U>>4CPJTKMB/M# .#3"MG6%@F4EEC8I8HI27F5![4] #+I3EI M";*7Q:3WAE6O@0OK8IX>868W3A7O=U8>1ML& M!Z]>+O.\:"]:'[@MFCGX,1]P7OT-KS>C2PCU+D!(TT2$<1A X0D*I;<0P"RF MJ@M4C*,4^FF0:E7-U*(VL^8]V] E#G[E6)$V\![TX-*+IYR!8*:[(GW:]#- M$>-HR>@H8)FFM6CTH27VRU!"[R7;]!1Y5NVV?L%YH2J!W10[+_>ZRFOYIWK[LFJ@7*@?S(/UV:=.<^?S!Y@.PQW0MQ^O0%N;!L?(%;A^POE:) <%!45;P M*U8E]D8SU@L!E!3;=O6$RV?YJ(OB%EP+W1FA%WMB<[%YK)HS.# M?;!'.C<|R\+:MP]WRM7Z9'"'_^A[\ZEQU].FS]'9\]8_N;ZP/RF9? <7H@Q&7 M+19]2J"#.M$G'[0N$2V_VS5_Q[O_?BQ:);AYY*IL8G'W%C_F#5ZKVLB>YZ5< M!MB0"\]7YZ$1S((H@5D2)'&2>DA$;%7P.^43Z7D/^L2UOKE9]\T=LZ#_!5ZO M0=G>72T'Z@!O'3OCN M*ZF.HMZXYQLJU#W= (&/PU<_%F5BN_N^VXY ==US?LJ M!)]R3%0Z>[NBNZY9;8B'NUK6NH27KG%M",B1VM>F(Y@9G+IJCA2\X?PW_,#? ME2I%;X5\/^0Q466O@T@:&&5;>)S"E/,(TI0P+3:29PG-?/.W>X$0G[Q)5'P M1T=6,UE+ ZIN^$6 %, [82]J MOKKBS6E[G*4D:K+WW9JKD%@$;76%W108X,W MS'W0UA*H[-E^&]M+15V? 6O6Y!&J>3]Z2OC&\+'9/[O.=]H\$\RK)3ZVG>_^2XNI7H\E6 ?1%Z*8$H:Q-B*(5$T S&*,T2%E$6!5H%E2[D8V;%'9,& MO*/=MCS(MSP"W#)Y!>27*3$\!/$7O.$;'Y$#<_ ,6H9@RQ'8L=2YYZ,-6/N MKH!B#+2<.3Q8NPP:5T=NEEPL>QAW&50'QW07#F=9.H!+"GP;- WQ2P<3HQ-EC M 4YC&D-&.84HB6*8"2&@[W$/L2#C&3)*]IXF-[/)ZJ@9U@J8QD?/WKB3V1RL M=`2O1O%^1WJF0WD],5T5$)@FMFP5 2W!#TH)Z+UE!]=ORX<'=25.CM1>>]YQ M-DTMK8K:#E!A/TP]EC!("59N"I9!>THP] 630:V($QC0FY>(FB)I\AVW+P6U MK?]$^D)%/^7JG%#Q\FQ .,0,;Y!U% /4@2$4/.$1.1]/*$+TPK M/KD%S[BRT_N6T,RXZ1E+5TB8FK?Y;YA!<19(/:UW"H[AILR^=W2U M/0EYQ@([^@YS$G1%=95<<);>LED"NN(?'/=KOWA1,9&6L/9*D(LRP0B4 8#D6]T0V$6 MQEPN@"A-!<[B- -6N"S]!9^YMRIYRNS7Y;4L;Y"UQ_6MM4TA-&P2'\IL9@*WH MDBK8D04?'8]N?YW/$01V=_EZBL^@ZHTBXX++-8/]Q4^Z\C[:)Q,XB0C,%- A#.6%&/R^!O5\,OJCR'1?LI9J=>,I,H=HVDM7S MZO>O*Q*&G NU<\THD4J$8TBR,(-8<.I[E#!!-"\8[0:=?1-+5:!J:X/A1G>S M:B0#8TD<4)Q"D7@((A9R2%(_A@)SRF*?P"#)=.R&G< 6MN(R<=-.@YT09N;@ MJ|\^WKY_![]>7M^^_W]Y)3AD>2*CJ?7^X4_[^EYW>CX9:1-- *M1V(W]-UUPNRH6JUB,(\3(10L95AE(8AC"E",,P M]=-8Q(CZJ5:)86V*,ZM'1U 5VWK8DM0/;?4P.Q_?.T?"3,<&\F!$_PKTT-P(M\.MLT.C'_\XALML)< "5TP1ZXRRV6V DUGC?P.S%"RYD=YE3HW,H M&3&$.(PC2+"QM@Q8 K.)ZH+F8A$*G_W0HO;U"_IS.[_=#G$76JEQ6WG UST MHH>+936S:)V0UWW^Z"RG<%,"N;S6>T!C^3NY1\0)>J'VY,.&+@G/5^^+IFV/ M\OTCDP/E(J(Q$R+5?D'*6979", MMKJW#O:I]\N*YII[%]!S;HA+%,R4U1H _9545[B)8$".T>FL_&&GJN='7F9- MU15PNY9JOV";%ZRR$;=GWB)A,8J(BIA)"A'*4HC]0(;- $5=5[DG$A=9=O^/# MSZR@0]+K^<-N'2CTUDM/ 8R(X2[_=&WSA=-UC@AVFYQY]ROE= MHE^JL]Y744AB'T=,>: <)1)'T4W&84IB&B1]Z%,=!I+4OI4MP9I5K:3B[\M-! MI*=X+@4W4\7)2SS2BYW&Q.5-G3U!Y[^2TY'[4>[>[EO<,EF_ST[-?]*[SG; MK'E;E?L4H: [5)*-8\%A$D))(+JL\#" A*8&10"G&B4AYBDT47I_TS*H _-(7 MP)]0";ONG088ZUF,>9 SLQV'=_[VH'/>YM-<9D=FQ(#PH@;%')"7IL5B!,N3 M?^5- L^Z*S;X"&3N'B'.8I:J@+1]Y^7N2#PW>-5^P4^K]D^<>"KC?J8LMG==6W+*Z;ILK)IE'VXK8\ MWDF\;_X5I#2-8]^'7$8)$ DL((XS#BF.8NY% (HFQUCZ:&W9F-@O7E&X>-ET] MWFZ3>*\ 8%]>$G2% ,VLQ(73H&=(E@/7S-9T,Y*]EP9]_Q=4_>?-A4[!ZZ'H8 MRO@)8PJ3R/,@PG$(<2 C]@P')$QX['U=L&OV M(*,?M6?:R.6X+U8R"G3,(EYR@.81.KB?)H0J:M9#%/N)P%!4<12HTU.(^IS M;WMTO%R!NXZ;MJ8FWN/'<)_#"%K-K8ZY #,S UNL?AEAM<!*&'B9P4!8H>!J M_\.(JK);(#:P',R"6 UB9WQ^X\U;7-]_KLJGG''VYOGW6NVX;.\)[SH]K%(D M34R8()@&D8R1 H9@YB$"T\3W, (D]%B.LTZ30G+21V3%O6B@9 51R C:2 57A M]_)ZR :PZEF=>< R,SD*)\4$&+@ Y!G\|'L'VI_"%9'/HV9L<,P!<&1M# @O M:FK, 7EI9RQ&L- UM;=063[_,4A8'7A;',,A\U61:^#!E8>3VGB$T:\0"M] M^NCHL^^H*EJ EK7Y_ND8]T=4TO)3/=(6S(S> E'!7"V#SH>>^&=SR-B'>YU M'GMH[E5ZFV*32KQ0&B$88Y% Y&4,8AQRB#GEF" L\?3-4G7-F3#YREKE\;-K MD5B7W^]N1,>QA?NO[*W_%'7+5-1&[$_[.IFYSR/E: ($NFQ96$$0R],I2?' M0XA]^4_L8T(BC*551+K732?HS&S@?Q_+U[^ '7&EBCUY_?N44RA-FRB'LIN9 MGI=BWVS%/A]N&7NQ>J{8(X]N@.H]? M5B[F^GM>K]*44DQB!$E,&41<'113+X,1)9PRWV?4-SIW&@\^]Z;-KIJ*HF99 M**9%07/?QE(VPVT;7;&L2\2,^7= <(*8=^E7*PXR%.E4<9N\9R_!'%1M1.MGU MJ%(.1%FH#:'V>T3B!*<9$A C$4(4D!AFF& 8IXPE6()%IKNA:UF=6K(PEV M- *W4;!HOS0#$%0IFBF@,@'FHH".8JT!@DM:R;KZ.V =.O-9+]FV)NVYSN]A8 MLRW 1.1TW:-$0ZZ).S"_'7+P7\PFA MCG5C/O6HN5+=5E@E0UY7U9OGCP7KKAQI:M2Q=V=6IYXDN%;56N^ZQ/4KM7=/.=O@M;YZ'97]O&Y=*K:98FE(I.YFU3GQK!3LZ("+:=>4.&/5FGS MW50;VFPJU/74Q3(905X4APD4H5!ES&@(299P2")&0QD6XR@U M\D'/T)M9-?>H@UOYN)4;>@XT/4?4(11FZFJ.@D5O BW9G/4DF*:V<"\"+=$/ M>Q#HO6:GYLIRM$V/A]P2WY>!9< BF+),QI8BB" 1<0)[[<)01F*8]}$KU\2 M6&"_Y:!0],Q4]P (/5V]1#SSM92W.S9SY- JR$B%M7Y+%M;ZI;H>_.UVEF;B M'A;KFZ&EI8K /Q9U+I_L _'/Y3JG.:_5R7]E!?\8\,?SD5_FJ/.]VWMB8-A MTV8@W]X-4SQPME'? W#\4+Z!EQM&NC8'85ILX.N,OMJ=C(.QXB\?D-S7% MG-6]V]V[_$F&G;D,.OF-&"I&\WH5)\0+ HP@27 *D:IYD7HH@V6X^EC$1) M9'2.?Y[FW,? [/0=="GB-N$R_KKAS^\]SZR@0$%

M+SG3UG%%\ZH-MP'?D6XSTZHM8]W?<0.:>PX(O\L+=5;KED7UP3/'E5FL?ME4 M>0E/>4 (S$(9/Z%01)!0+X,TYAF+/!KX >^GZGW!?LB)&OB;<9]XRBU\G0G" M2>C[62IU*8D#]#+R818Q @,A-2E,_(1@9))¥N-CDV&8GML!K3D]|7WXKE&^1 M9D9:3,8+M3$L?ZK+=<[:.KSU4#^Z=SWE:V)=?C,\G;ML$O6VS1:;&C,'LU,7 M]2\8T;L".U9]TA7_7COP_$:[G;BG #E:+ON,EX6W=-S MO+C3\W@UK6,'AX M7)?/G'_EU5-.^?%C!.E+/4GZG+?G"75K8\9_5R6%5O?,XBF", M!0Z)(!'.5.XV':,RL^GMJ?474?]JF'A_%!8|PWBQL&9&K2.WO9\#_AA(NFQ3 M-R62JYSUHS26S4&?$O,@IWSR82(Y9(#PI.R0L51FN:01Q*N/U M+(M"RHC' F;D.=K(;9/E?IG4>I;%1A8S8W)6#/.||Q<|N\HM'X9=-G_\A3 ' M.>(O_WY9EE7?).>VO,7?_YXW]_?EFN7%W8>R.NX_R'4|"5#F>S!FOLH,QPQB M3ZG'TQC3A(0T(V)5M$66-/1<_N4\5LP7%<2]9,1NODFIF"]:I5#3K\>R,7EN\08U7\7LY9/[$/Q:T?.#] MSLUOO+D1DHW/[8&%_+SJ]@5U_]WZYUX0HP3%!(J !I)K(BK!S4]@C.* <^*%M/!)F7M/E3,WN;W6E6>B81_#3NKU=EK>\7BFKV!Z_*)-I& @YF!4].[@LTF86 ML8-XCSG0<=??X[L"OW40*Y,Y1P#F#AU'IM$!0XL:27<OC27#D>V,YP?BR=1 MKLO]^4B|\A43'J&)+\/'2$:.3*.0^3'D:0D)#+^(L3FCJFX134\1F#K$&TL9EM:28!TK-.KL0VLSM;JF!'%OPQ2R]4'0$=F8Y)4HL:!1VA7ZJ[UCL6?2P..F3L M_.KWW?&0JDI0;IK^[}N$W16.>)AD4K$Q5BFR8>A!G'*0\3|S]$,G#3[>#.MA34:,RM_3U4&?%W8\3#0-6B88_QM)%8#CC'QUT]8U=@0'=XZM=%735H1+$(MRI8M*&9$VZSSQ,4@3?6#|\X/7NI9O>,%%WM37#XUN,7V;L6>V[CU+8.)L U7VWDO MV1I"K(&SL^?P;H"=-O]+8&IF^&>#TZA$_B686-7*MR*X6-'|\2^ 85|\^_:!PSM2U17S>IS5;(-E:,4K,]=[-^5#S@O5B@(?4[\#.),U;V6P20D,:$P#9(@H#A# M+-/[ISU)96;#TI-M4R][PN"/CK+FCOC!Y4V45WK076O2;ZIP=9.YPKJ<+6L*@HVR9 M_W@@O]Z6CA/1'0=D-WUG"O>]K,X)ZSH]\(#.ZZ3WG1+W9'K>R1?LE/0=?ZPXMS;O(%@69"J88Y$AEU241@FF""&0\YC3"01Q$>+#B=O]77X3$-BV/W6W/M'5.T M2U[>PT5/7XW%M%+1,15WZG>,=T<:MS?THDIV3*B7>G7T&3M54IW VJN9XW7 M>G&*%C(TI 2B)", "E"6!9#X?@0%]1%,"$LH,JJ;.D5L[EAXU_%L1%SG5-$< M-CW-NH(Z$A=)TDMJKXZ0K]49ZUW+'/>]I)RSFI5C'E4#*D] M7?V0%[B@>7%W39O\J:W=O/(P081&$229)Z//D'$9AR(.0^3[69BD*<&I6:Z' M(0<+)7:(@3+ 6]*&"6R&R.H9A1G1,HYF6T;Z O_C2N9_;GO6[3E!UR?O[\ M6KMKAMBQ'&W,\@BF/5#"[U(FI#R,J/T2$!=C3K]QV M*3,S.RH#Y?:Z^):T2=F;"[&>-E1+(VAFM7K.U"WPGC5@MZTF-#/\AM6#W. U63'H0A(+5@ER \9^92!'8|\Y5#>]M^?!0 M%NWND^2-RN_SC7C_7?Z4U_QSE5-^6[!AGW".5H)['DT"##.2]"'7I1#S()8>-M, IBDB2(>LAM03QMWF9>;T85P(K]"F#YM@(8[RN_T9;G[L;]E>K*1(>+(#WC MX%%QK@Y%">]ND?R$Z^%!S2Y-T[B)NFRLFF:557+FKA._#UN5;MTZ6>5H^E26RF Z;>'I$CB,R6 M'=%/]A_I?'*1:V;NS';Z|*[ULUI M@OV$P@0QJ@YB.20^Y1!QP?T(1SAA6AGS9RG-[!$/?7K;BWU678F/@*.GVDY$ M-E/L0=I>I5NB\[4E/BV9V[;$1^B\1EOBT^*>:;$L\|8)AD,SS5=^3_G]=WJO MLF%^PP|\Q9G41-5X) C,KYT 2##2!M(JH9MIS"YQXZ!2,YTT%%+?T3\CR41^L'RU4S_YPT[K3@ZXC#-^1HRM1WWN M.!J%=L;>]F5ZYA8!ZO5T8?L MU.CO4BWYC1"]ZZO@L6MEZYA\X#+VQ:7OY_#Q5B%]45UI-<:!!=5=GT 7EH @S?MS,*O>5&]!7O8\OI8 MR !V5P/B1KP=E5_ 7S1MCL(V!0\E 4\(%3 CB:>VI2C$*HA#U(2,DHE!B5 MVKR(FVR-R2?5@25=Z6:$]C*R 7-UQQ\Y==+CS[QZ:MOOO^5.I*6%6TF(..S5(Z!,+-'6^+29>KAZ!G8I%O/M3,Q0Z>:\Q*X+WDQ0?)VZ- ^&'*(D!_"+,@(#&@+]#HC?)H"P2=0^*Z&[K.S3I)9.P3XK M])%\Z_/OV&GWIQR3?-U=-" X13$*,8P#$D&D5G:"$(-A&K,@BDGB$]_D1'XT M]LPG\%VCK?6.GIFVCD'04TY+TP^@ M+.[@.G^247[7F<-,=0[@T-.?2X0T5"(EWZ=6ONMI^8Q5Z900CO3I8/A%E>J4M<"\UZ^1SMAECTJ&MFIRLN=H6["M(1'(MRCP_@U$:!!#Y*(69AWR(8^11SA+L M^YZ)CAVE,K.BC6BVF]2FR5_'<-%3MHNE-=.XEX+.4#YC4B)G25S':"R[Y![.5 28")C*)4]J MJI>%09JE2:QUTU^?Y,QZVI%3>QU/PTVCX3X#X#T+^LGNFBA.*_(\V)AI]?;. MU78/NN-QH0=8"K3?"YX]%/W<-DE[GO!"ZG/"PSR2?2ZS4'6BQKWDRP<3*\ MX9O6.>[;7'IW@)MQ_-^ULFB.IZ/DYQ M,O6#]BJD2(C*"G0<|'54)]=#Q^G2>ZZ$KM+=C]+<>FD=UT(CB2_:[]Z<1'A M]|\?Y?>EKP_Z|>%1'=WEM-NG>-XU1+"K(]PW^,Q&XF7=V[;F]L"6\K!>,F9= M-U@3RVFKL0B,9C;$&$"[2@NAL1%X6!-B]]5.=@,D(G2P88#V;DKZE10OJ3: MV+_C3WQ=/HX*IZ\\@6(AJ,KQ3U.((L$AB;(4AE&*6"18)FAH=IXW26_V[V! M>GN.Q7;TS1R2:;-;\1Q]L"C@K#[LIM G:*FJ2)LJ/?74YES(LHY9,!BQI M%H,LYG=EH%/M;YV)8))6R)XS.NX3G -R//>@]M:PNT=M@C]:G@UO1KB,13WS]"IS8V;*#]?EC>ZTO+&8%F,#Z!Q"1\;2'5^+&E;G<+XT MPNX)V-Z+_M9B ML_Z4"[Z*413C**(PCD8D9S!CG)8!1G@D11P%%JF(U"3NS^W,=4_UY=;YE MJS^Z!KAC"&Q:CL!:LM3N2#W+U;8VW(6Z:%KTC.Y24O9V8$KT(=`9]O&.O/ MT;-P!OHF0,==T"QY_+^]^4@.;LB?@$K"]\BOQRTPXOF#L8TWS6[K9BTQ-(W MSKNB*>]PPW4WQ8Z].[/SN",&%#7]':VC/,6U_>?]_(I9YR]>99:*157)8[7MS5Z=WEW?=A]YG&01Q%F (,)1"+,X)C!)/#] 61@PRLV<"G,F9GY MKF:/B:O\/',&ELW@LP;H(.?/?B0[F_5+6;)O^7[]71RX&+M.!UL=RM)0&BN!M8$C\!"(_]&":80QY2&,:8,PITBK!:D5]9G=BX*7=OSWPP??ZD%LV)#'#6L]> MS8:@F:ER"IZQ@;("P9%M,J.]]%FR@N6E1;(;Q,X8W3RVM:>+NT\<2_7M;Q(\ M;XO7A90AE]0P2KATEE*2P92JFI{4$8HI#A C9L[2-,'Y:,.#B@'-L:\6%_MQ>8,@'HFQ1TH9C9D2Q>TA*_ E0O,M>]TA'1D(\X06]0HZG^T@IHOF6QYZ#N MD[4[OO?E6K[RI2D,&GH??WMF1Z&[C>B"K[P9E.9]:68D%UC) ^)BL0WW(BPE M-MN'F!3*;B?B^)#+[45,BK2W&S'IY,7YLNW0M2K]P]D*L31%"%%(4W62$<<8 M8J1JX7G<9XD(/3^-S=;1$Y3F7T#W;WNKI M HSY=Q/?NUH7H&.ZBS9KL?$*W^'GVE]Y/'"*9SRADB'"(.(H@41>&$AF=-M!XF@.$R-OJ@Z;?-F>3 M#&O+>)ZAF$1',U,1U?!;\N3 MZFRQY>H*[>,0:&H]<%?I(M#8'S[YB7$CC,G=REC[QMB^I_+-[73?Z &_X>5ZHC9#W<(7P@]A MZ-$8HB#&D'@>@DF6O1F/,6Q7N\)%]S,,"!:&A==I'6#^,3E6!Q),]-R-.][MQYT,*KKV&!\+,'!X!08>=Q=SKT#+YY*PZ]L?&PX ?&#=[QW-F!-M9EX(>OK;S8V!BS:=H:WTRC9J:[GG2#_".X_0^5C/*3AFMMT0%_"'8L=1[*'[TQ>)!;4"D:'^2^9JK?HNL???^]V>&R%R*E7*8HOF[$ S]W5+'VP9 M ,'-GLUYT$YK\E.\3#3Y/-0S+!|HRVOE0J?'WTQ%=86=*S"^B _4'^@+VN8 M)"CA68)5#I4'D9?$,$VR&"8H0V!4$M(QCF9:?ZXF MP0P%(PWD7:)$P6L4DS2 P*A5U]OFONRRO^+LQ47,:$Q2R 77@)1 M%L00ISZ"H9]%:DV NK;LK](^F93YP6O:]ZU*U$WM3(8KIBL_YL0/$P0YP]HCN+J+QB(!8^8G?H3"R/>25<'O5'FV6WU'P(0'K:]\ MUGWE#SC1_OJWU.I<;:IU\6O9W,O0MKN,UA]E%EWK':HN7>&>.|-V)";8ZOJ+ MYU#:M2OIN5"]TGIJ8,?(MFM1>U_M^AQTY@U,+#!PU=#$A/2R#4XL0#M%5&(S MA1U94KN-]8V8XIE0E#>?%7;MS\=S]NPNC@]1/(^(%D"0T52W/ YA&K.V CE$4 M93YE1G?,],@N<-)4*_WX+!\:]O;-+(LF?'HVQ3TH9M9DB|>.@ZMN=_$9_-'_MU^EVA)W@CDR()M%%C8<9$"_-AN';Y@?9;U4O3DR;O^?-_=N-].$?>#6Z=M)] M\(X_EG)%KX?[331*,I$(#\88$8@0SV 6)@0F&4[\QK.)EH-8FP9F#N?I:<* M6$]6_[#4"LY14[($2*8!3L<-^";9 0/Y%_?(>@@'ILY?+7.#I?Y9\]R8VATOMSX.MT6GR)DH1IX$6I2=^[0Q)&)MBV_9TZ+JE5%^^>KFDCKP-< M])RVRZ0ULZ4?\@(75)WY[@A>2SDL@6NU^QRFVHA#T19@;ZCRBQ6_YT6=/_%=N^OK)YRO%9D/ M9?45K_E73C=55U7!44]0++QH6W^/L]] 2A$,"^BD/*8^Q)S*C M2,T58S.[8;\7%?OQJFMKMJ_!;:\06E\H.+N"ORBIN$GQ?F?MS9JRVB[UR<9=5@[P#%TKJH, MN&)KV7HCL\[%S@>GP[H_NB7N/0&>E=OM[(3[L#@)M-4S?RVRI7W57"]6!! M%D&/4 R1\EO)YDO'*?;3(",:0,"6!EYO,9H1 M3+,UYZ#0[JY'87]@.F)#KDX=@^Z6%DL@'*T@1M0772@LH7FY'M@.8YV#U50;MVLAEI;B[+M@7OE;'EV_+NDWJH/W/_HHF69#$D0^S,.."J[RZ'A*(8QEE$8L^/ M$4N-KMWI$I[9T ^TNB-5*M&],ZUII0VAGJF9 Q@S&|/'0>N=]CP1;CM.]5A MIGYUFIAE)+B[["P]LDNG:!F<21/R^Q]\Q.0+YQQ_M"&_%(FM7U7KN6C=]L6 MF^V-[/[:X(WHTTE:^_7^N_PTK]6[OS^6Q:W2NN;V6[GB*<^(2'T8!W$(D: (MXCA!D#'15L8$XPQI=<>WUXOY-@PN$<\ST^;,;5YX_4YNYG;I];K===?Z7=[*>N M9UGU_1U2WOJI&_$-%..@XQQ(UE]WMO1/AUYYUNP.CUYO]HP.F&;$=N+\;0ZJ MBQU/S0C9^/1J3C(."NUU-4AIF7S)?3>5GVEBJ N2A9.N+L,#=[PE-1/3O2?(',YU1^#U'.D] 2==YOTG MS:\H_EH\Y]K\]&W^P-F'LMW@_1M>F]PYGAAB9C_TU]\^?QR71&\YZ,Y2QPWVMVF;8^A<4IR"9UCJ':)BIG@D03N\6:TAK=25Q:MS%+B-J"#>^AJCSN-T:,=&^MZOJAK)K\O]KY[6\W?9$+?%XPM1GW0;*#U__)<;7RA)>)T$=0"*0BUB"&&(<$ M>CSC)&4HD2.PZ3CC@:?8HM:>I8D_U[3);PS* XN'ME^+J=1?E4%GF7!?Y'C M/373RQ_K&<[?CW2L-^7V+#);KW>L9SAK/^*QGA.G=69L%SS64U3_MSW6&T$V MY['>F(SML5Z;Q_,95\US7^8K8)E/8CG%W MDI!U++SE#G*F"V#SS6!AYV,A5M/B0Q^_K899>U%$T^ [@T#W NT1(TT5D)-\L%+L#. ^ P,)G>*<$/#S# M._FDF;[55;/ZE#=|V/M6!L%=6!K*_\-)"$6J.E!P%D#, @\RQ%.?"5\$ =?1MM>/#SQV0;@F]*CAFL>@)/*:5[7(I#>-/,P&U%6U:CBDEDV^.%$S^ME.N$X,N MHEC3 @U*=>8IQS4SOO G7FSX%T[+NT)=7OQ8T/5&I;C?/')5%?P-7]L[O:O$ M(R0)F \#DDH=##T*<*.94""ECPKS4+!#F;H+.QX"+PVYF1S1J2?1,@AV7 M5V#+)^@9!3VG2T^ HUH>E.F==)9@F'/G]^F9((**!@"0@%%(29#X, \RY46/3"5HS+SF' MW;CZO?R.NN'YQ11F>M&:(R2,5P$[$"YO2G8HWEP]R4;47K=[M-8WW&7UV:XR_8X=6/4;&$8YUB;@GO<876)E90W&^%RK8O4[%K;7 M(]_/A8^^0S<#3G8NFPN\C+PQ0\DG_"W=D1;S] Q%&_M,IJ_:>45?>;LM_@LOM>(77DM U>\B+O&Z-]1,?OL8!2CG",U^;3U4S1,(.L:_2.S*?,<\C61H)LR(7 M>H1-ONU6M2UZ-J[7<=(;T'Q'BMF+I,FH'K>DWN0S$SG%IU?1NCL\^#.%-@) M[^RKNYU&C'=_S G.)B>A(TA M&)%M$\9KPHY5!HF"?.")*. MERHB@U*?P2SD F+/\V.&XI2GOID7,$5N]K5_(#X]M[KMTR%?XY5TN<#_]=_3 MP__^;_!_AE=>FK4+H/PQ3#,SM9_$E7LT(3&G,$R(M)2<9S"E,8*$AF',?,*# M,)(1:K,0IMN(M'&/IT/4 D^(%/D>1#A6/JG\2F:1QV :><3S>>PE@5&#.5?? M19N#HD/D' *EMZRX$M\T..\E-Z@%[+#XMXGPCM:=25*++CPZ0KJ<>;3>L5MZ MU.KUL5 WN=L&T[MEK?NQEH'PYRJGW%^Q)(E3DLIU*/:EO<0\ECYF+!>C5'@) MXCZ+ J/M>FW*\V_>]^3 HZ+7UE)DY7J-JS9+N,LH-BRKJ ^KGIV8!2PSH]%6M]MWQ<#7V1X=?6A1,1MQ9"6/1'9D,?;J+V@]C.%X:$,.;(_^ZN9&]#*\=9IJ ME*$H8C3,*2)=""""P(>I=._^@2!+IVU(:\=CHCN,!A9DM1=YUT@J.DI7B==2VR&Y,N3HC@[L7LY_L+G="?$.SR=._6@G;;]FA=E ME3?/0ZKUS;="?L'O\|<^VQK?\3?/GW'KFGI&H:"$BC7\$1&/E$&B0@H3-(X MC)/$)Y!RLJTH*VSAFXI#]=[)&DS%37!44]Y9T+'<$|Y0^]*;B&V(Q-@0ZIU!R4NS83.$9>&"]F0;V@Q+=X]]B,0"8IQ(D^'S M%&99*F-_+V R\._S&Q#F[O'WW(]H2FS:ZK/TA6WG^7W]D"KX<4O/JZ8.H.&/]2K-,P$SX3TB5,L]2P.9'S-L(!>RD00^3ZAL='2;,O([&<['5M MS148&-MFJG;]G-OK\5W!GXX[\(?B#[0,&N;464^([NG0_#";'AW-A[#%^=)E M\#@[?+)D8^&3J<5^T^0]3!)"(,H M0]'T(?P QC0.!"$\HQ$S.C\X2F;NDP-%%.1;JH,'!L>1T3PPN%A>PZ,"5M0=_M0?#V3,\'\U. 28E<[?\?)[+LSO^DH =[_M-/NVT5^*&L>'Y7=$<*]/FVPD6-M:9\%U_ZV;M,956.VMM%6E==YNK?WZN;TUM>LBF"4"TX#"E# L79A4A@]^M1^2O<>S%E#-.C7;Y%N!Y9G/1W,A^FS>)?HNKZED[\Y-^!>^C&.B95EO)S&S&@?O$YM_7F7G+OL,[<M=NC%Z\N]%.I87;F#9\PKX7\NZN*:_:/^7%5?G^C;>MB!U*R"?^+UN;=8E0%2 M-U>V;59KE0905N KKYY44L5D[S-M$*85R)'\AINQ6J(IW*O5D-*JUOVI,1>K MIS*R?]VA!GI'&;2D-;_?36(TK9?.)#?33"NA]>_0Z0@U MH8CR_4X1Y0\[19P>=9D;=#[";>_.;3ULO@I>K]?OOW.Z49=FWN*&WY55ODV: MT5P*I\;8>X-PO09;VF!'7'\%G 3@_#+H2G;#S<(38CM>_72$LUH")P=>;!W4M$6^\&&H];W[3_Q.O:\Z51]M>=VE+B:R$1YA'?:)*2'D0"4(@\6(!:>PA$@2^ MH(%6)<13!&8_=U3E#U0HM^:JXIFJ ZU__?PH(F>6/@=R&L9U+;4KT(9V;776 MCN^%8NJ?J;]47+OF\\9B&UV6GY)IXF\T=<6NP8_Q?3XSOODU5FWS7TPBWM+%ZI9E'QG,VB!MSUMJ5F1]/,SMDUA&K;ISAI,.L$EE=I^33P\,W>7H!TV5M MG5X.9AZ-O+V7-#C[S'GU2U5N'C\4M_Q[\T;*]T_=8&1BB)DM3D\9*-*@I;U. MM\JF*!N#;113$)P/1QQ);V8AI@0'?R@&0,N!HZA$0T:KH&1]W,5B$@WAQB&) MSN-VGL6;39T7TF$9%>H9VBZUMY;4_57:G6^5)?N6]JBH6PEN\?=W7&5XML:B M+1*[XMC#Q$\SR%5!>,21]HU+$ Q8G,G_9B%.M&KCSL+=S'9AX*#U0MJELNLSMUN#O@&U9,?_W,Z.GE_R:I&B;6:.\33#B\PH,+(T<%LD5V+$%.K[<-2NSP.7(MCW'+VZ+-S2RPOO1[YB%R07YG24WJ;G^>$E"8VDZ<20RB&A(8!:K'YZ1%X]$ M)EZB=TIR?/BY@[*O7]_??K7(XMS)KV>K[*4RW(CML[D'2@YSN8^+X#)-08)BA*8LI0A%A&52F.2 M.*-#=.:$FNXB==EFX=&]++R?UFT27=YRM*UC(UT27O_53:KD'K9Z6NL:,3-= MUDA67#*Y\)C0,V<'[I'\(=+[CH&@FY[W]%W[A55U7D5B33(O"R$H:JBCD0: MJ[U3^2N)"!8X]BF*3', 4U.!+I24H6N9Y"*WH9\Y?+A#(3$WU9+%*+Q@S?E%&M03O0XDD$8_:/Y0WL_=U%%:/A1'O\DJ.5B]M MNA'ON%'!#+<59OQMU_!R2-()(TK#D#'(L*J7QAB')(P0I#Q*/8I%X#.M>U & M-.=>KG=<*'>SYP.TC("!$_T\ UT@SZSP\\!C:%5&R-R<0N0%\I0U1/K9&3-M99>PH069F^P 0YDG$CIT1UHLQ\-0M"':A^FK=E<69WA2B[:_9/RR.3$^\/K.1M&_+YW_""B[RIQXG]-@>GIT"8MFJ.Y#>S8GJBSW!T>D92Z^L,Q\9<]#K#A% O-MKS-,/6K9983><[992^W^RN_4)'[ACRHY0O7C%F7UT-KK-_]'W??S-C#'H^% M#WF(XA$H#;UV[JOB#"!,\:)4:%?2SYFUO.!J[;884<:;!D#(\X >1X>,&Q* M8HF_7CRU_*IFUD,;T*L1HM*8J'+&P*E)<021JR8GEEPLV_7D,J@.VJ!<.,)RY MK]$>*7Q5E9KOR[5\Y4M3_*W>Y]\8^QZ:P\ULH[ISDA$;4]&:356 O]6CK"9] M7T07I/.^R0SXF%D;/6AF\%4,);?

R771I+.;+& H]FU,7[7S=3X6JE-;M_&C M#EEVOV|[@]2]F[G,(R\2'DU,C:F=W^Y'S=FG:DCIR(L[36]1=T!;_I6.@_Z)M MT?G#GM=MRH8J=#?TOFY=SE&\PZF?\C"#L:!]H]9/5%HQU3O6&WW[>7Z#8_CY]&J_J'GVQ;)9C,S-Z5F=FO,WLD#MX9PV-+L#,M76MM8PZ6;KEM"]&15MS60YG9P;IJ5K_B[_G#Y]$_&@B83Z(L)9#$3$ 425\3 MTR"$A. P1CX+_40K->1@Y)EM5D]+S\@7%,N@%RH2P2(,J/2V]/D9M:>8]=,,#?,,I]'26YK=86"F='OB2Z?GY?U0E^5K MM41TE1\]36S9?&DMP0_RL_7>]S']MRM!XG(40^B=4BB")TQC+M_ZNH_KGJ!V<1D]K.P];RL$W/C86]+S^LD'$L[H$>]HO;KO M>R"VCI=[^)+YUO[[?VWD '_#ZTUK-:2EV#P\JI_>Y4)P5>246V07F(TZLSIW MS(M-V#'#MCQ8Y-^8 C>^9W_^7 S,P*FD,UP%& `4>6)@"&IQ0X&[8GP]8 MCN"\+LUOO%GOD_99E'$8QAZ"*!$^S,*$P33-0AY'420X,[EJ-4W.R*;87[*2M%)P5CU'@Z+D${D0V,P>3Y6#J]HK4(C5?1D+.7]Q%$?M1JKB,!#K!? M,?VT^WO?7SA=X[K.1=Y5" HIYW&&@L"HL-[" _]L1X:TYT?Y M*@5P$)^<9:[0#\C[@O9.1 M)*;9%T.;17)5":0GF5+I1,;_/W=ONAPWLJ2)O@K,QFRNRHS1AB6P]?RB)*]& M,Y+(*[']V+'Z08N51')Y^AN!)1-D9@+A@0"HOKV4)#(1[OXAW6-S M_SS(*(G2.&%4PI;8KT7,OKAN!0*I10Z0, O&4ZR#1&X2>O; MD "=,NY44U5'1$"?2%'(S#Q19#-4^/"U^6]8,_-?_<'M#A0+A>P$ D:**<3 M(44TRR@2DF9))G 2Q$;I'&#),R_"M![U8:[P>IH [{3,830\S)H#'."YUE%<-MSKQ& >^O]L]9DL3 YKLZ\3*6N^SA%Q2.@W,P\ #3.%+5TH(6:](=V9.0T2DOL8E/=}G;\O2S$-2(P>!BB9ABA+ MW&,`!"QL[MM=& MY> \>78796.R8-'1'Z)FR@9D"8C4-FS0] M^L6:J?R1;<9LR&L0YYTAF689PGB:(2"$1#9,PB'&<13$VY1$[)63NS)A&;-?T MJR;\5Y*]C\8L2(,(#;N_*[MASFYE,HB),,PF*U:RDX,NQE V9E:?K6STL_!$ M[6^:)/W\9Z%S3[-4,,$1]N,(X90'*N4WT4BY]GP>1 '1EQ!+T;=V=&^;*7 MS;,07]G>@D;M.95L0XZ:ER@,^Y:U;3!GLC0+E+UJ8,:$S.W]6(ME;1^HW_8 M/ORE!7&,*+^2!Z,;R-['Y[XFN+CRM!@]4MKQO#WVM("V+=Z5'D87\M+=>WX M6=HQEN-C>;GT"_Z55[^"?V,_ENMO3RL1^#0.5]OJIGI8;_FG%:DS_0Z?'&#F M;[62B[1@3TM&@:=D:P=NF$Q%]:#7GX*;?^=/ S'N!4XP@/F%F?G>7UH+1UF# MHU9:N=/I41=SL%'#^BXW_F$K)]2>+,KS'W'S0);UPMT*Q7JCC\6;OSQS_%1E/U2BA+)08X8S$B,0.HRA(08YSX@T>%>?^1%3_".F/3ZF.[81RR9 M^C0]SGNR;P?[7IKDWM/@T8PY%$L0A]A'&6HRS&*>(XQ 'C,8XCTWA'K.?1F@!=>$_-Y?C4"@'_R M8LP"PEO##8LL$*3A/'XS0N&*Y&\.%9=E)P1Y -ZP#EEP?<-5T_;S9:LN0KF MWP0KU?+S^7+-(2=0IT>8>^\.I :,'1\4^#&1EA8Z" M]SAR"K&IZP-5W"":>_4+73SX@ZQTQ+@E.&911C%*8AHCG&8"D3+D>!AEO,L M)\P'T1;/J^[AMZI[?=W;XD2O MT[XF .OI[[4&G'G-ZU2_[1DQ;]K&#&#/E^[A4MFW3A.9 7B#])(YI%IV\BHV MY.ZNTD2H-4-,FVC[66E\N14/FI]M0!*:T6*$1:K;8>82$:[^E@&C&ER(%.>P MYETC F<.U"_%;ZZB5@'O+ZV"5^L W+6.8F@6@UTB XNB$T&!M^4RM-15)ZXQM<)XF:S)SZ-BM-5A_K5&TZJF_ MJ%_T%/.V>\W,,U!->Q7#@691@%VLXSK-O'>=;K^IGWDOU/-NEH?9O/W78G#; M-06;&790US G4WT$ILV_F(=QIS T.\[YF9 RXN6;Y58U3DPVU*W8T<;_6M/;0RVJR9-1]W.1,/%1?3A[,9[IV:> M^E.;WX"W+19OQ_ R92:P{3),&X ;=;^8O M?K+5$Q="GV5O:W.7]=TPS314UL_U"FN&TTWSF_;7L[9 M2S4,IF_Z]H"QUOU;6]AEG6MLG7>5\QOSD'XC=^ESP4=+#A;HC8#DZX-'E;7\2!!BUW0VYC?O[*W>G[12_S? MRY+_7:Q61R^1-+1L2RB384)UAQJUGDRR",6,"I21. D9C<,0"PCU[DQZ@N*8 M%6>O1YI+X44O[T=?SZRW]BY!7_"Z_LSK%#\[?7/OE'=X9GS?]H9^5,O_#E?S MIE [NI,W%F=Y&2^:4]>&ENZ&_-RS@<41*:,9ORKO-()9$HEYPCYF;VK6"OEGS6[[&]E^ZT'9")F>[Z 0U* M6[HAD(GI1SH"&3T&7^(V!8(/=]=JJ;RM'M8@$IZC#\|\]23>5L\6#KG'3@L6V MYIV!D.X<-WI\#3S97N!D?-)4IP0[@U99+8Z/C[C8$GG0H/Y">?B#=I/IT=R\ MX]WL;Z,L)93Z"9)AS!'.A*^;;F$DCCM7],JX7'Q6&X*Z(D1!&>SV=+:.$]V(_WI22X(+Y6A;??C?DFBD22QI@#$B+(A5]$ES%6I\ M]1^UDD^96MU3#NI@=U+2W&ED.[E>++7@26\E)M,P"AA,,8.'!TGQX7M68::[2 MHTI*63;+:_P_1RV9NSXYRG.9!$N/0&;FRNZ @/GS20QF.&XSL]&1 M8X\(6)2[5OQ[0R]B>U_RR_4/T30L. RI$)L.I&;HQD- M0Y81A#&7*(<^01F-0^1GOA_+E"=)'I@RGT]19.,8L%?BK.:L ;.D3P)Y.&8L M"1UT\P!##43"[L+D";SMD\0O1O7N J0^.[R3\>R6(M_48%6A4R(U:47O++#N1 M@DM H!(T)FCG$[,5Z3-/%%.NVK$%MM\NZ M?:I-(LM)U,S6(2ZP@,6,'@Q:Y#PG_F-F.>N%>$+,PCT1AXT]I(TX\GG+K41[MKO!-UZ/JJE[WQ>.F7113SA@..$;4"N7'B1\@&E,?\32, <,"B4#)0-=J K+DW M$=TI8M47#=Q!#"'!EN'UP8S]P[]"9_D+J'!N'<>M<[1H&)"V[91@W^6"_8/"(MS69!K$E5E)_*2]AIJMO58IE3M=G'**:QV@OH,SV2^AF2>9SZNBNA$,Q\&W!,MQ.Q^VPF#K.B/(F&R5!]'\PO.SD./7'HSR)]*HWI@EE6>A3T(GY"3DS^UDKI2;9 MX/I$HIIXCVK.JDG@'P3IY!*HSP4)&8H3JD^E4P%HDF<(9S2F.>I'Y DA.4' M.<#**B](UQ.MRDT/(@]Y? $(S989#F"!A;+#:NXSKQ7J;GDQ8I6CI<4I*8LNM*T9,?;VD&/NX=;I?L16?BQ\Z6WZK7G>QJY Y_ R%_$=9?5BIK6]]$L8BY==^ MDJ-0A)H]DC&413S6G1$"(?R4,4I [=/-9<^] *DU0;4]WEZ7KFB-/GNU.EZM MCU53$PC.9OX_$WK Y8U+X&QR!Z$0N,LC-):\=$XA%)(C^87@(9P'GW/&GAZ> M:O*L\X>RVA;_:BBK>!K@1#(?96F/QK;B[WU[)/S9-J.N'MXN? MFH-(W&8A3V4<,)202 6>0"8H$S)'DL7]-X&?8&QT FRKP,RA1UR9:=7 M6Z(E&OE#.1&URP2S8D9+!;M-.E*N&IE4"F14]=9&9UY#6]FP50\YT_,]9+(M%@I'T0@L?M%X9 O.ZXAD/0Z\+]REP8(T=>L],G=P '5QZYLR[-<3K("Y:\<,MYZX=VQ&UK4JW^N,L5K!U1/E^F=;Q7]NF5V^4QV@6H,WYFG\7U8^"BX6_SB&61$)'NAI$@K/Z+PVM@F9GW9"5 MV/P[-+]Z%#.SV=(M#C"'ZP"HI=?E9Y[U\3RO@_=6IX#3?VM1>9SG7HP(7SKLV M!> P]HXX26"W"%'<7]RWQ?;Y%NY]&,GL@X$U[/6UI: M;][OQ-"T@2E8#='XM/K+WI5'!UZFCXFA>;LV);:?MYNU=765[I>E/%]M6^H6 M &V=7I;07-]0(L98C+"(,,H#]9^(XXPS+#,_ -5#G90TL[O657QUV[:>9,NJMQM-HF4W33C" ^:NE^> 9>=0T1Q/Q:3F+SK^CYKZ>=L*>%QIX]W+K5D"^QT5GY"K_'\Q5*4CYK1STP^_@%+$@^=ZD=?M[3]52" ?]Y_MI.U\5C,9U?_Y4_FPFK?KPV&=,,AT4\D[<9MB%IHBC#1#F:+AO(U%H9I6&, M(\JE2,PVMK-J.;/3ME)UFXK$$@8,LN:,5N6OSG>L'#2[\[WLF]*C^,/A_O MXJ7V*-O3LXV[F &+6>=$";JLW"_!#?@ M'795<#2N9;)X68GB;MV<(K/GNJ\UJ1-7?B?%^G.YV;P74GWFAOR\]7W])PE+ M-2N%1)BE&.6Z*U;(0LFX(#B5("Z@.R9HV"KB2=^LGL]>7GO=(G:;]Z=TN-, M]Y@&YH@#0#4+=+#-!!8MI6I3W3@O[[&A]+'0X_<\#89Q\#CZ:. #%^/C7-/)B3FUH&.J,Z;<"$@ZHC@RYV6G7: MH/Z1U<"G+'AX2-K-[O13=W%LVE0!-IVO@?>T@;(8[#4=@ '<1UCC -P<&!KI: M^ ^)6G91;V#TP8+=Y!G+8^GN:NA*-N'TH"K*ZUL3M^EBERP1,52ZFJ0@1C7R, M,,<1(B2D*I(&#0@2DU10T"FS@=`9W7VG@OZ&[Y3P.BU,4@?M\30\&W:,$O"H M=SI \!-;@,6N#F!-1"Y[G@H X>!X%/(L,,>2\]N+GX]EM:W+ILJ5SN'\7=\? MK[7 KI9*]VY]7!6ZKTW';NUG29!%"6)IK(*'2-4:(>4Q2F5.":=Y%*9FN9>6M"LP<2!]5O$ZG.@MYK]6N@K!NKMSJ99BG;0OX<'19 D98I'F-X/DX@N,D7&Z@ MY"6KS\B:HOJWA/2%)G-"ZR"-=B(<3617H]31VD\BOTFBM1UVF>3:B4;ODFZG MC@./ZO\0#V2K(M_Y^_9;GT6Q+X20*!>A1#AC :(Z@(=I'$D_DY(RH^KW8X// M'(T[<>9QX<#Z\?YQ298:.PD>>?O+4+>@6GFX6R*B7:AJF>JFQ!TRH2!\'+P MR&*AXY2R_:!P\C,3F,"[A& 59&J&4\'/=9I_W2M3[3K9JM0U>OL4UIZ.7?QL]AZK4K/GJYBLJ$/ MAT)MMDF<&T!8O#K$KM7'VROD[35RG"7L A.7G.50%9;G,[<$Z2C7N>U8$](4 MW]1.!+K-99XRF8:(YVF*,\SG1D9H#0*TCC4?0PDD+3TN""("UG5]G[?*HQ0 MG<;DL9Y@B]3&0Y0,SY\F6PX\<3J6-+C/[&IZ&&CRD(L1LA"[3,&3EKI,]3L4MLGRNWDE#CR;;G?ZT;;'^N@D6:JAN-U-6WP03Q0]|GGU3OA>Z29/0K1/.I9K M_RE(=;46=1&B"C3?5&AIKE%"3GR!!EDAA=)WK M7K6YKX)[BG|[377&5Z?KF;UIE3^E\YG5:>UIMNULNAR_3 M+":]S2N"Q;&W>#L6- :N@71&=^!,L85I$5P#>DB?X%R"70B_KDI9;'6>SFV:M933'G""19*:#_(,Y81C1"}!@R0(F=2EVN66K,Q"\'L7]-X&?8&QT FKF

M2@46H+.+V36>.=Q]+M=W2#WWT"[[T-]HL&_W-;$P9\N%_?7;.M*2G>\"@SQV0E7"Cl^O:F M4\#[0]K_%-N&YT)GYZ[O# ^L#39#]]NX8#%14,D'#;\-+?6BE1O9.C%"/;_M3.R3[1D^_7/83;6]_:Y>'*F*\H_UYE$P%3@$;P]-.0U\'@8Q2@03" LIU%]- M!"@C(>%1AC.<^B8./2AE]OOQ1B[PG'D8F&&'=68NS%?-+35V1B-+AM8&:H#> MND#]:^^-PV,OXHA&YG4^:/9A^'Rl-G+%CX(_D=7YSV)C.C^^?&K^(YE6V+^;MSWFO[!J?X^Q-_I^[M*\Ol0D1^ROQI6WF]1>#;78I'3V;> MEF#FIKPA/_]1;.\U Y5:='PJ=_D5@O?9DVZC@&'A\QA%.25];DHSE.4L1U+$ M28AY6'..NZ'&T !C;U*1E_8ERP0-Q;3F9:]\?[6"HD5]SK^I&VI4T5134#8 MXXW566%-7Q*/Z+Z!P).%*6_([,Q@;L#M9E(M#]4"O9:8LT_(?N9U9 (U5Z]NMSMC3MU?2[;#X0CI,KNIP)FBR;$G.=,@,JG,<##E;96%[\,_|)*9^'*(\1.$ M_82B3/H^\GF:AVDB(Q&"&+.,)<^!ADK@6MKWRXM4LG,P36,:7-!HM@==_9 MUUUFKTEE=,DT1VG@+-?"YG)_M6+ X2MC^ "V/!,_Q/I)?!-Z"Z.BU[6HU(3V MH%FF]Y.8SN-G.M05#^HC5_*[^NE&$J9_US2+#6Y$$F144(IXCC'".6>($A&B MA,0\Y83&40;*'W&EV-S))GNU^I0W-4\7:U=E5"W':L4*?2&P_TVM-)3*P-'K M,@MC;_$28%&NU5!?U+0Z>OU7LM?RS.OT]!I%]:JXKVI]@#E$LV'!M^_6/6<< M#8[46IC7P2V8AUP0CL>W3_C7K%#/ND8O#V1"@CA"092F"&>^7LCA'/EI3/), M|QM&;36<3\|Q"DM:QH;8>#;[!<@A*'(_"R/41[D(<*)VNOG1"0H2EG"941Q M$H>0CJ.V$%AW%RVO$2A==& M'2M+./B,90?? X"Y&($]FI!@DB(L.(A'&61B)-MB001-QP7LUBBC!9[YFG!EL4#)V R\[+IQL/AK;;[!FHWO-'NH%FNVNL>%)L M4]U!0P];Z0Y_&G[;>EV5_(EMKZKOHO1,%%?ZOA1R#G+1Q7/O@QJ1=1Y4*W7L:L4,EV&/=&$MS!BPB]VP#AG5OUP=_!PP0UX4MQ?K;;%]/N=>FG[=;P'XI MUJ7.;NI*:?1)5D_B%M.<1W'JH]PG!.%("I335'-I1SDCMPF=Y:E3F I0[LSMK;>*A/JY?EVND7MU6#;72YU5%5RM?[33R?FB5-(F]^.ET M[G(I/4:JJL[6JW\'6Q6;8I^H]0E/F(_"/$\0YL)'-(LYRD@2X"0(IP\29AFM0-^2F_B_ _YFVY09.(7%9IU7W .PT^.L31G5N.UU\?X":AST'?"=U70K,IH$5/.24#]7,SS)$4WC&!$_#]{\$(1R M(\ZT(2%S'TET7:ZWI;?M!'LK+1G>"_PH)']D".S@6<3G<4WI;>3Z7UV9#&\ MU_D4RR=V-@<@8-7#_)1I!AW+#QY=O#_Y*>6/=2,_^=G)[W'&\KM9[DL#Y,X MS (D9.YKKNE$11^2(=\70F*<))B#2)+,1<^]*CAL 7FL Z+]BL$<8\.5D"S(M-5<8[D":]6L4QP6_%IV@(R "1HND(+J:BZK.FSM?D]7SINCU136L ML#GU_-Q'NE55KD7Y5)>B[[M%=VJ8U]^T<_:S?)7'=USRP"]V74UR"63<8XSI+87(<(TR%%.&4', M)VJCGW/)LAAVU3=;J(:RJ&X_/P?/#!,_X2N1EFM;3M$K.9RH*C%9G@["/KSON4(=JL!G3AUN=;M|O3*_D.I%OG55A.=?M^JP6L* MBYNJN+L3U2U-PTAF;:"7!QG")$Y1'@A] 2"S0.AK-BEKKGHV2,/%KW1WO-8 MLZ:*]8>+UJC-XZ4T9GG)8J)4'&$ M0JJ1GLQ^LRAHI5EF=C\$@V#N;9QH:!'?>H 8Y\ M\^78B[K?4;-=>]CQ#]DYT5>QW7>8//!BI7.A+DIFZXFM1GV4Q7F DI=@JF,TQQ49S!9MW8]4%%1+KE.#>;%ZTK6&:['U5DKU_1P//".8_DK,8L"B0,/BAE+M57O;G7[Z;K?M MNM17<=>4:;_K+,<4SD!S%*NFZ[-H?',&W^N8Z&Y@RR*L'L7FFO?E-;<=.]_DM+/$S(BD*PYCH_0Y#-& 2"4%Q0'"O;3T<^7Y^\O/U_>7%Y\/_.^ M77R\N/AR_O[SA??UZBOZ7'R[^'[CG7_]Z%W\OW]< MWOP36,IE"K99()P#0%B\Z_,(Z[FDO>Z<(X!!C755!&8]=MFR," 8!X5BT.?A M^5K'F85ZQ%0]I-6T5+PI&-;9F4W"CI0AIREC*,U#%6IPQA)U$*-1XDOHC@AML3#.Z+)78^[4B[JVB]:T7:Q_9$GZW%U%IUUW<5/G:@_S=;E\%<.!:#F 86&I M3XGV\CBXC^U.L>Z"R/MS46S-L]26P=QW7>8//!BI7.A+DIFZXFM1GV4Q7F DI=@JF,TQQ49S!9MW8]4%%1+KE.#>;%ZTK6&:['U5DKU_1P//".8_DK,8L"B0,/BAE+M57O;G7[Z;K?M MNM17<=>4:;_K+,<4SD!S%*NFZ[-H?',&W^N8Z&Y@RR*L'L7FFO?E-;<=.]_DM+/$S(BD*PYCH_0Y#-& 2"4%Q0'"O;3T<^7Y^\O/U_>7%Y\/_.^ M77R\N/AR_O[SA??UZBOZ7'R[^'[CG7_]Z%W\OW]< MWOP36,IE"K99()P#0%B\Z_,(Z[FDO>Z<(X!!C755!&8]=MFR," 8!X5BT.?A M^5K'F85ZQ%0]I-6T5+PI&-;9F4W"CI0AIREC*,U#%6IPQA)U$*-1XDOHC@AML3#.Z+)78^[4B[JVB]:T7:Q_9$GZW%U%IUUW<5/G:@_S=;E\%<.!:#F 86&I M3XGV\CBXC^U.L>Z"R/MS46S-L]26P=QW7>8//!BI7.A+DIFZXFM1GV4Q7F DI=@JF,TQQ49S!9MW8]4%%1+KE.#>;%ZTK6&:['U5DKU_1P//".8_DK,8L"B0,/BAE+M57O;G7[Z;K?M MNM17<=>4:;_K+,<4SD!S%*NFZ[-H?',&W^N8Z&Y@RR*L'L7FFO?E-;<=.]_DM+/$S(BD*PYCH_0Y#-& 2"4%Q0'"O;3T<^7Y^\O/U_>7%Y\/_.^ M77R\N/AR_O[SA??UZBOZ7'R[^'[CG7_]Z%W\OW]< MWOP36,IE"K99()P#0%B\Z_,(Z[FDO>Z<(X!!C755!&8]=MFR," 8!X5BT.?A M^5K'F85ZQ%0]I-6T5+PI&-;9F4W"CI0AIREC*,U#%6IPQA)U$*-1XDOHC@A

JBGFYH^FN_-WW,DG:#W0O^M!)-D\,C)%@UR<P'"$N1H8QE#%&2I2$)LY!(4+&6F=B93QXZ)7K5T(>T=RWM#+1_MBQFL9J'!/5BP"'$*FU%HX!0:($M=<6>8"5V6-_,$Q %;!NQI6.385-O;\P=1 M%8QLV@3?R,9YBO(\$DC%C$0P%3=",RKLPZ'GOF%HA9DY]Q'+ MAQUXFCW
JX!6CD.NA=/J#WF>>JKG=>I?>X\[,N B7G7:D,YS!CYAS4Q<";(1 M'T7SY^5ZMW[_0!X+M2_<9=@%?B1\(7(4IE&$<"YBE"=^B"(9Y"3R_93Q'-K=
MR%3X[&ON#_?Z,G2C>47V^V#"ZL-A;*HC %.SB74>G&!^Y^G@O>NT^$V#M=]1 MMYK,U148"([AEQ3P4L3W (!,<)/"QT!?M%_+H;_?
58B]V8GS"B?SE^ZB-,>H9U"3?_M5SQ?/#RNRFW6.1Q+D6 @M3WU53,0T1"R5&:R9R$)$[2 MV(A6,SOF/JE4=%I,ZDQE#.^PZRX(FHM+NWU"H-
+,VZGF=;IIGNM]=N R M $_J^C4T"X;?CD"?&JK+RA,L"Y?QJ._98,O* 0CO;W PTW+(=COQE#?'(UU?
M@,WE9O,D^%6E_]0G))UB=1IG^]O;W$^RB#*!6*ZW:R3EB$0Q1{G,DSS$*8D# M$+&<&
[5FGC)[T>JKHB>-32W6>Z=V*NTW(5#W52[UM1]XH<;S!SG>4Q4ZDW2,MP >2]+P]'HEDD;VWM1 M[16XEYM@(H?
8M]:Y5K_H.X/47_JNE3{7K%545VO"-Z+M9#%]EIYP^:<_\=3 MH_JIQ[9*0%-)YGIC9G%X[=|_7:1+5H5[X7&WKM&Y]\\K?69]U$IIC/K
M6Q4]K>.91Z3R0IW:MR*;32$+UAX.['3O/J+4=Y@M,R^^KG)N9M)RV:$^ MR/^96=S4_(%SQJJG%_F
K_K0Y'Z0,;%"NEH\$X2Q2%'6T0A)$ODL]4D4!MPN MAV!,]0Y!*TJ1AFY4P$UB[CSP 0+HB,(S=+;Q]Y^YWD%HX+?*+? %)#3^07& M(\#/<;NLXQO!
[M?EJKQL;N_<@TC&+ HXRDBH-N!!G*@-.(E1S&*69(F4:9Z9 M'M*>$C)WWD&7T;_=R34_(#P)S/CQJ@MS89Z_LW0OTH)E[J3)Y@>>+DRW.\T|
M\K(=)FF8V#9P!'GRT<7.%\>4[Q\>CGYV2AO[^JIU@LFS:15UW+_+#9*K%J6 M9&E.6!)CA#,_1R1F'"4LYU+X41B 5FU#,B:^PROR>_=B?8ZV=Y?
6CHPPW$(M,[.%B2,D@"N1G?5J*=(BTDD^\|Z357W*,0*(92OC05.=MAX^+ND-6@4/FGR|
MM>_P(W8.KC/_/ZL=4].H=#//^^7=1WE7D\;Y@YSI+X]7"6BTNB{J2!%&IZXX(M9>IOTD=I++K*4D"S)&(B;#B9^P=U*71%1:|;5&M)G;Z^<5VL'BPM
J,U"Q7P MPJ"$"5ZS[F;LD' 47(#"%XTW=L"\#D&6H]A4%3=N]9$+PN@7Y=[(2YVO^A6CR M[^VSVEG(,5*2_M45OJ7WP73O&UT3@348[# !&?
QPA+@A%-::P/R#D-,0T9 M!Q5C6.HQ=YQ2PC9UR?-#HXP^**BO'\MJVY1Q%?N,=EB0LD7>+%HM@"=IM/"VUQK532J/Z4="MM]?ES-OIB619(?
V,NR V$2!'TW MJ<,Y3"B:A9+NWU:N=3F'6#,5VO=-V_:; M,D:X"$*FC[NHVO]RG"#*I%I@YC$C<2A)E!F=L-N)GSD,]Y1INA+VU0$V:X3! M:K9ZG
\L6% >Q*G7KM$QH> T&%PU<(0)7[:+HQ4P!ZT<[4:QI1]AV_VH^\+' MV(\DCB*4Q31"6# 59D+&D*"^%)Q%01H:+?6&Q;S')& "QP+'C
"ZAIY(&&!6;Y<>[5 ^*3^$@OS>=O:0OC4W!GG M\'IYU!*L^O+\1>?0(^:=VR.//Y!>,7N%T%]?]77HX;5NKU'YCZ9:"09EN, M-F?8/298
G.*5HBSN]L3BEM5WO;'6:S]]HCR_8K;8[^VS '5'M)4$WRL6Y=> MBZHH>=T3_#A+_BTEN?#3F")) XEPDDJ4<4Q1F.%28/WB\)8#$I@4"D?8;-
*:%S>8 S=5*6VMTYE7ZW!VO"7'OLE"ET3_J;RD M*+;J"^TP<]0:'%<9I'%ELTDM0;H(*/4?B3+F*4'O:X*)FXQXRD168CRE*M8 M%*0YRD(>(1D&
(H_2-)#8]!_HX=!SQQ@MR'O4DNIJ3%ZN5J3:>(_*'^K*3&!A M9@\3P^AA9:E%5/!J{0X]^T!Q5QZ['WA93SPPZ,###C\!7\6J*'M7KH4FB_XA
MJN>/3^^F;.EHK^3%6I;J'=9M;LPY:0!#SNQ.K29>IXK'GX2W+3M*XYHE^)IZ)MQ@SND8,M#:W (J[4{1,YB:WL+X_MK?YO'I]:''2E7WKQ_
M@VKH43E:AO@\;\$1\>,$84X$RF,"=3L;%H5)1%,RI:K&S!28>\[N95\>J_W? MG.F4PMX/IO+/&L)n..'/""9P6> 7&8J_HR(S&#BG2\V XP S ME41Q>
['>%MOGBP=1W:D-R.]5^??V7N\XR/KY-B4L3+D(4,QE@+ @4D6ES$=< M"!RJN,0%_O8N,ODO)@9M\MO,?PX/)GP0{E6ZY5MH1S]NFIY\>NC@T^D
MJ.K#@ML49S0G$4>^]#'"21IAB9A3?Q@3-O0]JQ'H[N=:),R>1,MS2.+ ?N'6Q,1V^.QFQ MR]4NY)2897<;(\8>["K&/F^[>_B@1JW(ZG+-Q<__*YYO
Y9DF2 4\2!5WNK[M:M] !$%^D-%$)C3CN1FA\"D)R^P86J%>+573KT+W"]JQ,=TE3+#6:G[@;JC% MSN"$,1/V!*]'7'@W<,*@PWW
J0_:5G/KO/DN8_7Y(WD@=V+SO7RZN]\V"[B< M4A8)'J" 4JDF25\@$M!0]Y&D<2A80'Q@_?>(O)G=\'.Q+>Z:_ $"N'4P!\QL MKG0*
\P_M>A>"OKSF=='=]OKQ9ZX6N6!;G=56C\E;R]:K&S!28>\[N95\>J_W? MG.F4PMX/IO+/&L)n..'/""9P6> 7&8J_HR(S&#BG2\V XP S ME41Q>
[']

4NQZ:X-,(SR'-MKJ:DHRDY\M*507W[#H(B=5,#(1RW0W;! \'C&,>NN@A:]E>>-3!R+=!1^,/&(M92;9;_IFY .M=O/90'EDQZ]/[#+LA@DB6NJ-I^8 .1: N60G)#>('EPN-#!N M4.>1[83L35-TF$!V7B+[]+$3:\Z,/'9>]*/4L8%'[3:AKA7,>|VK[I#3G#S* M_VQ/N#
[QLB3T!!99SI6[S]06Y>4,BX0G),B('U"C9!5#>A,KY;9QTQYYI.G# M!]XQV,SV,X=@P)1U (<)
(@*&8CK;#\>HS;I'&HI^N&^:ON9D+"&TROCY=6U&ZK>@?&Q+ ^3ZDRFSFA\1-MJ^H+P
M/FM=+Z9?],0.8%S[$M#-3,1,4,*L2(/B'E===UZ;FHOL*L9HW=,3<=G2 8M#Q MW,#+4'(Y5]"2D_GG#EX&V5F/N:;N2K[?E)5>>I'$H1=)X6,_"04F
MN?H?1O,<>R0BA 8D#)7/#4_2.4-NGJR&8&ZA(L+/0$1OK==/+6I&JCXKXUW!F1''>$.Z3R)HW@SHAZKO_;N<=M
MM9=5IT;6A4Q*&80<2ZY\$Y+F&.]9!)BM,IQZ/L?2(B'R21CDS&M,W M2&5BM>P31'\T) WODH?!&=9/9R(#KV)
TAJKI9$T0TJI%N@II/JWG3(.KSV+ M*AJ)URFBV6'+%YO\X]%[5WOM/SSOVY;=>QF1_5U$\X9JYASE1$)PL+H),2(PV[4(1-S^'0GH/=NB
MQ6LAU&^FO%-N)%W]?\OG]QLA%VGJ9 03ZODXC2.&91*%02+B/$V, MID@.DYEX=VEK^UK*5ZBAC11QI*E#*QE/
C6L\^[$AVFZK>06Y8U#@EU0Y'AR MV9E+'8=$.RYX"S:[DQVKUZ[S7M=_Z[_7)8+Y=YE,I(<)YGN7Y5Z$9@ES MR";K#/$EEZIO+S4JQL-
$W03]DQ2IA7;34__N9;U#,PQ/?\,.620S]?K!WZD+1_M=1=Y\+.(D)Q&. E3I?VY'M3!8X8#0P+FT902 9K@-41LG M&X3*3*]=
0!5[QY5O4%KNNB/]I^3A&U,!'65M#![$:MZ,!0.AC](53-ZQS%7@ MCU*\Z-+%;[*LBA=>O12Z0]U:?)/U,, ZFMNDMX%V8^3 MG7\,&!830L_A4PNI
U33^KM-@>5^$)+,Y^J8K3.'"?5PFM$8BS!,PY1G<6QV MZCY+86)UV])L.YH;1K_.XC$2^'(A)4S'#@4'7A._._O>/*&
[,;:W4;O1!^W<^UX<0,_D^[I9T]W? MW*L_E4V]W;:?;>R1(%?>/15$IT:I8SW5HAQG/!=I*(0O60)Q\8'T_P<$^4!W MPK:?
P>P(,"&X\X<&G=T^7XB.H[,#E/JLYP=+: [/$+:;+P"\&VU;>KW[ ]I>5 M.B.3* NYR&+L^SJ%,TMRS 3-<4ASG@9IZA'?J+WBJ<4G-D(U#1UH\(-?V*]=
M._CS RG'P1CQ?"X4$68*H_*!+OC.B6%UK7>TV&R7>>?$Z%_AG7W&.H* 7^CT M]E5?%-1'4S^D<4!##P=<_0\A'L$9DQ0+F<6!3#GW8'O^
WIX_>'U7::LM7- MW!!BQG%\%SB P_@V$-C$[L>$"Z/TMI[LC]F,@G O>CK]@J]-/39EWW-&I MUGF2>WE&B/+"A+];@IZA*'(/"N/,]#93U X-
_;?]8%#^J_ M^F%X%;5)[7W]A=^UC8) ^']>UA*%WA72/[/ZOW^0O/9.4.C7?QM>(;62[DRB MW-*5X;9\]JN86@I[I*'FH8;X>P/Q[PVN-S5J+FW#;7&
<&82#Y6>V J>%.U;] M,\]95D-L$^UN\WY:9#]:7T_38+24HFN&#*P\OHS(=+_:FB9^IXFBKA-Y_U0Y M1;6R&RQO5?G73W3
M]['U69X3*0&C"U)G49VH'SD(2C MW#$"W!O-0.2I!,68AXQ'Q/!4YPE.<7]:VE"\(($$:##B&L(:8XEW)[I2X6&MSP]+&&IILV7ON>?6Q:*;
MU2OTU+'>_$6ISD<=|^8WF1-|UY&PYYM_+7L?=Z_NJ>_HOGM%)WWAYD-MN>XN MG+_]-3Z4^7WUVWXPN\ON-_IPH*OSZ7 =N'>?@.ALE_;3
=:_\9^0BL7.2U_$ M\KJ@;$G7-VOQHDY.2[JZ6?^0S;B*4O-(UZ_M%77DR3SQ)<-9$*6Z*B_'&94) MSF.>>C(.N.<;=8>"DYYZQ[3,H)8;M&,']?A!+4,
LPI#UV!OFPPSX+X%@,LB M PJ(&V"KF0P_RVW$Q<\.MBE8(3!D\&$+SF?,K03=,]1Y*\ 3IM_KA]NU]]T
MZ]G;_/:E*D6=D_VW]8^R$A__JW]]_JGL_6_%NA(WZ[NB^$?1!0P9IE5;$YC8 MZOY#T@+KVG*L_X3>/^HM4(^;[/5YUET"U)FS>NWX?
J3[\%!)O:BG4']#V;J#5_V/88M^&R? Z;9_T*#COA.H'3*AO= MGNIL.>L7]//;+|\.?MN8#=K7:FB[>W[C?H.%=62K>2]^FSEXV8E[@NJ?V(?
MZ&NY$&&&!WDF/=211U=!$0A&% M=Q$S1]/P\G JC& FK&D$O.7C"O4XN4(I\%IFT(5_+S\(9494YO7@Z9S70^M_;QMKY3G6<:%D#AFW,,D
M\U),N2Y!K(P)T8F-2\,"KGE .R90PX59XR5[0.T,C6N88/;% M!4)@LP(1V9$U,2(YJQ&!@'!H.T#O6HZ;HLMUJ9L:R_)V_?'/2AFBEV7YJ&W5
M;:¥MUR)D-"0)23$CG& 2DTQWRI-XBM(HCCT_SGAB.1Q\D+"1,ES<@;B>:+U9 M(Z$W8+G'!GS.]S"0:1!
[<1[$.*!>B(F(&:8^2[#THSP.$LYY'$(,KQL$+^@Z MV4*WCYH^:6DP7:-G9F6=8@(SL0>ST3\>H?)A"!6K4>A&DC]<@CY,;_8!Z$;B
MGY!];O:BG4']#V;J#5_V/88M^&R? Z;9_T*#COA.H'3*AO= MGNIL.>L7]//;+|\.?MN8#=K7:FB[>W[C?H.%=62K>2]^FSEXV8E[@NJ?V(?
I+P8(S,4\^5K[:_"R1_IHH[WA!=,N,8;>" M"Z VLR+3P@_A%,X26ZU_1EB>T8VJ2S%)[3!P9(L&9K5(.M]@ =FJ@+5H+'[O]1?%R+-C)V&
E[_Z,0_R@.XV6PT+WM^G-$[N5:F,:(W^OX MLOIC'6&NW(7]K>$?C]3/@;Q%H'XRT!U'YB^%$RHP;TUTMKC\I,#TP_(7KP7/
M%]D/QVUC<'>RT"5O]$'JB-2/ZOS39EN9)$%90#¥NU.0"\,'"_ M _-N#\R:)U0SU?V7B:$TSRJ9&E*[W)))H 7EFER"RT#&B=6RL^6=7")T/_OD
MHG5L#'LSSNGO=8IX]?I-_I#K%[F(TB3UB1?A5"29.EP'/LX8]7$D!/5#+G*/ M&UV]#M"8V#R_HZMZ)AR?¥A\6*
[7VO%!/WMEDI<,0(IT.83BD']^GV=81$RJ MW8UDF'JAP*&4U.=1(IB7FH4?'&%D%5_HH50]2]2]3(<8F6Q+%\L-W7G:>7D=
M1=22O%Q:R,YQL=2VFT,K_<]. ^J(A_:^N3/^@8((6_?2:,QKP0=;W;?3PHW8A MT-]IL=0M6&_4.4Y]PNIC/=CAZZ92IOZ)%J_OY%KF2[Y4?
^P:N.4\]C.:X3!. ME G*"<,98GR.!.O3W'@,ZK[4(68A2S%7D 3$:,&-V 9!@H^4" 4?VZR)69C5E+D]M&I.UK0S<%^6ZXUNR]<9U%.C
M>!G+TRA4YV0>1$2Y8,J89;DZ#U(A$WT.E#',!3.@.;&Y^B:%E$ ^UT_!UL\;O M-^M*+;72I^>.*9B],H'1S"PY!@=XHZQTX 06TP\\!DCMR.*84)S5L
@.+0? MD%=MJQ6>"ZG40T-QGA$]+8_E.$NC% M"$GT- MX84^L#;A+*V)S4*?]\A6B/<+UEDPV+V3]:VTB&Q(*Z,T+-!]P"$PS(^$((FA4
MJ8^.^K>5W$+3YT"?N];/Q4:\U,V27=8BC$KMK/+@/*69ZPQ&13ZN*AA_QF4F\&!"8,>S(Z5O%IA/*%:I)NC-W@QC¥ M,G2G:;,[G1 MK2X^K7?
G=,/LU3.O3ZVZX]\O38L.=+]!=Q]O]UIT7:%/FTVUWE2&*CT$P[_2 M.T(IK:FPCL.4AC(:I71>6[-V1(V1X3]YV../6]A?C]G]_[IX:D#%G % M/+? U"JHZ:+
[Y9,.D7WY>G?3"X\!U.ZL^ :*YT)RH.H-"#V%NHU):*=P9U>= M3^7&!-M3NM&'+8/^FQ]U-[Z,]7>=+:^(7* %QS\KN192W#61FR[OXW '_J;.
M>)\VA>9L$<>$^'D8(N!MSP-;'^MQR@6[9: M/C31P3\T==22!UYUNOH8AM<+\T,,,S0=@]H?[UBL0XP=DZCEI6PQ%7\]Y\N(7RZ';$\?)V-K<>G'+
[K,U%-\J84(\% M <=1X$E,(LHP4Q83!ZD(6@P.D1A8GM8$T;/6]"P'9-QV"86:^+1 0& M^)K*LX;8!!EC9T5O9
F.UY]5I\^*=ZB=YQ^$Z5E95(O;GVOU,WYI,HLL M]7E,I(O5$G8$E,0R^E0>:'-#"ZF3RQ[L2ZM:4&S)\ZA<*P:ETH&TRI M &(9*]2 $.JI%
[KJ9'ZMYT*G5IQ%N49$*53FZ%'+,[@#P_5W;I"C]MC[H3J[+NC7]-C)4HN^R^*'KO?0()Y8?
F[1^4[E(V+M'RDA"8T3FB&,YI'C/*@]@CF467K;,$C7ZV%W?7ZE-$\D\=Q07>0YU'S,R9 MO P ,[WM47$X&'Y,$%DSHN;)ZE[1EW_H,N5
MOI&ZW_0F9>]R5J4;32*#)!G+1*+]3Y)BPI4=9%1*[,LT"S/*?<6&+AKHD3B/K<'9QLH#G1OLEJ&8NY"YNGYVM> MO=#5ZO6.+L7OY6WU*
(LODNXGI9M.63':;F* ?W\;5R6C]\J$ZV,+M>*U7?=3*#Q=S "T^[=2*]NRZJ9.U%)H^Y]^C+W]Z8MWT$< M/_,J&X[N^.X#8*: PE7>(}>, H#5(5IL]G-
ILV[XU$'T'P'X1RR!C/2!@X4<1 MB867X#)0TSBB.(T\U,L D_Y!2*-N9]#MO]FV5FV?%]3 @8*&ZD-HX)@68 A MP&$!X,&_/7Y=1?J;1><-Z^T)K
A6Z[K$Y(N^U96 MMIF]4R[5.O5?=V[JYY"]PSIZU?YL*F;@KJ[NFG8(A7"8[HO6A[G7"E0S'$] M](^U^OA2I!
[UC+M^NF1LXJV^1P_HXQ;U/\K=6WX4\]9P;_5Q[/K)S?R10+WHID!RH(&=4W*S=;V; J1^ M](Q)UG<^Y]U_\?
6QN6_]*Q^L[G_*U0_Y1?'[6"YXZD5![K@N3!?%TL[T(4Q\[M.,ID0DC*2)P'C@; &; S=1;)B1MHE&*=8+:;#D%KW,TKI#0AKAV67;K!9_H!=";,_%5&TP&
PRM@ZQU-M1M_MMF(I!UM&YSI,KOFY58),3W9:3<^2!-U'DXE!',F/I3GF21C%@6 MR 34X.H\J8E-6AL6UWE?79-^F-4: ,G.
(KD1'7KKU/>Z> ^2.ONJ_JH.D M3DBS;K/2YW$4P*;N\SV KOE#^Q?_.R'T M1+C^9T!.FS1&HE#AM[8OR?AN)],V"JJ/K6WT%5\4U<[$];\W.
MS! C]!1H;OJS1)%;JQ1(GOAIYN,\YX%NDY;A-. 22YGYL2_3)&=&/N9%7$Q]MHA9BJ:DJ_2Y-30SA(FGC G_A0/
,\1ZYPCL_@^(XKYQP';*Z.S_@%"LT[BK MDR!KN_64]YMKKG:>0MX5&V7GU.KJ%U?IXG+UM\]/=:)=E =^$@B<^J')(PC
MS!C+,"9<(37>V.V7'"G+B13NW7\<#,_9WZ^T>U%Y?U.*66C?K\+3L> M8$<$ +!F3YCL*Q.?,>#SN)ON4 =&\IX:$:NF@87HZ"!W6NX_(X<9
#A65U< M.""'3JK%"G96IO9A>RF)NC=[FZ.:Q"$14@J<>9FR*M+W,0UDAO/$CV@>",+3 M$-9.]CPQB&)8]91M#IS6*;P#,)G9"#>BPVQ"(_-
>8N^.K#OU'Q?-D;H/$)I5 MO<<%/E1G@S?@I\1ORX?'ZC;_6]E<;MRRBBI'1=RL/_ZI-DSEGGS:%)]U>YFM M7[)(?
>GY>L*9E#3"A$H/I]R7.,WRC'EQX@NUMN'Q$$Y^XG-A3;R]2T6;EAT=_M3I(M0_6UZUK^1*OZ2; QL 1]_,@X+90PHU'S@CYU MA1K$MTQ-
BJ+Y\7]:-.W.A5.@"CH1VH,R_+S:K^J=WF_[%YDN]U5^+B]3/]>?U4F=9R0->=V$ZW[.S2 MUL1+77R\94D?]#13J.4**;;N=!;'\0P4*S2'[?
340,*L]#08@FHT:,&P*M$ M$YNM0L.6AGZ!AO4:MN,FZR&[WZ3NZ[1>UU;>WEH;5)CI9E[CM$?FF=4,PV>7^GL0Y[=8M_F\P =V)F_MC,5 3-
<@.AN/Z8RQF8=EN@;T>'2FU=G=0W!UAEW$F4>R MG">8!GZ&B:=M,0UCG'E>(I* D#0,8&Z 6J3!^QZM.NX->]31[]\U0,8_!B8 M'30$GYD%=
0)S*0=8K%'UF7BX:ALSC(/SU.:.?5P5.3CW,/Q5^:!GO_M"7!?% MO2R>VCM&791M>L [^?+42< [;G4!N?G!]+2HXZ>OBZ6$*=U]085V"OIY;L9"
M@TY2@X)9'9=.KSC;F6A0H/[!9_A!BY#X=N+R_HSA;F1MD\+UK3?/($NX[WOJ M[!+27&(B_!PSPA(<^C*741 3WS>NL053G_R,TI_?
7+D@&BNGW$T=5]]V\+EJKIB:PT*/X:XIGT#*?]GR7#_5 MY[KN^%F>$)=R^TW-#F9OIJ6 @?NW^$CPBM8IP'15X.J4MWGK7:>]:C\=1(B
M4Q8Q["WGA4NQN^N/,AX'<1YB*HAN?$-2G"8RP5SF:9X(%]? M+L%XGI(CQ?^"10 G +"K>CB[FMUYX(-DU:[&3E'Z(8M* M=W"X5]^GU'W+
[Z3Z(:I?Z8.\S>MFYG?%DLO[8OGP((L%D8':,)B/_=CW,$F2 M#*?]CYBF-/=RR8GZ!^0$<"$_$V\B.]KZ\I+7W-63>IXU#S"O_5+DS?ST&?&$ M[1F:L5Z-
N MEK6TC=MAV+=YOWCYFUSINBK=%:.\]ETN=[,% IH3SOU<.=(DT!U9&::$$RQ9 MEB89#VDH$I!MO(R?B6UCC?Z)S@5
JW@AYH96<3XD85;Q9%N'WHV8V_$.CN%P M9?@NY&9>P^<&NB/#YVC9J>[T[M5/LFP2)GM#"AH,Y43)6U MP[GT_3!GH6!O[/9Z[S0C4U_&
[X@BNJ/J^A[J#,BN[O0NA\[U]5[7NT;Y?SV$ MKV=\V/6EW^5(3W7_9X_X!#>#PS!=?$EX9OF_V'WA, CP]\.1]2Y*:?^DY/OX MIZ*V[JOW:NG-
DQYRJQ;W#P4|/EQR:\+2AS:UD/C:42)'PBU*>1JC^!! MBM/8"W#*HXQG22A\+[/(8;29J6]/F#]*\;*]#ZXME[UUXXE];)S^P)+=YY%:XW/]>+
(,IR7QLTFJ:)+L]A.&5)@!-? MQ-+CB3KTIT;N[WD:$YNLABIJR5XA35C!@C1I0^=K)\1S]6-U#"S8B6PN>|S M+M)
PJEZN!%_]8>=V@^M.8\O,R[4UDTO>!1^1/WMA>K6?YMB5PQ2:NU?ZU"'\ MSFY=T#P421H%_XC?
2LA]"A$]:]29C3/1$!B)DS/H:/4)E;)+7VTV3%PA63'-M E)K/ID?C,;!&S]?.H4$IJ\[-&[[:&RIUSGC+M$P/PLZ1<7NP'<9.J CG;&T M
^>\V\35.YP9BJ,_@9F_9-D>NSU W.:Z5OEAO?0*6Z$^E4L\Z44;<)1T[!* M["<>]?^F?C[BP/V/4Y\%F3IKB3R,,2&2X2Q2S
O(E&6B2B0(:A\V#%_LQ[' M.G[1CN$N0[!C^2A5L.4:V"+;\4Z%XD+DG>*=#I5?,T6"\FJ19DPPJDOY!P,U-4=XC E/8",, *;":C(V4>(3:K8IL)?
JCDAF]=T"W M]KG.GM6+\\V3W,XBJO9!2/PT3CGVO43MNE$88)IR@GV2)SZ30<9\#E'X87(3 M*WS3@7:]6>--QP%:UBR@7[I9B, .'B/HF:F\.TQ@*M_
L26,;EHH6M]_7B%% MWG%CWE$Q73;G/4]L_@:]HX*?;-([_I.=UE^OZN\EQ>GQ,RV=1:HV^TPI.J9<
MMR/P(N5SIRS'/(EBX8DPY8E1G!A&=I9$3%;G$/+^"*G6!, L@"&29I; /3[M8, -P>F73HFP((K!1@$GLR#@8$IW52," .#06P+F& 2>T(=!=
(0QUF6$R)IGK-X4>G9G(9'@?]{(!.PI6'NL,H*K1091*NJ M6+*7JHZ,51L42D#?2TM6=1HK>;XKG36&1HKT/$^=Y]OXOPCQ(4DR"),24T@B'
MD3I!!9XDU >E\]C#9'% ,H3I7R\!*&1Y%.22XMP+-4 BP"PG%),P3!,69T%* M.:Q/G@#5$5IWA9OPM&9X@;<4'"AAEM?48-:5?T?4! '?
4[62'DX*Y.B7NK3WO MH?"46$=GP),/\31VJ]N([4V]#AX;=W3KOS6QU3G1Z>S?(.W<]@0<5IG+9(/I MRZD&;JXBH^?EL.S7MK?
4C(W;3HFPWZ'MY!-P/;C[\7QP;VBH"DKS;8T9P7IZ\WY MA^R. GH7VNLU6J^^" (I(;&.*J P)4O)T*)3SD010F,2C%Z0R=B55T
MV^2E1];J/OT<3&9*ZD!XF);:R U6TQ&!.GI.2JS*NJ(J(>:.O8XW W]^%_5
MZ_7/0I37XI_EQS_YZN%WNOKV7%3B9OW]Y>FI>-5AO+):W!/5%_G$9&'JI\)7 MGEAGV];T]>SZLE]"J;/*?/52'X[]3G'HFWS>%%4S+:\?
QH1ZNQ;HCKO#TP(+ MLP>6F%:/\@2NZ(^&74<.MCU.5AZX!;G97'1[*%/H^_ 6KV/D0'TLEX<\/ZH>C M;-V"T}"Q)%.P<\]3OCUC.)-
^C)GO>3SS,YY'$<1SV%M];MM3TT*B(09S$?91 M,',,K&4#]G\CUH<1L< >P$GV'>W[^VO/NMN?%.MPCS_]$'QG_ !#B/*VN*T> MBX_%^]&\$[?
KK09_K?3?_RR_Y2NNU?>^6FG=_;0IWO\HQ#|*V%;O@-3$^O=A M^6,IY%KM4;KTIDX[^4@+/;]H1'=T6?<6WM_+UINJ>?#GLM2;5[YJ1F.IW>M>
MW_?M[U]ZDNY[/.O/?$/2<_W/)OD,XW[##_(9<57?OC./8S'&)KY7BXH#^;-M)^(0K+YKXG)9VW+S3\N5_/I2*Z1,94RX$#B-
68")OEQF7DBPE.KOA1#L.&Z5+I@+Z*N6 6Y>/'$EQ0-]Y;,.:"\6,Q MCBO%3SQC.;R/EH]ZG)CZAS;O/^BJ'B*FPU\D3-)0,(E9%"68,!KAU-,5JHD0 ML>?
1D I0E/-\]8G525-L9M3I/_1H6T4+!Q S.Q>XP0&F>-80P ?VC4KG:E[? M>4+SCNL;%?AH6M_X&S!E+HMJH?M?;U9+H?/_;ANQE.6'C9X-
NE!G#&BFLFUY#2JA5Z"JO^;:>L(XO/H]AF G9*:OCTQ2WA]&6?KMSY^!)Z[+HQ M]9H0T$!FC*8X#P7!A-,0TS3R<9,2G H6YY*
T$_%Q+95VT0]C*&RNV^^-DSVK3JM&8$QT%;-['WXH?9#V^#F MT[+D=*7C)I_4WRC7W.=A3I5Y$(1*3$@>X,RG&4Z8R&@>Q%D:&+GF S2F#@:V
M5%%#MHD)U83-CIKGT!D_\3J0&A>,@"/"&1U#CZWYES'X1&A^Z?BL4<+M;R0L0I\"Z MV!/TC'Z76?.[/*(*
<#2;^@39U<#5(5[:%17I9/Y2/@!:3(_":+9A7X3*!36Q M?9+N:.][&I')9 GN*S/S%KP/"GBQ['7K>3I^;XHGOE?HYUYTRNJ8,6IJTV M?@]A^?
EVOI+SSAA6D0!IA'TM-E@AFF MZB^PG^4DSWTOI:G9$,XA*O-<[FR;Z;9_0)HVNET;'HZ'<3*]\[E0>JO+'[C@-M]IV$3PEV>2_AO57?IIOP*
<',]A,^^;#=#OIWN7QX5,[@]0^U,3^T5U"W>5UP M7MZ^5&5%USK?\,-R]:(>VQ4IU9-[MSM)E'N>1_P(ZXYM>@1.BE,_DM@3Q)=)

M'C!!0/70;MB:^L@KUYLG/;=R4]3I$.NN9E@Y.:C4K!I6.#K^&&;;^OP0PZQ+_MQQ[]&6SOE^MYB#6/],=DW41SS9>K)6VSY]U[#&X!

*<^1@.&)]5G_$+9"'[HOC MU5UTNOQ*GV1[)17%B1=SF6-!O%@Y/'Z_]4<$)CGCOHR"+**@._ASA"8W?0=S M3#5EX.7=*%9F=LP%*

L#8GYWP%W;$/)9LDKZ8/3)OV!WS6-CA'IDGGK?,CL]S MR:O;_..:_%$7[']3IZ#;M;[9/[C=_R85[:5.D&QO__?_HO?D(O=YE9XY"(_M2,]E8#@-?

($#EOJ5AF>]?9PQXGD6%T<'9.:Y M+_HFQ0NOCT_+-2H[#A#7+_"G/QR@9&8L;82V:XBXE>W]H&SP@0FG)7_U\.!@*

M]7D"%IP6[6C@P)G'+KBOO>:|>)']V03O7PK=@VSA):'._9QA&40!)M3S<9J3-M!'N4)M133I>$-289)C?QD:JYHZ0-=;3:D;>XFST/&>"&U@D0-*

O>T+>'^N!/E-M-S2T'=_7CLKH\M;V/+'YIVY'!3]Y@SO^EO4]KAY5*3_(Y]\WZV-*:E/?:Y[<-M^V\++\U"(2*.0S_),.$)P9F0-F>^K_XZB**0A[*

CUJ4L37Z>ZK1$>]R;6F^L-M;<;%\!M?),\&*?C&N>8(_=+Q]JOV@4X8HAKNPQ;KGPV-M[F@=H*6NYOLR]B9-M^\K;"7@G[L;=K-LO/?^-DL-BLI;*

[H4/;B]68M=-#+M)K\]-L3NS2:A'G1]AD!-MAVV+&]E@UJ*EAS]"5TB1U.76+W2%!F4&E4-/BV55U7QFR=D*E8=%ZM<>CSQI-MGWE]XOE1GQO2F*

MOH?ITI-;HDA119HL/.=Z'Y=AI7,B+?#.\2JH5;;U26$NRK7>7W'V3.N3-IW*-MLS[]H*TW_T/J^;"OND=5'>#])DM9_%".(E7G]52$/@Y3FF-B?>6GY[G*

0B3$-M3SE)1)C-$C//D9I8\;;:$]ZGY5K'[CYKU[;S6E^[T:!$/-Q+%G.)$Y!$F(HYP-M&@82>YG:0",ATYA)V!E[B-SDY^>6#LH;)M"J/@!:GZ$'H3/3:5=P*

+W95QZ-M[-7V+/LZ0DB**EV[8X)Z#10_C,U-TU^#9JWZ9.MJ2O$,TK'8!?K38-:Z-0=-DJ\%A6-M2#>TOD(IUEP-#C4'PMGX4-.2,P]1-0?A>)0HX-T+?*

7KUNUF6CU+\MMF(4E'0-MD\5;SS6G+&%Y1A3?E^78I"?%K1!]-.],FW)];GFBBZ7S[I?>_+U[L;-MG8Y6+H7N8FD>J#XC^'B@^G*981H[)"[Z0]-*

VU*US6#"K4/69)6<+50^+U-]5-MCSP)5ZR;YAOMIF)1?JZ;Z@2#W]CYEZ?<&6]:Z.0PM!++]H1E-.0>.?FWC(EK]-MX@:6G>U7-*

RY;_Y=G\+3E("BUSFW>./Z?**^/G[L?(0MB'H09PRSR/4QX%.-L-MH!1''F>>'Q'*"0/-@QJB-O6Q4/\XE>O2'G(Z\F;_6@OLS/P\9XC-]/@B,.'#*

MHTR$=#4_:I#6O&.D3,0^FB9E]!+P5E2(Q3?Y\$6*+\N5+*O-6K:MS[W4C[)0-M'>0\'C-,?*

$EPFM$,ATP=Y{(\8$EH5,U[EL+$2MW01%NBAK>A9_$85EHG4L(4-M]5#-\>;KA!**]CJPOE285N(]4NX_K?G]!Y@PC0D2HG$7O#CTFEO>L^_-<\L[*

MQO;VEG?T08$"_'61Y&./=X0-.AHRF-ML+NB(7+3WQ5U/1VI@@,_PP"9>8/N!(>9F5.=[*\0C7ET5BQPP[4!M*[ZD$]*

M1&K>+M0&0A_UH39YY\+X[ZY>?MMO(B1AZC'NX2A+=!D&HSCC$<%AG@=>EB<)-MBT&];0=HS9;5L2-]0=>M\Y-!P[V7*

6$9Y@5B8!_;/2^=ZYCN"4IO$\L]+_+9-M&.[*_-04Z\/QO7#0_6Q*/3PENNGRC1\>W:!B36TW_-%$2[J8D>DR"NW9O-2-M[L\HNG[:O-Q<5*

)0&8^.I.0$5M@DNL0-%X$9EM8]_G5]UMO#;]&#]Z-OXPW"]^MO),,:UZ]T-7]50_1-BKEZ;HH]L,%KM(:\\@,*Z-EPL/T[+Y-;-MV!-H5LIV9LG9-*

&U8I+Z:C3QYV2!UM1K3'=SJ%$]^>5@O_UN*&Z%VW&6^U#D4-MM?OAS-DJGFI7[J:]D6VKHN2%7)UE<7-4][_V-MT^I[CUKH.\>&39&-M/99RW*

^T%A!F!L_+YFP"WUEI[!)]IE::+X_FE-![Z3,G'X!?97Y6VO50?X#O-MLJ[6=?9)U_Q3-PI4#F1=Z$9?Z[R4190'.16)AR,9!)BP)%9.6:K^E7&62_5_-M66*

T(\""]L1JMVN4N]S1UOX58-2'#:-+#NCDQ3C#MW3&"=IQ<=2V&;W/4XP:=-M38Z<^,7KA-C;7.YV&@0F]#@'R.C]@F5"<[5@%-M@.#P._1Y%>ZT?*

>>/4KRLI"Y(Z$Y8?ZEI-M-RLTC!.:>6F(F:^KDW/NX91E,?:.92&@>,=^7QCEKSKB:V-'K^&QJ;[8!F(XA-MU,TEU4K6<;O[K\.]+R?\5.-^XIM*

)@AVV)_.XS]!7GLT1\UL\4D,NR$G\/<-M^7R3SV+GED[S>[5C>/[',2P]-U@IXM;UN'+]AFTIG/EK]NJ-M6+*7]B:PT46[.I-*

KLU+O/]RLUH*2[KY8SP"D/<9TG$U]-M$BF?ZG];.]:XQZ9ZH^$36,\/_@RIST7.XAQ'5'B8"!KA+/0RG$1A%HF)7%$-M8*>6:3[%)6>8K^TDJZFQS((DI*

'-<2("A:7D,4Z3B&,1$Y]&D<^RA%ET3Y_X-MMVW;7[U#]:_XJS8[.D[Z2X7Y7QK,=E#H+Y]KDW%]@.H^1^AF#$EXWPI;-%PU*

ML0#3G[>CA2T\1^TMK!>RG/'PPL]E6-+B];;0DR.JUR^R>MP(G8I95E)^I]]-M^%XI)^#=Z_'#W6.UN[-0019FB?!Q(B.)U18=81KF*

?:#3&9AR@2+0;D?+IF;-M^GBZI:[@1PU]U""+.CZND&:X'NJG64;L%9U\K7N^=,,E;_-.[9@-U*.1'U/0L+/^%Q*(!3Y%9&)+NB.)&IIC*

M.0;FZ)A9LTMEAEDEL+A@8S,DCR.C<9+$K,H_),&A@\;^;Z>,O!.BSI+]O+*/

M]0CKYG^_T#^73R]/VJ'[^.=S4]52)TPODHBF421S+/W(QX2G'J9,J:Q()B8G5NZ>HKPJ:\2IU6],$0FN5JA["9QD^.&\PD=.QLCW&H845G*

MGCYOBGH,1_,WVF_9K'ZT>0@=-U)I7U#%[Y2P[WPE:C@R.'0^S6]2+8#HT69ET*<]6,2$ZO=CI#V-MP9]:\FC9%=T#*

<_2.$3)SMB^3&Z9['2VT(^8PU^ZL(*Y2ZXX)S)M)=U;-H\2Y-M\T_"|^0^2%;I)-VBUNOW&_7[5&<>Y?Q^D50[M[L1/@OAAWD@-ZD.T$F(B4>5*

M=G(OP[Z7H-MQX8Z\?:@NIL.*O.LL6D@LTL+-MYI]-DR9M#+B3&P('F]%C<7-C-XN],-$9_YML,&F.-[$*M58/:H-M5*?R73G6>^4DZBOU#YLGNERK*

QSG<%X?6-Q&WN@/$2U'H7E]KH4Q#T?WK-M.UHNF\SP11P'F4>R%/L!X?KDI?M@ICF.PC00<1#X/@'UP73&<3]KOFL1X+*

*MN@],0[TN.NJS8Y>YY>[KF'D9;X(YS-PX@AL^O=$U-*Y&/3KC:]ZYD*[A/!HB-MZ9P-W,O10]MO\R_TGYNB:TC<;N2,^X3(.,49#7-,DISC-*

-5%FY)X>4ZBA!'?-MU,TY2V5BP]<1LW!PS@,S[N$X&1=F<\PE!?DVHY)"G=/_UQD0J;@!Q-?L56U4T]?KK&#'V.+"J?H!B;^2(3X@;3_CY@*

M3;.&/5;VZW"VTR-52^Z<#TLL'+D84.JS.A*6T!RZ"[;+P+,XFA2MMGG$-GWO*

M>T6KEW(A12(2HR.%_G*_&0^QRS3!\IQ(IE(\B2)C/R",4(3NP9M+F+7U7*7-MI-A0-_]&-1KY+[*

*(00P@V$K/2C+PT0TJU2/P85GR_>QAA3CU.:48B)HPBE<-D)E;4_M[V-M0>9+O@1?=IP$Q_12XU*1H9<7#3W4$1R?'&9Q0S$DD[.;B)-*

$9KYQ&!+T^&9A-M\&D[S?RR7&^*NHBJN9ZX_;E6*Q"X?+Z3Z@>PKNB#?/>Z?Y/1/+((1>))",X-M86JS)3X-,*

MT8-(X2#S)2.YG"41YK3F9.L.KXT/GC;2,Z'I3^>>RK+>D\I$]-M-V>S4]-#O7Y[\,V,PRR0PNS'KGSO"NV0W?%S=7@G6C-DSK9<#(DC\V//QZP6*

MZF*X#HW8Y0M:!C&>M#OSW_7MSVW^:,FF:Z[6KMOR+/(P#(.,$!QD:8I)+!/,-M=.LW$09>Z(M-!@&HQ'Z(V-3>2(^T/D,+G:^T+,N7>L(>-*

^_89@2<81C"$1S-ME,.!$DWE5H?$<.\Z>3!0$17H80A4O/@R$/@H2F+QC.29H7:ZOQ3-+[S_X-M^D)/6C3H4W:YYJ^=PV-MXDR2'.*

<1#5.:R)2%PJ+UU@!)HQ_HQ4VV/JLW5[V>RX5LSO86>^<0?$0R/TU"-MCI.$YYAX?HPI)QG.@C!(?1KG.3%]-^L*MPN2M>8!S,S7<*

0#S+Z=:6'_2.QA"E6?T,-Y$/W0R35VQ#F?6O^XX6U6M=F$JY)E.^>^W_E[HS-M2IKZH?*

0%P1F)/$P2M:UD(O2Q]'D<298$'JQSESGIB36^)8=J>I:=9(Q1-(V#-M3H$--#;;P++-1-JAI">5N6]!-Q796>C4F/#,X50H(,S-A=4Y5'P1\)RE-*

$BQ+V,]'SW+,-4=8P-?!I$7A#2-M0-VH0-0GMB4U#?3+H&>,V)R0FYGOR6"$6?M?BT?:#<)]V$%*

MJ7BY0C4W[@RZ%0B.;#],JQFW0J60\MNMP@\$/6]^L^[@M\6]V7QL:R63[4/-MVK0SW-6K&0:F3-.:V#HW/57O"AVIV13H_OLWM&.E[?-I'JPR*

F<\>.4:%^--ME@$DZ-^GI7M0H:V"7$8$9@MZ0<3M!\%-[UFT47B^VZQH\=L3^X\VUBJH\$/J-M)3C@G*A#GJZ[\R-*

UYLLB$3*/Q1DUZF!R63;ZQ>:N"2\2T[$A@!]%A[0;.23'45>-#HG?F:!YQC=Z]'P-F'-M+'N\:\|!>=)2]$?W7NM1+P]UN.G=Z^Z1=B;B]4]:B-*

OG^DCYN^Y9+/;]D-5C-M@D9"!#A-8],;(7',>"BQ".,\4<>5+)6@=DA3,#FUQ]'XV?K*6D]UKUL[-_0O-M].GYWW6[TWH&-,M:?2-]US+-*

]YOD(MWU>HX?SJZ#EL"W\A-BZ:@_!8OSMHF?M$.2C=O%3TK+<#'HSP>H)8.4G!=''/Y7]6]-55XU55U!NU@^?E;$234UE4UD<*

MD5!XW$]QJ'3%E)=PG,5QC/.WYB&/:1_4:AC&$TY-MK$/IFD=<,]E.>+4/4YUXDZ:+:5'1E:""(RCS.KM"6*]2R-2^L5+=0N=K<-MW3*

UKQ/@%,@C9\'MZFZF^+6-D?(HB:,XSS!C7]JJW39";/O3P:;0?J'36"D9G=NEQRF!VR$/KBB7[F?:1-J9,GB;SI5+_3':4,-MG[95T%(9-5Y)4=N+OZV75?*

GM^L_:ZU89T9CFG.,TD,J%S+T,4T)"'!(O]N,@-MB"?J(.+$;7)U;6CW1YI:^KH%T4?>C\U#)]IXC]"-JJ_-RA,TD'"0$QG*CU$-M;V;--A#*

I6,%-7K+3<[7W%Y*6\H-L_GFS/O8/OJFM_].FT!Q8&O-MSHTD%Q1G09;CF#&1R]3/0YCF^E/;-LZ;M-O'3^_HN4:]5GZW]T(]3\T6ZCE-M"*

[BU0U$W.QT38@DS)A/_"#8PEF.X,CE0ZK,-(4MH#LV2]+PG+[;M>QN-]J]-ME*>,"N5E8!8SY8#P7.*4*X,49Q%/TTP*[C'3G+ZCU2]BK//.?M&(-A*

MHW"Q9#"5[PMED=%W+)UY1M]%4MIE]!E]0E!"WUDA!A+ZCM^9+:'O++O]A+[S-M#\&S]C_^*?F+SB%*

[3ROYH,\ZNO+0,$W_Y,L3;_F6)N](_IMY&OYI:8<5WHF@-MP.#CD8S.2BA'I,'*H#^]XFPI\X,"]7/DAQ^$;T^=7%6^7VU*>;_YLGY>?EB6-M_&8M=$-*

J4R4;6F-B7=(DS)5G4-AQ'7(E)TR5&]JH)]MJY?OE4QVU__+U[@9I-M#E;UA/-21_K%\L=2O-5&L0%I&HF0EMIW.#"LRF>B7A]_3-Z'N[*#I6X]2K<*

MKIDZ[U->+82>2B?B7'FY-,,$^!&FH:28I9D7QH&74QZ8>KE-VA-KM$$9K.%V-M:8/KN.<\(5HPNW"NWO6V3>T0+-UX]980*

M#/C\T!5G.Q%8BMH_+]@N8=N>_M-R)8O.PUJ(/^B7(.8!9Z/"?7TR'-?X$1X-MS,\27XC$R%/6B1TNI?Y'%#[F(HM"/F$BP0%P73M-0TS3P*

M<)RF09C&2N?\&)YL=HH4/&O))G6L25A"M$)LFT6VR4$#RP?Q2D5-C]3+E]$-M(ST:-,89#Q-,LLRC01#Q(QR@66%NT*

+G>/6PJAXEDKK]G$.DS.Y$+I4=9J/V-MJ*&6G.-+TS/"N+PK/20Q_Q7I&2%/WHR>>],6BM6E%=^D3J+0.5&RR#?%D_XE*

MW]5V[)N$<1AEJO_AP,N)28)23!+]-3Q,.A(*%DJ4@1+@#"@.O6]1.\D\;RC-MCS9;!J!::X*DJ1H[Q@>]US5Y/8RS90#U.$*

[%J[0]=/F9>TP]Q(DN3,C8$)S-M9JL-@.'83$!>MDZDV#Q)/8NGKG#]K#^L6K5-VHNBW(_3B*O31)-K*Y$F:ELG*

M.::"802RH^)C8/41D^2T*/@ML111]TRSW$8.3/]X-P/F%W88:\FQ:7CK9N-M/M8X0.XS(8W$=9?*.$!K[L2%<;%/I"D8O&39?7M3EN\W:SUD1J[Y4I:?*

MP5]-MJ>>)**42^WZB'/G-ESB-LPSGB>>G/HM)&():RYXG-;&Z:\)HC_(%59-#@)DI-MNAL88%INBP"\<_2H<*X:1Y\G-&_?*

Z%&^C]I&C[\!OQY]O_DN5U(G6+8SLR\W-MHB=?GE@G=5L-NGY%'674DAZ^$324>U@1G8@,TS\[:4'WGX,265U\GEYQMAO/*

M08'Z5YW##*]IMBW=]KUW7LQWXXWJSVCR\MDE=C&>A'Z9";8H9PX0%'*LMDN)0-M!E3XJ2-L-VV*YPA-K'[7_+]>ZC97SS5]X-B%L^B8[8*

N9(;I7T<1[4A.4!$P-M)I>CK>\LF5DWOC%A#[>]T>?/*6K_^ZBM\C__S__]_D;]C^Z_]'_^U_\/4$L#-M!!0-(/B#'5EA+WI2X:<-#JU!P-4-9&1D+3(P,C0P-*

C,P7W!R92YX-M;6SLQ5ES7$FR'OBN7U'3\SK>%?MR35TF+Q-%,-9%*9-M"1:I7S\>F=C77.+@\&MD5D420.(<#_E/7W&QG,YG__H7-M_E?*

VEY]PEN9Y.COYU[__=.OX/[RG__3?_@/__'_OCOOWQX]]/K>3H_P[GJ-MIU<+#"O,/_TQ77W^:?49?_K'?/'/Z=?PT_O3L"KSQ1G-?UK_V]OYE^^+ZY-M*

Z6,@%B$!\>#$FBX0N_7#SV=SO[Y+_6/&);X$RUOMEQ_^;J_^;Q:??F7GW_^-MXX__OHM+D[_.E^<_"P8DS]??OHO%Q__=N_S?\CU[GW_N?*

U3Z\^NIP^]$%Z-M+/_YO__V[F/ZC&WGJES,OORQ6>+?^:YF<__MUT__&I.B'@?3B]]Z[]???^"__]7Y?3LR^G5]SXOL/SK7W+.4.7*C&3UI?_W*

M]>_.?/W^+PM<$FC6ZWU'W!AX1'W9GK3@MQ7.,FX6>?F:TWFZ]:'3RN+YXO(W-M3T/$T_5W)QFGD-63C^)RM0AI-*

>')Z#?/VH_MR"WZBSTYBB4PDHX!A-MY+0M?(3(2@$O-6JG-M?.+G+V%!#X+T>7IZ16Q9S,]:R&HU;\"YC5B(W+_\1*LNN%A@?K>1RJ.+6Z]L*

M19H5UY]L(?'_=AX6],33[Q_PRWRQFM@298K%@6680/$@P)?$B"-1Y2-=9A>:-M"/_B[?"@>@?!X?PLQ-(O,?%=)[?S/)K.HTGADY#*

(U(&YXHGLD4@AF@'.FE9-M,)1&9]$$$+=>NQ4<9/]PV)^7G8#ATR+,EM/*^-M-,Y,DNF1!**=!!49&$TMD*

M8*Q(6@,A;7!P]TW;P4)U3\D#N+HR*AX,UM-5]]_G9[B[^=G$1<3P;33)FJP-MECBBA-7@E6=T-"KK,RFYG-ZS%>Z^<2L4Z'Y14$-YA\$6B#T?*

$P2W(+(K;"-MB>T=)^WXW-5L/H5O;S.Q:UJFFW#%A29D)0O-I@$1702ER40*W&C@FDLZ%,.S-MW#<-S".OWPHJKG>HM.!M%R*

YRIE$L+SXZ]UTAGQ2&,_>1PF2A4P*DG2C2ZF-M,]'*0*"/H@5-'GCU5N#PO8/C4)IV!(Q7],_CQ:?Y'[-)DLD(@PR\1Q45!ZB-M)7/:.:5%X,I%?*

5B8[9$7;Q>Z8C\(*O9D;$^86!^-QXOWB_G7Z2SA)!7O"]H"-MWFM2>LY*<$5STGQ*R$S(YDT.E(??OATZ.HYL-F-M3Q!Y/U^NPNG_._VR-IV$*

M<%7_!;\"_*\O83HR>R6DNN4@D"C2SN-W'KW=O#H..#9B*TC@Z-JO:,%A@W=-MB4H4)]PFSK!47\AKLH*

Y:.O$R7]VP9#3E%),A^WZNV_<3OP=QS-/-M8N'(XO^T"#41Y>/WLS@_G5A%BDL5"UD92QS0-H*3$0(6X72R#I4[2/:W7K>=*

MX#L.6^[/O$XV_9MOZ7.8G>-ZWAHYEX*'"$E4+EAI(;)@(7D3"P_;,G68WG_H-MK=MAH..0Y,&L[,(=>'6^J.S:W.!52),,SI>39*

)C$>GT$IH@G8('KS!"IK6I-M;#(SY;"SX*FW;P>-[D.0#5C;!43>SNAIQ(I5WP=5N%B69,L2I0H0PV825">-MK!PO?#':'F%&XPA-;G6>.CMVT&D^T!D*

]9V-9%ZC;MX%59X,E\GQ3KDB6]-MP5@?01DR@*+-"4S**NA<,T\/,R8>>.EV:5/=QR#W9V07./AX%DY/?SE?3F>X-M)$V7?22#-X#V*5=6**

@UAJJ+R=8S8[F6#7!PZZ7;X:#[../^C.P"!V_.<'%"-M1][?%O,_5I]?S<^^A-GW292"'7&#RB80T!,>D-@2>%&@;T1FC"W,MHHP/OGP[-M7'0?9CR.=V*

M:.@XYG@@&[L-1%^5M,XYNF?'S\3WY;'YZM:RE$]ZXG#ZBL1O^,A.3*!&(<@-MR"(2S-:!:*,H+>XRGZ)A.Y!'T)ULS.:107-TAK-*

<\T9_/0TG$ZM32(4.0I$-MH3T:LHZ-M<#02.&3D4X?IC1NO6X[*'09VD7_\Z7=90^S]+_%?ZWG(2-MN/5<$W2M50R4UJ5R@5C!.5?!H)6:'X2*

1U^]'1HZ#E^V86I7R/@?&!:;)0C"-M[]IY9KI84-;0.Q-N5[!9<%)-MTCD[:2Q(+A0HIRQ$(32(HAP+3(0@#G-%'WOS=JCH.);9A*5]V)NTC$4X?3O+*

M^.V_XO>)\5$F23R$&8V0\._M_/D>$]_1-_:OS3[^_?6;WS^^>4W_^'C\]NWKHT]O7O]Rl.[HJU=O/O[;FS>?*

M/MY>PG9%V\|_M%$U]X[4'UCF?;Z$DQ"^3-89:E@[2ZZRSF21/K'72EC&-18N7KK9<'BZ6EY^YWKG*

M]4+7ODKE\AU'RR6NEE>K9#Z7D&F!Q:]/]2]TA6],AV*3)TLZ&RZ<"7/NL\C8%-MXQ21#X:$2[73@-*

TCGD"WJ;\X3Z\6(3&1S2TDZ)Q";=%14TE)AP15/)F@1D?/%@4K9:VL;8V8JP'K!T$-#F0TMC-M;XB1!1?GK1122K5\;OD!$]*BXBG^CJO+.VBBMIA:]N*

XDIZ6R""FI,!:FY-Y-MIDUI?I8]0<\X,3&&@U0SWG>!I+>SKT3W?/&=%C&QC&7//&GKB#7!I99$8*I7*

M4Ej%3$=_R4\%YO9!SLWWC],Q8SBD[,W;+I#Q?H%?PC2_^?8%9TLD)7]\^DQ.-MZ$TN38Q1(BDC@2>>">ZR=@N*&6QP"H50NK"G8OG[*

&8+LL9ILS$IR>'_>4GMS=W\3>KX*_MIXTTS_P++E;?W¥\&8LK!NFCA?S9C>A79Y2T*8G4S)._NPB!;QYELZ/:]7¥W^;S_.?MT]/3B19:>T5[RP;.067BE-=9@U/6@]110M!:R>BB5+$I]H4[H.A_M)\@9IU_9_AJQ?(N\//ZXL6UO]89?@K?KD[:B59%>5[W0BR:C'¥FR",4%K1DMTI&]1FO1C>'S.#7C=#@$; #V-&-X%>&Z$$7Z?S]*ELUBQKLG6MT&2#HU)DMOH_M(^3@C"_^HQ%LJO>X-;LM>5M1)X2*SFII]JE[A^I&;>![V6#7G#LQLH.@S+MIB-/3Z6J*RZ-97B>E?¥Z?$M.7_M-5*P^G[%&L&M9<;0H2F=(#48,G'%.?!9\EKV1$=KZTN$;6D;-U@S>)+%("+J_M0O?<6-G=*&G*1;E;_:#0TA]:VMK&B[Q'RV1F/AJR_8>#6U>I&,/(_W&0'2** M#C(U;KN2E^NZ+/Z?,*6"**Y!X8%4O+018DD;9_E*%<&\#]IK:L#E.GA1)I5,J]0/C-1Z;5ZK:O\(+K!6A!L26AO5_M#U,R[AX(@:,+T2\"S.Z;WWN#0)RF=O4@*-R8_24A-C_G&'OFM3RM+|IS+>M]\3/P\2,>S\Q'(0:L'[,:HF<)Z_FLS4G_C%=?7YUOES-SW!Q0Z5NOO$;OU2C_M\VI]FF4LM890KHT!QA,$D2Q$E[02-CGIGDN4W_?=XUYC-$;2BPB@[/IF35>_M;)I"7FQP'EC$0@P,'&+P!0IZ8QPF'Y^LVMHKOW4+NL:.]!AE(=3472_<@>T_/_M)Y.D8]9_BB60*>BQ)EF29ZPLRXZ37ZR>:FS6QM$;]Q9D(=R.P>@E/SV;AHV.9YO1,T.FHA$O?-0U$/4M*_U3U@7.!P$72@_M=QYQ1V\L**N25:VVY(4L096B_-*@&&9![YKTCEZ-YCO2S1'5CD0\'K[;"Z<+;MNW>5>(.1]3[1\9C(P=_0N9"@.$O@ZMVT$(8\6UDX8ZT/O&=(ZL9>'PYG+872-M!S$[_XL_M\]K#;+HZ6U==SG)U5>D,QUFJ2S$R(^?,$-X+^:2)K,18E*(36WA!¥]'U3PZ7-MWR]{\"@YXZ8HO0B.6@FC"PWT_3/BV;K~DO1HC8',3>FS}^O.S+A<;?AV6>A[_M=%9O"";(R"MFM=5FYJ6F&2'*"#F$&MC8!&B1T5/:PS$_-B!DNM>A&X-1)%!Z"ZT15T_MT[V_6?0):3\$S7PMSJH<00F!O@XN1ZZ>G%*\[S%ZDX:QN]>TD>T#I^7>C.[B_MB#S*>9U=%D[?ARFYM*_"ERD9=C<6-M%\&6=8)HWJ%:B@)3A?#(@BF(TAQV!:_MA[.>IVKL/+U!X-18&%T_[.NPG2&^4U8S.B47AZE='YV?AI6F%]CF:;I:E*<_MU,$E)%5M:NFH5C4L%R_QQ&0MNM(\/^]YJL8-F_X$L,;"Z."HN[&"=>RD-DQ?_MX&>_<+:=?<1.A>S=?UKC<ZE_MB0JDKITV=>WS'[D'F;+6!KG23XYI;&/S[T/YN+'9@5_[@E_[B,<]YVQ-BBI!_M!L/_^TB&B*W92+19@:G"360F"3M@/OV#-(TTI7ZL$._A+U_#RNROGI_3Y]5TWZ"BI;R_.R&N[QUKEK6O^_M)7%_>._=%D]_3=W+3-R%P+&C*8UQ=_]<'$Q8';@L3QP/,6>R;3T#;4EO*RTBM1&|*F&"Q5H(*U3R'_XX6,^%F@A1_MK%(I@^1,DAE<:\FS8Q!+<(8KLA-,ZYKL+<@:6XVU0<#C0>$FXN@+89LQ8T?G_MJ_SQ?1_8Z[U=Y);KD#5(F2%RH,SE,&075L'6V;3O$7:$^2,K;2&1M1!|.\B_M4G)O,6^7RW-:B-*F\!3IV%8,Z10O"D+)_3)Y+=&9*,F0'QI'&U*Z#?TVQ=_>M;&^(GQ=Q&S]^HC]_>_/[IX_'OQZ_?_/AZ--;^FDKE_&1IP_H+FZSGD:NXB8FM>V6$74%066>$%0:8*V1QB5HZ*R.979%9GQU$BZTG6CQ"RN%F^.4#/U5?8I)$_M<;+H"$G7X(F6_D*@'1&]9Y*[H!5OW0OK-@7CVD(MY'W?PMZ;PR/:/,O%]G:Z_MS>=I1;8;+KY.$QY]FRXGQC%T6G((4;¥M-@L1O0843N?:>D6'K>[!Z04WT$%?_M72/CL7>/;2?O+|=Y0Z;V8IU\'6S@N7K^5F8SB8EI1(C@MP!#.XBO':Q@E^)4P]U_M_;B:KE!;C-)_N69;D3;4Y.9Y4(;4HRIT?'KG'.VQI'2._@Z1@+DSF>,"[3!D_M/_RSP834@:IZ-5^NCDL=WG#SC/AX/AU'7'+39I<"Q_&I.R\I6@H_.@W9""*Z=_M5\|T+7)ZGJI/3KHTZ:RR$+A3G;7&1)Y,'_]_MZC%JQE57K26_-;!V$D('>NIOB_ER2=Y(F:XFDIFD/9(*3B"DD%#T-7UD&A$_M<,E[T7Q2:IBRA_MSJ<2-GC4I;6U_2@Q8Y<)-$5+&¥9W<3Q)Q'7R!]P1DLZ)>5XE,^FLVE=SFKZ_M%2\6./&.%A2#!^[\NJAN.;\]*-M#%]BQB!3"77NJAN.\K&/;8:_>%>6*BY3+KMV@<2#I%0QY>_)H_B=+Z>QGBY&6SB(EQX+GV-@Z2SGQ3+N?6.10/D#%V*=HP_MEM&>;.X_*;_/9_/;J[@<4W[EB6JO>>$%I*B-A6JS/._K'\%PAT5JA:U/JF>)_M&K=G6&,4M15!!U[[K_,%3D]FFPJ0]/W3(LR6M_R2SM_"=%9WR2]8Z#,US"8KSJO8[+WZ:S^6+=FF5C_1S-_M\NVG;(JH?L/5¥WF^5N;+B2PAD]-DR8VJUU(L>PC"*]_F,F_0(S+1_&:!]L>6-_MVZNXL?_:*RRZV3&TY(L=_PO.1%ZZQI*D,T$1\5P#V;YUUD4JD%D2J62>LVZ=M7/,(*>-V*AX$B8>Q^U";<_!-^]AF8$RA)+^)#HV:0FU%LT<)NUXZP$+5IW_M'[Y^^\B=P1I#94^N=G!._8ZK:YQOU3:OQ!0D5TC?M65W[CO6+,Z2BM_MIE\W?M\E!W)(OFA.9G0AI:RDSN"U+D#6-/JD>49L7:^W,Y7=7/H=AJ_'DM>'_M%%<7/OF-6TS-1=$UP4,F4M"J9_W>!@;::<]1HI*J]25Y+_?&0TOZ\:OC79C>_M@;UU?0&R_#3_@&1!INDIWJKR^#3?E94Z"%36,>,2]J3XW,DB;N_M"E=[=M#QXSA7R?,47>O..4^0,ZY^'1\M\V$$UX%*OJOWP;5#1U[79A5&NRR-_M0.!A(*353.*0,)?(2E,\ANM:5D0\2,FXLNSO0'2ZLCE)7+GGTKMYO?:@IYL>%_MV%>'8JUN*O*KOGPA^E_[KTAFJPMH!80D!2_F=#H&M,VG)>Y*X[CQZ>[@.JB(M.SBRZR:^_V,Q7>'K^1^S298JL:@9%%/'FV9TM!==_"&CB@6#E**U#W2?_MBG%CU-W!\$_Q=0"T-:=J:N.O\\7K^7E7/#\!IC["WU*D%!T)%LZV)1VI2#Y0,T!-^>P'&OOX?"_MR;-P;"6R7EK3WUG>98"6]O,D:"9$\!QHVY(]$HNHTR\#Y,*)9S&B$]WK;YXDM:-QK[]$0MZ](.D78^P62[9$O7;;+X3P7VVEMG=!.*BRA)/,C^YHLGT0!EYT_M+WR1I6:UF];7WOM1.NZM^&B8;"[$3L%Z]>W?A^]5Q4_($N8F%PN^B$Q(C&2_:BBND[H.S$',]FE(Z.&.U3*IU3^U#;1[W_M@GQ.U3F48#MUM&\O[H*[O]->Y9(IEZ,"G4P@@]IF<%I$<_&%DLADM,,;]N2_MNG&OR$>#9Q-A=6%0;E]!,O&>&UY,!NX\K6=GF#NIA1L;(!8O&D2UMZK1%5R!8Y:'HDKSRS$4[P&BPM';GLI@OIBQ3+MA)7%T6\7MP|'Z7^=3Q=X*^^)S)+KU"?-%'EV+(!0M24PM)MK.21AP7@:5N(_!M(;B]M1U66S;#"EWRF'5H71S8M)2'F]45]S<2CU?P6_M5K5WW/?CBP&:$3Q'5I>FY4N@L868>D#>W;/@>BGK%D65O1<_R1/T-M)DCF'7BLTRI3$>"B5)"%=R9QD6UL?:.X"WWC1M+'/L1;";Z?D.;V')U(VEP"ML99K2MIU(GOB)/<@8LF9*Z,UME:.VU,W;H3]A7$YD-#Z=;]_G<["+#W"2.N#_MD"("+YX8:1,'%UP&%;UUN=B44NN8^NY4=M/E]$7<[U;BZL+]_H!?+HZ!X_)NM/CLAW7NV+N7(+*$G)@$3@6P/:S(X9SAPDY.SF',K>MQ'J.E2>Z&0KF_PBD_MGQ/XTLCX@*?K!\|_A6_UPO3SIC]I];L>;MZ1D3/D6-N"ZPDB/?%0*P8)(W=._M1"U]&%2!X/90ETST4*@<26@?.S9M2,)$-_N9;^AQF)_B!%/'QK"ZV_E\O_M!+Z&T\W)07R<)E+3ZPC#+-_^QHU/3GSB+*K(ZQ1EXIS4PRT8!5]#TPE"Y!FT_MS&A*#NA,ZPR^X8^#P7),^X3X3D+<&[%?UAN).+!8=8#;&)Q0.@0@]Y>,1U,_M^(@&A#;1(P\NA-8E3L/C=K!DU$YQNXL0#\3MFUF;N,;'\R]?3M>L#*>7K'P[_M*_/%V4:8ETQ5H@2CD(-TF;:DM@EH$Y+#@P)E*KPPT;KH9$O2QNW+-!@2AQ#,_MBD",>?)G3ZCQW$5IK/]\%X:+;_.%^N&D)?E!M\GDBP7:Y@'9C9]^!0$2U8_M&3"99RX*ECM-MN_-^]GOS2-/?!E"^/,7DT0'B2B7\];>AVD=Z#H1I(T=+X)\MO2SZGB_L&0>E$.Y_^5Y?$16Q?V7&+A)'3D@=$5_N>=P&9JW9AERO(_O,ZV_:M.GN>.80H:N]C9I(C1ED3!NBZ<8>*D2_47P0X!W%^Y&-M/7Z=WGIFV-P$CQR(_M/N1>1B[-P#?>$,7W:W%]QM4TA=/;ZVH\4?'VFUYZO.(3ZWR)68O1%B45%_R_M*3*R_1UX%RU(G[*D(Y%_WOHP&7+6XH4W?,<'/E]]"HO%]^GLY._#Z3E,>(F8_M2\B_-9Y#)H"_Z&@K\6ER<3E8F9K/B-V&L(XG*NZ"DX?B%VV%TH%A=B\"\|SR_MM"]2.(R@?:+E:2FA=M(DIP5%T9J[8EK?B^Q(8L@;TA!=8?#.M_[?%'Y_M/7%._"5&X!"S1D5U"QJK/RD$19"N@U%ZPUNEIC']2(U?_MYLOI:F("\228=5RT._Y?SXVJ>_EE3KTFT_MFZ]RU^_TUBC+"4V:['R5'8'3DOI!X9V/G@OC6Z7ER_YM.[Z)VF9_M5O@,3J[KM&O;1,9$ZT/R-L4=,-6-L+"O5O)_?G=@?5U1?V&([4B_M83Y;.R;?ILN)QNB4%IR4[?J&RUOP/A20SM947JX='VR//$10)UC:0I*/@>9@_MMG>_H3MK>#T_"]/9Q)<<(Y,1)#>E9BQIB,$RX"*3.Q*\8;9UP?"#A'2"F<,%_M?==.ICK'4"'R#^;S]:.^3<\B[B8E&R5LB]!04GZ.'(%SCOZDI'5*)PR*K<._M"=\C8ES(_!#L7>_L("YW_).CG*>5_>&T7H:^G5VT/+Q8#,_<:\;)#JX-:)30M#J)1'H(H(KM4;"FMJR">)&C<4&9[^+3C?@=0^H";Q)XW83&;SDZ6%ZLP/@J>_M/0-K2G55:0&QCMMU*?EL"S(ZTIO*Q^B9-QH97OP_.!W!Z@Y2NG\['Q=T;LN_MD*P<6N:GG"VG7W&3JW&Q,.$#X\D6<*C)E1#10N#%@DA)V!31%VP^UFM;XL8-_M/@Z@F:12@=PN[(:W]'6>5NC+),.Q48ZM<$H21O&*06QKD#SI)V+VL?2.AO^_M/A6=7-(U]+_V8W_'$+E?[G0_OO%A?GKZZWSQ1UCD"2]*":LCB%S8IL>8TI"_MMM9S25O#_*^^WY'$3ARU/1'Q;-/N=N+1_'TW/(IU.XOE\?EJN0]S6F\WT2J8-MM/8F9%QWLLBT.3D#5DC/FYPMSZUO1)ZB|[P(,90^T:FYDM'TIAZZDCS0_/%I3W-M%M..R.(.E^4%XW;[S;$>AHL:AU)_5,^N7[]4K4<_M58X??ZD?7/X[K1SS[^?5U#TNFZT_T2+'I"WYY99;.JQE<^()Y+GI4AO]RW_M]FB'6$=O\^,&W_%CHV#DHH$-Q6^7RW/,F[6\^?:E-E?]^RQO?+NK7EDEVV2%_M,[2W4=8ICZGVRA(@0I+69JN3N)-=]F"5P/9O[&V$7'L4#BB!#NS5-,\V"WM]_MOJAGRD:%KQ?\2$,V&:63%@TYE(;\2T?_B9Q"T,$"VBD@^QZ";#U;:G_MALZ]N,9M)<$.[(+?<;6Y)W@W7RXGJ%V*WDHREDMM3N$0G/((/ECMA,-,ITEC_M^-TB8-R^'2^)K/WYW@%H'KMKJFOY@.DT+)?3,DT;P5VI_5IH>W3\ZNW[^BOTM@XN!HN_GR]4"5V1EKUT\G&&9KNJ8J,V0"3HB)@8-1Z\0.-,.UD;1GC+KNZPB_MD3O'!9>-8?G"2]P*^/[/_/R>L=/YUGI\&-4UHZ[6C3XC0[3A;_=BHLGE1(<_M%.5#3#PSY*WO(%K1OMU]!?NS[X;!Q-T!S'^;SN:+=8A[$[9^M>XP]';V_3,>_MK:-YFVI0(:T4;&VU^7T=&RS!&SHBC69"1,*LXZUCN%N2MAU(_Q2W:D,(JP,,_M/K7WB&TX/9F]6E>4IN_KMB$AK39'S_JKTSLGU-5.3,JR$@4#E$;!8MQ"-"E_M$$87P.01=T.S@RK>_5>R'<+_%'=O'4"A@PWQY.UY32ARAC'P;!V"005.9$D6ME=#"&5EX_29PW,:_A378LW$TDM[T387W<$CAMHY4ZG:_BIR#<':_"8EG8K)_MBOG6<=X73&G@/_1=VHBB;@KR#@J@!V_$]=PK1RN-?M'67$_4QA;C=_XZ@S1<_MT"F>,OC_"FV_F+4M+]:J[4F_2)WTC7.%6'V\6+]T$]M^CYN;F(DSW%GI-;_1M$92M\UU3*9!,PFA\'4#:)$[^)9+IM"/%+6$Z7_+^QO/V_M4'$//:6-UGJ6OD:*Z'AQ$F;3_[U^P:OY;#D_G>9PX6+_9B8_MZ%;?KJ>U+|>UK,L]%.VM7V^C81^GJ)%JO9Q93V=])$E?0&#=XO[&NZ\PE[(DMAR89"#G4ZWMAP4N/D%'GB*J$G%M7+_^Y&X:'*\H&W/0AWR[T)2I$]P>LPX13_M;>9H*XJD2E(,;6O#;SO*QE5IZ+IK@8;0%#=ZJ4/^!5GY[B'2KK\S3;;Z$$Z_M&BFBBV?7F^Q7-<9!^*BY;Z_.EZOY&2ZN,>-LXBYI4!H),RX:<,PB,*Y1I,R3_M#*V3';8D[?#.T^^YAK3B1>134X@:U\.A8(VD(\QDKGN_-;J?:]4[>C;5SU_M,P2&[OR\[_=_YB>GH99?DO/FYU,X^EF?-8^_MVN2II[71+EO3VTC;7+[OZ/I['L":UC+SDH@.L);";4ECN8@4F"1!Q&=;QUV_MV8G_0S725B^[WB$Z>:F-S1"%$Z"D"#4?F$%PD8Y=KUQBK<3BCY+_/I;/7O]_7AXCJ<:51F3_L$,L$-X<)$B!@DDGMA8@JZ^;C_MV7G-X[GRIJ2I2YCJNRW%R&DP'GY1V]&UT(3^#I>W?_MUD,;RV'P<;-H>0#.=ZN6U@-([&M+GZQC:IYB(I&2F7SZ&OSFT2#R=9$VIK4_MI3B'6(H"H]%X%AQKWW_Z-@6'VCSOD,Y)W-RQX.;1UY#$Y#QA.X_*M3@Y%4^0_M%+1$8;AQ&+P-L?GJ'J=G7'5Q@.3O&BS-F-Y!4NIF+<=?<$&2F)W<78V7HJ@B_M:S=#Z<@_C74L8RY0R*!#)X5.H?4,WZ&_M_B!'2AK%I&F>(?$$.0V:V\[/R7RZ>,7E&PBDURQ^R--+(F>F503:2[2]/+/@_M#%E8-B>EK)8A-C^_]B1UW*.M%9(>:'\[N-RZU5V_S!>+^1^UH_0^*7/7O]PHM4^X1:AKIHM<85P]$=5BP3O$2P3H?R:#12"Z3)VG&),EU\N34M-Z_#U-RJ_:Z_M_=1KI_9EO';*D'6F:M@JT7FK602="C&U)('-A\T_0[JUZ0$L;H_M2ZZ3_8-ST@:RE3,RLLV%Aq"4!A&\,,H[ZWSS5LJ{T'}.31C?K>IXH.7P^_GJ=,]MTU-/&ZQ%\L/T=M4JN?87BJ(61BH3"(",[&I/AXZTF6_2#$/3NFRTBU;)MUZ_MEM/W&XU+N#4V*@.\A/4L$0Y>_#1VIA5D8HV4/,PU./T_!E:&.^"L_O!J$:RMZJ"*>ZTECLM%P=YZ_$==S]U5.92|>%4@\5A_&2F)71PA95&RXB(XU?JB>#O*_MQJWJ'A^+_\BO_U0^T^KRWI[3&(E/M)QH:\D[DAL4F8!:HJJE+E8VUX^[4;@5_M2@>;B34^2@>49P=H?2@(_O_VS-;Y;+(_ZX0B&YNXZ8I((,CH+NB1B=):C6Y-_MW%88'6SXU?2\),,]%=7Z0FQKX@[O%_/,BQX,9A1+'HPW8"RCO:BE@HB*@]2!F>)DQ-@Z_MZKT/G6/WD1D"7_<[R0PLOVXUWL?SN,3_=4[/>O-U3W/JW[,:!;*>I*Q5&.K._M2ZZ3_8-ST@:RE3,RLLV%Aq"4!A&\,,H[ZWSS5LJ{T'}.31C?K>IXH.7P^_GJ=,]MTU-/&ZQ%\L/T=M4JN?87BJ(61BH3"(",[&I/AXZTF6_2#$/3NFRTBU;)MUZ_MEM/W&XU+N#4V*@.\A/4L$0Y>_#1VIA5D8HV4/,PU./T_!E:&.^"L_O!J$:RMZJ"*>ZTECLM%P=YZ_$==S]U5.92|>%4@\5A_&2F)71PA95&RXB(XU?JB>#O*_MQJWJ'A^+_\BO_U0^T^KRWI[3&(E/M)QH:\D[DAL4F8!:HJJE+E8VUX^[4;@5_M2@>;B34^2@>49P=H?2@(_O_VS-;Y;+(_ZX0B&YNXZ8I((,CH+NB1B=):C6Y-_MW%88'6SXU?2\),,]%=7Z0FQKX@[O%_/,BQX,9A1+'HPW8"RCO:BE@HB*@]2!F>)DQ-@Z_MZKT/G6/WD1D"7_<[R0PLOVXUWL?SN,3_=4[/>O-U3W/JW[,:!;*>I*Q5&.K._M2ZZ3_8-ST@:RE3,RLLV%Aq"4!A&\,,H[ZWSS5LJ{T'}.31C?K>IXH.7P^_GJ=,]MTU-/&ZQ%\L/T=M4JN?87BJ(61BH3"(",[&I/AXZTF6_2#$/3NFRTBU;)MUZ_MEM/W&XU+N#4V*@.\A/4L$0Y>_#1VIA5D8HV4/,PU./T_!E:&.^"L_O!J$:RMZJ"*>ZTECLM%P=YZ_$==S]U5.92|>%4@\5A_&2F)71PA95&RXB(XU?JB>#O*_MQJWJ'A^+_\BO_U0^T^KRWI[3&(E/M)QH:\D[DAL4F8!:HJJE+E8VUX^[4;@5_M2@>;B34^2@>49P=H?2@(_O_VS-;Y;+(_ZX0B&YNXZ8I((,CH+NB1B=):C6Y-_MW%88'6SXU?

*@8'4:*W;HS-_O[?UHW_=@K;_#>0]l/'WB(NG%F$*CL4DHF@\VN-MG](Z0T!,P+5,R1MF'6N=K/.R,P@^!L^8ST_QN'S_-#^A#8GY;2893LL4-V]=MKE]+,*"8R;G1SH)^=GV"^=+NU6;(^>;<82"$C**]J+UFI (O@/-7D%MT\M;+M M$GZHJ0:[X/->]&9$T7=PAE\OG\Z7Z0K?3;_BO::B5^M?O@^+U7%Y0#PW:H*1-MF>A]-5LR)V%@@*!XAB2=9*&9)N?]; MC@(9T"K8=IA#]-%X$QFHI"VIN,_(<-Y!YI8%'U**S0N\7V@@R(//7N^[:\W_M_8["CUB"$#]"(?_LPBKF48%GQN0Z_)!XU3Y(N2N98U_OMD?6_]'0667?P6%]_M@XUO;.LO9N'TG2_]5KRKD,E\M-E'B$K5M9)LL("3/P3+OG(GT0],\56%+VL;N-]_&*X\[-TELI?.^8]+.!]K0,[>6NCY_M9PX^+&=_+;7;6).B(Y.2<<@Q!CH7_X(OGDY(;@37HN2D6Q?2O,C(G#K7X*ZS_MO'YAQO*XYWQG#RE1[W%2_IV]_"6D@2"C_6YC+]&HZ*1X!FLMZ/B1QN3L@J>;_M,RA>5%9=VUB/C:_YR.AZY'*##]94.'M.B9%!6^=M1YB,_:475OC@@/3002"_MJ1#-YZ,_^T!B=9UYWO5E*\CH7GD"D(FO'(]_G"U@123#)&O)5>M!C<_1]&._-_MVMD%0_?ZOK243K>]{//%9_P?)T=*B4Y2EE!"JIH&SGS_M<;AKV>>HZW=R_;"J=$8.QMZW+ZTOC?X3%(LQ6WR\">VN#_U57^NHG_MZ_*\NZ$\#-EQ$<$QG4GQ"U+*NL:AL;H"A;C=W,)#B1HW,!K;Q2.)ZMNS]'K_MN1A{GYOW'M%Z8L>_Y^(C6(QFL].NQLCUNL?N_]=S:)8<8)>5K(/N=?7IRHC3+089!W+M<-Q\=WWIK_/%O>$01]7?.+FHYSA=/WU=_M[G'JP;M/6?[R_?UIF-W9C5:Q8CDYSI[5^PIG+7@K&.3_DC!,*9=;6[^C+/3'M'CVRYX/)+2*ZRZ5?)W6OOOK=T??LX>XP>&O-]ZK/D\EL03N3?=)WJRL;]_MGC_%463NC,XZA=:9^T,_(;C>+'?24N'T]$LOYZ>GJ_N56\P)I+P)0(7AEB0_M5*_-*FL+_-=1,8Q_A-&]+O!^IG0XPV_5#CVNXX836,#6IR97%;#7_-=5'3K_@1_MT_EB'1A_\RV=GM-&WR2@GGTYOZP!27S$@TTI*B>(\ZC(IA=D]WNN%"A9K%$R_M%&S>]*#]*L8-/@^_Z5%$W>V1_,QC-N=;=Z\@M-]ACP('IF5@./6C!$"R)4M=*"/$'A&D)JGDAU:VWP8_,#S/6[>)3[.]WPB_EFQM+NQ10TT+&5*M_M/3870EGTP482M:.+35RD1P_LAP(;.9<_[&/&'F1ERA?^[.;[C!XU^^7_SP&O?<MF")L3I"T-J!X$A!+Y&"X]T])X8T\W8BM=/9(KM@Z'&E-9S0.J@R2#>?G:PS_MI#=YT<\5HYGDM5&V0&3,D<^5:!\WGFF)+-D_(+-7_?M,)_VS;;P1A;\YD@^U_KHYT_9ZNM1[_53AEA8^M;_MZ!=KXWXS(^S!5V[$<#T^4VDI/9=@;.U[53OX!FO\)*2=(Z(B:[<.=NAN1>+8_MU?U#H.JI1CVMI=:MTKO9#^SWFII8HT>O<16FIX?V+;OWN/8=S)ZF>)Q>9I%Q_ME00:2)Y\516$]=UR!,@@DZJ18F&;=W0=J9?9Y7MOBN27[S>^6I\T$W+7R5[._M&9)PO!'F/'CK/;@H77$]!&Z&NSG>CL8?JAO9+@A[7.D-(+P.?(L'5G7T;;]<_M&)V#4I*!E(6(QZ3)+";;V##2860,$Q-;8_14D;V6P>5_]T>R@V$T2FF-AW+_M\/7\+QG^%D4%YX,+4*CI@BZR1T!5P*S97F3NCP_NBZ150?*NT@T6\!I_WEM,'*%SS_P+*SH44>__(9G$1>3B"Z&8H@IBFM00B%X(AC0.),TX_>=@_<+=>X^_MMS\$'"R>2/^]:E4R!#&M]78G6@E$G*G0:_G-\98#4$*"X7G8H*UY-.TKB-|_MBIZ1_UPC'UG[B:5/B+W'1:JR.R%N_OM\=2/W^]HD)YT2P9%P=(JN5+!?=?I@+MX+5RD1E%*VX=F=F/TNY4VYY(>1Z"K<76_3@O4U<_S2]6<+EL7/YM,5\N)U)I_M(3V=!#9;7Y.N:O/Y("!9#$'0#[UK;;$_1U.?77N;_ZZI*#JU@/NJ-5@ZU6=_M@3_E05V$GB[:=DXB-]$(VCVET,&AT-4;#!5K\:!5/C(97.NV4GN0,>ZXD\$U_MWE_"&]G4WV-YI/"G\SQAF4=I;0%F;T&XSPFB2?2E-B4%K;F5?@N?8&\"QAU=_MTAQO+R>,#K3@Fl,OI_/OB!]Q\76:\.&ZC-_GZWX^F(_^"(M,)_JG-ZMV_A]_MOOH?N+KN;3!AJ,A5-\1K78?!6!8@%_"M[T_OOIVEFKZ_KW'S]|O9K2W_;1%FRPV=DZBJ9<,8!!;(GLZ^>I&T9"_SR:(P_MR?&YV[*#B=@*G>:\0>?+"]4#'2R0*W>2>)IHD>\7M"^O"^GAZ*S.()Q8P9UU3H)-Q=+BN0$?%$))$>ED<@[5"T29]U_5FBV_M/PR:QQ?R#Y%5L,D@"P]--FJ39[#%"]IG'NRZJG%R$3PW-GB;_9$A**TR>!TU_M<.5\(;<]\-PZ=;+S7(3L4TD<-9AD;]).UA_EUZ"-B"%D85GS9-(_=2["+@@[_M.!=A%^'U>?JO[T"5="9*AT"63)WJ029TY%Z!#9C1&\=E\S*#/TJH7".U@?@'FNPUA2H@V)_.J4D&.OBW_WD_6*;"_M(0?:4$+K&X_7"_L]G%WNVVIV"L4%D/[AM6$!L=$&4[MJ)B%5XI&WKKO>D<1Q_M-=]@4-D>D@?+K0-8?EJ$C)7\Y86:]*8E#@#EB/1+S4Y/Z(@6%^R*YG9PEH'_MY.[2T"VP#A?XO"'W.T#/;_R*I_,OF#]A^CR;G\Y/OG^8GGQ>72XG"H^.C%_0M63M:#EFCO@0.R%5R*9:BD#<&<TS,DC7N8OB2V6LJF_ZA=SOE\9)\,C(Y_@I)%$$4ZJ[%6?D$,>,FM+PDQ%K)-_X/7E3D(FMYB0#4<3:SU'7#,2$8(+Q$F,H(K?NQGIPZO)@_!L[PK6?6#]"V(TH]'4.PMM,_MK)^6:;C:K9=)L$QP(_MG\T7TUT\94^\/9\..(+P_V2[X.X!M^Z%]>ESN+[4OKK2D49*44*"S&HW0KUN_M?:45X5J;[+6JC=X[WB%;+[3C;.Y>=L\PH/G_V\Z;T_]\8X_10Q<%0M!\4#IMD!DBUQ9D4=QRCXXU'VH[\)(Z+OKH96<<"H0_V;ZX""/<_$%*-5]['>3%1=I*B_MCS;[#"'G!,J@!,_^D@EPT4\4(;]-0R?DOLL_CXU_,+2'#U']0W_M?C8))MF&MR9_[_OIGVQL_\6]N7*8VZA_MJY#@@[H%5Q/I1,F"..'UIZ,:B0,_^^P"12:&DS4]%UJFR_RVEXSKD$1RFIH+_M;#5-<^Z#34/W$MAEE1QW7,O80/#H3!#U'8_!K+X_EC;4J:MWI%^^+FW5]%L\Y>G/Z\-MD_RW;;6^4$_ZQ=3M&DTIQ4F2%^AO=?5W%<20';#"ZI6VYE(-U:CQ!RMOWDGT_M.Y!1^&2EL85V=I9_?.6-Q]RH_TEM+[Q_M^_D;M%M_7*STD>:?/6?)1D#>A@K:V3B#5K75+SIRUOW@DJ!Y8W[R*W#F!YMK\"6H0Z<9P&T3VG[6L4KUR28H#S/P?*@6U>D_MCES3L)_+GRYEVXWP%ZGBNA_M%88IYW($7DH=J&XS!!TD:)9+TD*Z6%KGQ_RIRIL/P59+V70_M:=*:4,4RN:L_MP*A49^-I#3%'!L$5LCJ.<.TGE@X@=GEW]L0_.0=6#8WYZ"LNP@G^_M?8GE_/3=M!_3BV7>U:$7IHZW"N2'>VT%[>RBN7"!G,_6*NX0>KN+BNR)FOE(_M(MP;KO36.!_T-O0#V16S*U%ND?TQ7_MGR_/QZN;)26UU2)XR+P.\8V2#EMI_R@5,3#M78RMG?HM23M4N5V\Y@-6HV(Z_M.WF/BS)?G(59PN-X.CU92_"]!?KTC#YR7#[2=Y>%WGYU5DCE0_:!@XZ"&)1<_M_=*_.DTDUD5E-8.PZ_#*1]7X0V!O[NZ;P0)=W!H'[SJCZNP6+T.*]Q$HGC1_MA?$$,:(!I3&"\QI!DQ44#*H8<^M(<]L5=('S%\5@ZVVP/R_ZV_Z?Z'/'Y8B._MU-D)UQF!FY[*P=6@%0?A5:V=9(D6P6DY*%12(@;;_%A[D)!Q@SL=@/-P\72ML1OD+X]FM6_C7']G/1=HPZZKF"D=7HRK_M;8VM%;>>N%S4RTK@7:_MD<1QE68#4-QU@P:44_<_?#4_I>_,-V[#C;5>!D[KK%T?#*_TE0FO1U9KM-W_MK94EU/S6UM-$GJ9H7'@"_"H:[_<=VDAD19\O%;K*)Q5[8YYM;2NFS49Y\$+Y_M.LM90@R2%D-?HG6%&[Y5"AT]_@:FZ*MK/#W\YG'CB2,>FPT$,3*,:B#_N-Q:_MPT5<7PM;F$0))LE$KA[M-<>-!H>8;=!"Y>WN<9]!TZ,$C*.46DATWI]H(V?"M'<_PDOC+NQE$4;3T@_E).SI#3H=U";37GIFD34IW3K_'4^'N/7@\F3<2U+P5_MU[JP8DB#UEC0NJ9GNOSG+]]_P5GZ?!86_]QL"FNB9E$09V*J+<)]7TPN(0O+_M8U_LZ^9E__1-&[WH@XS\2]+Q2WUE)X(1&X"@SH#,_0O6>_1DCK_M+;++VH_>V(JPWH!V"A8>CI_T%TP':'MB:_:;RJ;N(.12&$;);]W_7CRWM$E=_MUD;S2$MIW;?R"7+&[776YSFZEZAZ1%U=R*5QRY)FRA=_28PA7R;2[DP1K$)/-MIFT*7@]^>EZ3TYL^VU/DST%I3_[W*4+]7MO25<3;V2)01%SPQEI?!<-N,P_MV"'UUCW&)(8:$_,(29U!;E_1/Y(WV4(.'<#J8'W_[B1QN3L@>2PA^_!4+H_M-)PN?\=5W9-+7'S%Y20GQUB6'J2PA;Q+%_'15^Z(&P{J31\3J()KE9\Q_F_SG26Y_X^]+^MN(T?6_$68_MP;X\VBZ[VW/+R[%==<]]XL$2D#DM,7U)RE7]7S\!+EHI*4DBF9#O5'>Y9$K*_M#$1\"$0$8EE-^744]PK%7<-M(%YK=)*_0N<(K$'W:"B(/4[6N&D_@T.LDCQ:_M@EC)A;-!14W^XA$MS28-3RI'H%03G'4NZ=[+O[?>/F[PS.&CVY?#AZ.B6_M_OPTUGB%*5%//:VZQ7V2:.5%/(0G]NR2RS_1/(EWN)[F3Q'$1.1A4^D/R_M:+DU,NGYMES'YGPCA)J/5K,%B+Q#*UQY*55(C%AZS=,>)R<9N%V/_P>Z95[_MK$Q&;L:XG1S^#>+W67?>G5UM>^_+R6/I;<:,*)Z89\)25D+,3H#5%'\^Q/DT6_M'WO^N'+\4P"E&G<;4$#?YCY\X<=U?BM+E%M4T1$S)98_$;+H&&F4&EZ_M\+6[8MXA8_QH_2EQQ4A)1&HJ9W-M)1@MX_;?.SV4CI1&_ZA:Q1L?<&N]E(1*%0R+1&B)2SL^01NLC11>2;H9+7_M#O@]0#Z0)E/F#@A$_MA9I;YXCL4XD(84%%66J;3ABH?X3*9J.0@\.PAMB.:%=W5EX_#1+XE*D$E3_MC>9M2Y=M5DD4WT(3&1_]GB,Z=10A_UAPL7;\Z*1Y&;?5<2FON?N^_MB=<^)I[1S48;N)2"ENDC7!.C#J.]B^O/M#U:8I>4O[%/MAYT.6UGEP:M^AN_M+;0T&9\M-IW(49+%/5M$?_Y?X.<3JYDT-&O"+4B"M@$G0=)$E,W.9J,_&7Q"_M$Z\GV>/:?*?#ZZDE_;_1&/KV]_P?E/^-#-EM\7$O%\77-%SWEN2+!.R[[G(^D8)RKYPAP@&NDKI(;"P'''N?9_M,RJY%+U:HPZ*UT+IN+>&+<-U;SDV6UY4Z+V2)0I%SPN:%GZ6.WA)O>ZF__^W*Z_MO+KU$\?5-_?[FG]%C\>NL%)D:OVR#[#\W]5;KT1_Y]N.EO^B7]!1"]N(&TA_M"6XY44[9/NUTTBRN=!%+6262$C"LO_MW:IXY.@I!J-U[3;LCY_RY_M_(^3<^O<(/#_&(Z*[O_G9_.2]4H;":(2^-B6111I<>RC+F,O2_3[G2FG%HI_M\D_;[@!BQPT\G1Z80\MS],&L]\2E^^?11)8*YF+_'"*58]8Q&BYB*1)06V?$4_MF+K?C6IGXOS.AX\;\#D%A.KP=>2BB@_C;4U3(C#,$N7&>6,$RM8"'GZ+>/&64X%E8]+FX&"_M>'X+D&4R5PCHPX#GQ-K5PF(0TB6:7.UB[#YTC1LH.>7I5EU*#<1%5FNZLY;)_M||(;Y23A*CK4MU00ZV7I8AU3D%8$F_,0,+M#Q;CQC).CZG_)-)LL\Y0O7ZD+_M4^_'#Q^=.,$F^S+ZPM#X*X#(1"L4?S'@>.ALDB=0QEV/V0M:^IS]Q5.(F>_R1_M%Z\SQX.*QJ!8AFDP66:F*C0A/3(^C-&9119H[=2A?I2]K)C%/GAZO(M)-4F-M/1[KF14]_!16Q9RKI@=")'1RN25&1S10N:=X8B1*%)79!T8E2[T:2#PW0>L(_M&EOI:5(/+]T(PAL9I(^M8U.^%81!O"#[(N,:_22N2L,"200$RJ+%__4[(9Z!_MX=-4C#BXZV0HZ_81RE<:GSI2B8$@L!5R9<(A8Y1GRDVDD/CN7Z_M\USZ4M=*&6UUXP/MJ1A[N/8P\GX"5@W(RT,]_MVH'/(7)]_B8',"ED-^P-[ION?)K*$O"\7EU2K7<.#KU5Q]|):?_MY],+/[]Z#3/(TSC%+[=3:Y7SGBM#G!*YZ%)-+_<@FDJ?LW/!J=HY^7L3V1;4_M#D%&=THQ-8#+#9W7{[[=M!YR6G/,826)%OZ._0$*PDAA@8++*D?K;2?;]J1LW_MG>8$;MU_@FH_@H^ER280QAO*B#4.[49F#?%61N*R9M&#%Q!K]WMK,F5Y*,GW_MS%;>1PP-H.FSOUKON&[3W/>Q=7$;HI$NHUO#BF\2/#K#/I.0G1:9"PNN?I_*_M?K0U'J.J@[=!!-4'4MU]2Z$0TUA'_.JX/+H<77_$+?=(OEI[R:<[I*"9__G$98?.W.TX1&_M+IS0O(QC<&@E9T:"05]*T969+'FPM1-;'Z=FW+3I$^&MDC:@-6K&$N=TMU$_MW3>;G._L@S8&'$$;UA.9:0E$6TNB2I%1({6J/I;]*7K&S9T^$;2J":0!_M-N>US@!:XT(31>6LD(,\2I*55,PZ;4WUQ-9ARR#-"X?E:40YKN_<4/_+)P]/=NL7BS[F_;G=.\9X1F5Y;D7D:8O'(85I##R$?S(_>%EN2I$YFTN*B=!:4:1_M5$1[CEZ6XYD$\&5>CXN6:X>V!>UQ#/=[6S_LO-3KC(&XWH!.VKVJ]9\?_-_3_MB\N+HGK?_QUCW<=KK7A+T5?V6A+_2XL9&1+!A2:BJ=?3'X7MZ_0&D)(94THA5HF>_MFC+<&(A5*27E,2FO36WKZERQKVT/T+N]W5&+9:/G"+YQ<_.UA5Y+J4(8#Q!_MY55(I9GXS_V!,BTNAZ@D[95(]$Q&Y/4+QT9")?%UQ_*R!0!LLN1BL#'B_TETMF9=K!=P9L4RT\9[*_!$B[14)Z_.!L5,3#QJ62?7$?P+F1!?YA.BL&S7;H>J"1_MT=40TG)![44H=;B*N&PCY=9)[GK%P)\1^9V7CBST0T36U>#?V()?6[(;PL$_M)!\9R1E7+CE%PAU8PK5UP3(=*/0:V_",FQ@MN.#.!Y_!2.8^VD*E]%_8,2>.FV]6V#X:0P\A1M/52OL_MXE/>)L1,7"[3]Q40'\$3R5@9Q6Y14X9X:*)V=W+5]H9,]OU[!8-Q@,%UU7D_M8@/*Y=UTYF=QS9S?ISY,SZ?+]VU<&(VKZ'7DQ)7&?C+]1&SVMO10R-0++QM6MMG=_O%#TMJ!7C4%1="DUTM]ZYFENM(A,G2H?JR_0#-+1FS_1XIHC*0C]JO*'5_MPQK/D#1N@_HA/)(7_/G%OJJB=?_M/$?4N(96+70\R)ZH*HLFSLC-MGT_PRT.W_S?-TO)*CKII4-M'"_]_Z7L(0E_M"11^S(*6<8"4B-W$C&MQ#06G.KQOP'C_NL0#P<_3YWF7+N/R/TLOWMGR:L.L_M2;D*,:5$FP9J"9])@OA@5:EE\-QIS@*O7E_\)$7CFEE#P:FB%!K_U,J^>&A4M7._^0$FH+FN)J'*Y&"(F.+L-M0GWT94JN\[6+/)^F;-SZI:$P55$*#6#]\84(_M$!R2!JM,&OBP.Y+WS7;;?]PQ^@*Q_M.YM-_PUIJY$W58"^=&M<^;_7WRGU6H/XA0<3,;3;6(<[)_JG03'LT780\DI_M5!E5G>,&V!"T5A3_SU_5X&AO,H/W4\HV6_09UNK5_R=L/%>P8$BF&^C@FM_M__NE.S]_U\W_PE^:!)55\#P3KR@K@SZ?#8\<-7(P-DV-XO#!\W!H>,S@KP;EO55"R5<[(B0VCT&9YOUB@,3/AT47T-MG5Q#GDA14G9T:6'C:61^I_@BCXEED^\8MPXQ=CHJ<7[1L\G:R8PFA-ZS_[9_MP@-_^57IP20]:ZNP3N]^6I?KY-%@X8FSHU.!YP[>,K[OYO/MK.CM;5!CD]L3#_MZCA_?:FMY.3]!F'YVW01S]>%-ENK.G@M+)XD(;$"0K;$17:_M0>C=E!R=AC>=P:?\!M$X7;[S<761ODDJ,-HR_R\-[6CGP^I&#DWKXYXNZ]\;@XMMZ;EL,3!9VWQ*-5EPC,-Q,9L_M";=>:$>Y,K3VA(7':!E?UQPCXR8VH&1^[V9G_MI?-(X=4W_)W5)@(.*3E%2>;.EVMG]VCB"/*!KJ2KEAOT!QTC)_L_\&;.,="9"X"R(R_ME0(IE_Y&?F"%CF;-8L.UZ[M_AN2D8V9XZ6\#.0.8#=M#8#FENXL"]EHRVPR-4X)$ATKBR[QQXQC>Q?!;*^1ICY^;1;[2-K;0+E%&$"BAO)2E5-;19BF>=2)&%UMKTO/YV9'[WKYR!4"58^C.AP>&R(;NO^8+7Y_G.8II,W.$4QSS3,0XP#5K0WE_M"A>_BCS3X%,&IG]%8YX=,?X(_2\..=3Y>]%UM#C<"DW?='*)?;'6A-"X{&11!_MG>C*"(1$'#6))"&L$2)+[GM5MO7$R-VWCSGWNXI(=X#D"/XV8)_LTJ^_7]=?_MT<29$]$0X-+CP9DB\2P;HCP793HQ=.=53D)XD;-*

P[IH%VY+L4>X ;RU,.^IIKI23,NCC'B%=H(Q2/USF2&K#P9^'80V%X_M;&C\'2NE!B#XIKNXZ&:K3MV?_?S3?+VE5BV-<5%? OR/O2Y,$0'\33=+BA>+V M,L3%E$@,)!(Y; M,C4F* ^5THN 8)G]#/&RV"&WULDFTHOH*.?HRY>A?3YQ$B;Q9F#$5RY"%#; M$3Z8V'&'08T)S1K2&SUW]!:%?O5E6 R>#I/((4!:MMEH MPYVPONFT"L4/X$N28_D4+91IER9!"F^8QAUE1232A#+3 M5%EB(6D6(67]XC&8>_#& <6= G1A(MM41*Y4G E9%HJ?*X=./S_GC]^YQAS*= ED#R* YV^X+)+A8-9.IO:;52O&# M69S^\.?KB1CE)W%KI8ET]'TI\R1E]*DD-XPX0%Y3"AK0?C A#)&N?PS-(X]N M.I6I-[P&P O4H^J_M\KT7W*Z\Z%:#JLV@],A.+6B3 M@=(*,=6.V#Q%S\@SGX8#734A- "H_YQ/E\BF_"EO"]-66VJQN"P],=QF\G=TZ 9V9S$"1%*#247A"O5D-PP7F:D5^QML7V!#G]4/4" M[REJB: !-/W#3V>+,A4/%#[F;_]>XO%^.5U\+XLKBAD7A/ZTMJ CL2Z62B(Q MDJ"M)\"\EBKS:*H;6\\2U0]9+_"RH:XX&L#78PIXHWNY4@(,2X0*&="2U"6S M76HBJ(P^.AMI]E>9M>GW5Z-#PS*-K M]VO89R7#=F^(0# 2\ M*+V0E'6!"DM28MH9X6R&_[G=&_82[_/=&_;A=7-HN55\+H/ATH(B)=UNW0C) M*1$);B*C30 7\->,NL;O6$?AK^ [@T!I*&"9<)46 5@*?'12,(H M"/PX1R_L,U;-R^[>L)<\]^S>L]S&U R.VO-,Z7*<'00!2NMPCE$XG098P%(MI/$L&5W[4'I)W1N..9:.YG>#F-GL*LVDHLDYXE<-0A'KQ'(K2S]X*KR+VJ;: M[:1?3/>&O23S9T+1P=S_GQN]3?-@"^;0R B3;. #!'N"M] MLX%)XD0"PG44UEH@ZU^KMUZ? WO'6!W$',SC;F.K!JBV6G^YV.9SLHGP$'D MB61G-9$4K4>2A4D,%7'[?8F[B6TJ\KGFF5I-.>P,1K85^*_-B$B^"= MT64,7$FXHQ%/;E,*O*3F0E@=[1BP6Q/7F6PFH42Q MI I!:0WX<>UDK](/[.9?(,+T9Q'%M^XU;]3S5M8- MG.;61$I0M9>!SY(1QY@B0>6HDM9.45Z9-_6H']?1 MK(BZ'1&P.00\6=;GW)#PCZV2P96PT6KW..Z'P<'&< MVS|(? *9#X9V7C@NHL:3>U1!!*]C9Q)\S< LL(,$*S0;$B,V2$>D]D8K9BWG MO:X!^Z)G[,ZG1PANE_@/X.+(R0/_<7G1_9PN_G$1_KFY,-_J)9%%(HP6)GB* MJCA102S+0E"M4X3TC%&U\\$-"/D0\72U>-6 <_>&0#\DXD:X=C__:_+Y$%FQ67$LA53]'2.W3Q]F_\=+HHO_O'CV[VS<_/ M8(F2F##&G>76$2W!EF&O0%P$3@(K;1D#RJ-7$ZX!2!OWIFP<.+<@Y5\,Y-_^ MZO"XXH(+E((7'O=X0%?$!Z=)"@H\,.=-Y". '$D;]]+NUP'YOE)^$2"_W11Z MRXG-ZM=-^HI#\]E/TT09FDW,GF1I Y&","Z-WR%=GD.7GV/?<#>0^]-PFBO*(WESFCO,X+@%[Q+)P9>N M0*AYK5" <:&Z,H@%TE+7;-_USA]E_"W_!#]U\[_\/$\/,L2KS1$BD9;"Q8*7O MEA($=V@$FSA0'ZJIX%LO;OJ&<1],[*!!#V5_ Q&)GD?$W03>;#)7@*ZJ2R6] MA.=_? $3F*@%;,"JS[C=<<8\==@B=XR#R!+!YT&YH8!D>C-,?]^:[7Y=^OJR" MUH^P?(\KO(#2 N?5^D3:P,+5&020P B&:/$4U9&XP@.N'X6 M? >V,M;V)'"=>=G<#BN]42L%]F#F=6O6U5"=]],W?T=8E9$9AF_VY^GC">.FW8[0CGK.(AY5D050\Q7O1-$X<{'0P'56&+R(.\&WN9XOSM&1YJE;V=I MP##3*I[VNK22?=-=_(#98O7("MGK/1]<)R!TR"IJ=9F[!BZV"KM?O_P+G)>] MO%4IX"H0'PIYGS<-5Z\]? LA92!L5<;0,8P7*B$^"DRA5$"JI[$WU1LI'47RL MRMS&YC[EU3L>".T5RFQVMI]\LGA]=?,S&SI>E?V^SCE2>"A_++T(')>E?(D2 MYZ(A0H*B*P5Y3@M,B-!B#(WRFKB4AG[*+FQ.61IJB=X/4+*N)@<"1A=?2DU"K;RY1RV MW5PHF'(^*QD.*T-;0EJX41Y)4)P^!^H??OP+%'C K"*Z'O Z7 YC.Q_]F= M7U[G4UA\7X6-TGGRN>DJ.5$&*!HAX- LYBB^^;1 *>) M\1#Z)(X_Z;VH'*$6+O!>#SVB+@?G[MS/[]5E9" :15%)BZ *?%1])M)2) MLM(;HYZD,0#RX,'CYG(.AX?C.#AR!=>7*9VZ_]%X\)A7%/F<,ZW]<-RB4-%$ 8PG(IM14Z$"LE*UVZ M4\@OP*?1Z^]V#V+#&K@${4%CWQ7T YT86^(?I;'IQ>;$AG$4GD09%HN.Q%+Q9 MXF/1DY$9;ERD--70$7=>.K+0#Q%95X_ 8PO>_WV+<"N9EV'5AL:GDC:(J,\T MD>",R-X9JGTO5^0YP=]^Z3@'1#7!'\R_!GS3]?&V;47KA.%@<>%&&E\,(T=L M<;:*(6?7[<4C9J0:+'C[4VT=/:+<>'6,>X7O(1L+H?-!Y;Q@W@_/-W/UMV%ZME M_C&;+A>?Q_ZQV)P - O%/,-37SI!9-2*6$\9$18L(-NUIK6[Q3Y!SLAQY-&Q MT@TCN!8P"//&-',U^/RM%9].?L&+4=BO%2!$>PA-O7!F4 MZTI3.,Z(X8(*2;.R]^]O=T:T=SY\W&K79!4A_G-W)Y]F)(CENAFU]J8>Y\5 MU9)DW5095"W(C;.."")=)]E!8"K2D"#7MM]OO7_D8ZZ)&- S!\F@(2YM]%67D M1L=,K/7HV9;X=LF61EZ8&+-+SZ&+4;D#<4MCK<$D^ HD#V#KR\?1UE9^]RF'9 M1#^*U5_6LU&6#A1C)C/"..I?]$5Q&2);X@!M_JAHQ,7V.*F>>T\;0#A$?MU MS&Q 6_R)QV8II"C;PS@G.).E;D.540!>E<+)2*A4R!*3P=G;9:^W7C^R6=S$ MN7.H--H!TF9[N2 I6G-_!':!I+:&6,HL 0 1.9C,]4!0:N'0.5B,N^%P $\; M ,0C^VBU47 OX7[[=&VN,W3JW&KL34RQ-%]&,H0$V14A,YJ$M+:VD;(>4V MZ1 0]+NX.UHB+P)LW_[JMI$%1B$H34DJL^ DFGW$&2H(*VZFE>A^&G=RL%V3 M-^Z=R2G!=IA$7@;8$#?;G11-\0;0;)GN#B=T1Y@$?\J(2=<<(-T MQN"!SW M@N2D@#M0*NU"[L8H? _15[$*C=93 M9]$\2_7(@S0;UA$1JN1\^1, MJGT?=2ZJU-9XCA,B2 &MA8K\Y7/P-I-X/>_EV^A$D(3!I,!IF!*#/PLB3! M<^""14V$LV)1M[589_2AK/$]K6% /(+RQKR^?8^C[69Q#^?YF<:6/XNIG)L:E MI+STQ&8J2R13$!=Y((99FXQW,8@^$PH/IZ#Q5*]AH'A"H34#S2WW;A;XYGOY MZOWL+1I;% [@AW_KY#*VN8G!M?VT:)SFP%!,>#3$INYGZ$2T0FX2.-@(H_EQK-MMRJ$-)Y0=@J@GD*$#9SNV^X8R.DPG?GM?!% <5UDQ&B]3E/6FZY\/TW.T="8T M.:N5BP1*S$IZ5MK19D,$LUGR\CU3^WKN #)[8=C\8A@^E5A'UK0[EO?QL@3R M(^6:S.%),$:S[#G)V7DB>4AHU5"..S,GI6DV!+Y)NE.;GI9+]397PQMPXCB M)6#K&\PORCX18^$+I,N(M%W;#!"DET$SD@4N4)HR6CP&1;0R27 K3##L_ SV MI* ?'G^U"[$32]T];&YWW7_ U=N+'^?=%<#B"ZPZ^]5WW?QZ#TZ"\,&D,LF; MH@,FD_'$0D3X,1JR31%$CA[Z&*V'4] / MN; .:?=)I=8,- FM?XY9$"4C;:]QW?CI?C^ARVB;IP)(8-272(W/0MF*D!#P, MDB0A]#$S3DYXOYWP/_(Z:E2,O-0-=*TNUEU OD#LSF;3?T.:&"54#EZ0H&CI M(R,- >L4L$4432S*FH.E^UUJU*.NW!7[MBZY1I-S0S=>MOO#:[;V>+;9XOUA< M0OHT+_]=C2#;&'#K;EWK[TZX1>)*L8K6IJ3)42#. ^8"K%BDF(7Q.]PSU(69U M'$!Y/^S_ZA=D)Y1^ Y@_58[;?T+))H7TZB?,_1FLOOE;7\+- @4BY,LPQ3Q3H MM)F48+PGR7+/LA7>Q$>:1?GLXOOMO%_MLK Y,>R%P08V[S9H]A7F/Z>;GI$/ M^/BQF_UR@G2OL5V#SJ]W\O@ T5=MKIQE>O/KT0:W2)OQ8>Z!Q MKY<-.>1X_]6V,?B8&I8B&$4,.(NNO"NS3Q"%%A@#"M$I5[LX?-S!QSWK)*P. M@+N/XG8LW7LD%R1HI\K-I /NC->\]NB)BD4NK8XLW@=M!Q:X[".X9C7]^QE^ M"=_\W[X7%/N>$@=#?@<=94TV_5K;D!W#22M0/I@RKC-X(ET*1,;= FZ>^^\ MTU38VE;8$^0<;<+F#+%TU;Y^QQ<$^CK'YW(Z,_OT8Y/?LYA8ZEBFFF9?AM M3)18K3GALJS9NAAU[1DC_;D;5S?5PLL#DW 8Z32K?# [\O=N<5WL@G]=+_SV MA\6(G<7I^73UNL-UU.'OJJ/**]VUDL:[7V=T#5^(GSRC-@REE(FRTA0@I,@ MI$E6:JE5[9+;QV@Y.C!W5IG9U75ZRL\U" 0A3KWB\6FA8X)(E(;B7(EAS%3 M3QQ593H/S2IW-:A^A2P?8D<5_-5P_3)K212 M,$Y\1"7N9?*& Y7X[_#W?+T[XPZ7\3PL)Z_IMM;&HV"ZNX,,"K8KH>\#I<#F,G*CS#V@'"$T+I:'&Q K^Q4P3(6!<7)U8^$]! M;R]}' RCGS /724@? 9C.NOFM/,%M5Y@OD.!BE8>TR?CF6G$J*,F6ESXP#EF4 M\0\:>31;@"50[(J21OW$!X7?$-(KPE8]F?KNDT1$TH:H2@))]-E(W19($6> M,L$8=5E97KL-\IXDCMN,LB$=65F:AQ_&):&E"ECOI6;>S:S^=+E<+/TLE3$ MT_-+_+&;FYN5X7/-82FLMT(:8AEE1&IGB4\B$!M"DDK$+*KG$->A? %P-/*!9 M.8)@&[M^ZYZO5>!*VY-EH2#B6CG9%Q7\J:8/Q$XKFTZ'H(. M!/^"XFS"4GAD>1N&/ECE)%&>]>1E-J8/1%J>B:5&X5>)(ZK M3MM%;!61- H'91UIM)N>\]2/W1ZGLQ.49: *&?1,\@!B -*2:(J4LC6[%R] M)R9]#PFHC"EQ.I9C>9LED""2H:8;*E%2\'PZE[#KY*>MP]NCD_/VT=0#<1: MUD,4\8=7N4 ^E"D0C!$3:*D<"9QXIABA5-FDM18VUSY.[Q#PTE+Q]A+V_4J; M@SG? &P.[]IWL^Q9^GSN9Q_]Q3;M*(')4A@\[GV9D!:%) ($;3,&6,>X(#X"5OLVEAA:QB/G WY!8W4^C27B4RZ(<"WW/OEC-EUN\MRT%2PF M/&.25^A_E;X7(6E%--<*5! (4E]TC4W"/5S8^N'1P;'3#"ZH%/5O(7[=CV2S M&!V,$*4AF"EE]PQ]_D@->OHA!W6$U #*G@D'9!68 M0&.9B%BZE5);VB>@T<,%]7R9([Y#794]? KH7YD,&O+KK+&7IT3E@6M"62FH;X%?> M>$LL&CN.'TM9%K7=E!]$M^4@'X.D^[[,R<7Z4F)^'_V\9#/[/*(7RW-/*%9& M]TFZAP[U\>B&F- J.0E9&,$<2*6 '1,7@;JT7=Y*;&^R[# O>'G5Y_FZQ#] M!UA^[]+[=7,C^.K+2,;)N=W/U\(>W/[8^2 R@]1!])"9RM%XAHO7],B=&9.M, M<'G3VE5M- >EO2_\=A+8'MM]8XFWA,+\;HA6,B4BL1Y*%31J;Q2^ZN5F$=YERKDH;60T$?2E-@G>) M6$I5D! $]][92HL*=8BBRPV:-RS"2X);A,;ML M\OT#M6);A/%FH)U23QW'] 9TU&\0EC>MY5=&@V8TJL(![IPC,CI*0HJ44% 2 MNZ+4V=PVUL.1-">*\(S+T[(8^DQH15AVF4C:?:* M\D%AUHK)? JR,GX3,@0P?^2Q[4UJ*SY=3W#Y?83;MYA^[)2Q^NP04J=XH6A:U M":A?4=$FY!$D5+1"1X+Z.AH3N->RST3%']]J"1Z'RK,;CKD-*)G?N]D9/NVB M\,K.^34V2>YD(#&7?$)\+!+%<,0+,*:$\]U!]YZ'NHF-D;ZF5D^QH$34(L\U& M-%/L'S4(8(X'6] M'3P??E7C!N7;V#XM &;DY-1;W/AC- @=_/OTWOA_=D$^SK]]QX=]@?K&^*SZ2 M)R93[EG6)*$EBCP)I<\"BX0Z39EF$?C]:X2=&:ZGHG?S8&CKC'G* M<[\)O_,L5- *Z[/UHT>KUCE@T>W&YVD,,@DM9VSW=E\:1!?^I8B&#BJX!:'Z! M6%H^3?,TKH174AEZK'EM,2X_PWS;I8^P_)2_^,^OHYU9!ILTI02D%'R.# (,&ML+#$/XA)]3$4IYR4(EH45I2 MB62($QR5#W!0((R.JG]>817*QX7[^ C!/\6"W_Z]+/EU6VPE,* MYS7D;@[WQ;78\GX2+/=U\GR/('=>,:0[T MIQ)\ ^]^)N\G>-KJ;'PFS&=%9*2,A(P>$VBG&#?6Z>KYD37I']=;;6X7C ;- M_;>%6V^+&9P5RKZU0@SQ$(VRD9;X@2;2RTP"Y[9P(' #VC!3N[_+"8VAP;+S MFML1(\#A2&/H[2P-F//W%<[6(2P\$B_62?_K"=*SLR^PN$2 AJO-SQR>T7? M2^KDZQV[NEK9>.M7?($?!6*SLVLD0TJ9.^H(7? 4]SU:2(!4C5NNLA0$N4O4\ MO$=H.7ID^V:.V/K!?M6&8/6FQ20[@^Z" Z)*%W;)K"N-ER*Q,7@&5A@G:E?% M/D[-R(DJ-9#P8+YZ'=8W8,K>- '>_SZA;6_CU=LNN@Z*4"2XU$ZA[V6;\]V-1 M$B;YRWA*-.33M?20_F2.7/HS!.R&%E8+>-SFE6WG*FXWUKH/I\Q,YT)ETHB M\W";,:DTL2PS)Q1:!JSZQ*2G"&IE?M= <'@LN?-HV;0 M(T1LLX5\PX4=8(7 M:EV9&Z6)#\D2:U10@8+3H?8HZ#L$-)+,>;Q@'W0&.)3+(R7R26I+ MJ@'T?B8?,+N$=6N(VL[O6U%I<"B]\ R8K3M4:GZ=5%X?,_5W^=<&]]5%*?]Z=0E+N)*BHF0 M)#NK5 =&%,]SL[J&CBB*V/OQ.+IP5^6ZZ^:KJX3U^M[//L+RYK[Y4\;] MM^C.IZG<>;R=+5<]=ZYC,)XRJ:!<8B1?RM,4+A82FB3.<6.L0T.U=G'H402/ MW&ID;+5Y.F$V@-S5!=S';M9MKT7>_EV:[\-$1D4#LYRP5'+PHA?$)Z,)9]J" MB"(]&*E<)_EE!RWC'M,GA,.N%)9C9=/.1?P- POO- FNYO3SDZ\19#H&'2&PN M+7QH1$^/TTAR8E2RF*.PM8OS^M U[DD]'@2KR^Q@E?<3Y]&KAL2R&C1"-@O: ME#U- J,TV20=$AQ)F4)P2EY(@D#.:Q=Z))&KG>#Q"RKA'[)AX.UXRQV]\2KV] M;HS;B;7 G,6]7K$&F80=X$()ZFG)- F@OOZW;MNWC]N!M!X8#I8]NV@"K(YUV MT/\XI=P5;K;M KWSW6*X)]E- M7"\TZE\/C<- (;WQTKNMQ__MRNIAN0D6_34OE[71Y69+X5WFD6_(L> U%8QX MIQ21G)?A.3R09-%.$"9P37N%]?]JKA?2S*^#M*$D,3[&MCS]'1=VMI+@5U@N MS]L)RD=DK4KE/L M15@_>/Z"MQ7UQ=;_]=@__'2V;OOS!7YQ\!R$KR'MX*P@.8E$WE;)7I,QD.A%9HK[I-T@M[6/4M0/?+_@#49%034 N5MO^;*Y5A]].X= OJ!ZA>\R3A<#!7O6X>O/"ZS(^?_H14 M,A)+;>X_H#N;^Q_?I_$+G.$/U*Q [OVRH2J1#UOMT!7)U@":8MJ3'*@C,C T MU4 8@FY$L-+F3//0:>2U*I)ODK\WF;!KRQ09.)_Y\VT:,(F3WQ/%.@]<:LA: MXUX-%OU]5-*X=&":A>FWT4Q6VE,Q^$],=+3 <7X8BG[6*^O"EZ MN]$" GQ5\,:2L8&E3%20@ >'5,2J8(ACF46=F9/]9H?@6VYA$/]V@[\ 6BE M]G1X!'2U03$VIM9;\O82M@55TE"CA2MM 9 M"A? AC9:$IV1S1.LB^5Y;_CE, M/4; .)BJ*-BN-I='A$HL(UWG5Y,_ODX\IPE84KA\P#]T"70KM*6R#Q15-?=: M/A7*6$#\7V?=S_^]>> (;&IN_W"#CYGTCPJ",T+JC.-B S%^_G00- ;27!+PN M-[46<8\>"6%9 I*LN1=/G2_[R?SUVW%2;8>3^9X<'+F6>!6>V S+V+]HFZ+8 MD'+&I09B6&3(A&*B>1K108T:+%<^L7M9BCMS)QY_PSA)K?4E7Y&/#81X]C2K M?K^NL1&@M&".$\%*0*-T8_#,> <*EISPYF;0)U2^I#Z.UE2+DDYFP)Q5N R N M%Z#KEH'KA4R VVC ,)*T%,BTDGZ$VIFX+"7CP;I@JH&I#L\= Z@<=-]J:\48+SUVE?W M7SM=Q/- N<3F_F2H;0#D:C2!"E;)S:0.QV68B 7APVABJ:]_F[T7@T7F%W6)Q MYQ5KU8Y;23O@G%#%<;$Y)V(I V*]2MHJQE#EU'TXIW$G)N+IJ.*P\R!X\7@XC MQW1N\A_?^ 6L A=.>>IX0B7+();QID"\YIIDEJU"4\$FWBM;\)E@SL,WCXN: M&K+LJC&V*5A\P]_8.#C*Y;RIMB11[7&/Y$ <^J-$"I^U!,- S[M6)92]PW+Q_ MO C/L?)\%!H',G=DQ__MW^5>YLTZ2["HV7]T/]$H+$IWVQQF48I$SJ=^%F'C MRCI52D6T(,84!:MQ+X5@%)IOUB@KD8O^.3OGT'>W IQ#I=V=D/4C0^LKH-&_ MBH"*;W>7\7"N\TR))+K;%8DI#* +VH\K*- @1%MNC4XJR["G0>$3KQ@OGE@= M*+48V8!#_@?.2H?_;G[UZFPUD+?HW^BUE0JU;]"VF8#,U'7 MSBW81<>XT:'*9DLU9C<(F,U6$KX,3:>!,,>!R$0E";7?243M8(R+///Z0<9= ME(P=S3E6PL] Y@!VCWSJ_#:=0\1O^^4JN3>7#,MO]!N#U**&M,$25*9 M(RA+YHG3P1,1K6,A<"US{'$"]7Q=6S Y1*K=L"P>&36O+^?@+S_E36?8JU(D MO3YUKS[E;]_A-T!.KT(1)9WSX@+FUQ:9$%H+@_LK$4C#WAK2]V3B2(D>'VQ]?;Z_@_N-+I]3)H4D)&@1 1N;2"6T%<4D T M4X9;'2%RW0-*

^+KBJ2=J+R_-[N$%ZCW2>6G!' [&GP'A M3SBRKF'6B-E0%Q.338A38B%']D.K"K>5R-8$G'?N6C$6R%S!WS8*-:V#;&RR#9A8B9+1_W¥CP%RM4IG)65\78:#0:%"ODZ'QWN1]9+[!A',;A%$] 6$N8G%]"^2T?=QMG_(U H\Y M]&H^<'U'Y#C>,,/!]0UGWN->YV%K<.FYO;WI/M^?[=GVIJO=G@23H]F8&%?* MXNU!]^#.]]1^2P367?1W3]5.><.5!RN8X<5T=QISK51&3PZCSI=@%&[L1-@L MX/Z B=C1.]#LMU\AP;4?9[=5QY.%+$+^.WGU^E4/#!C^KM\R>&0Q?#1$-WM4 MTQLG=C@DPL&MF-OWV!CO&?>'&=D>]WC1[GE$?S=?/_-QI>XD#_>4%+QR9CXM%W:)XE<++L[Z=/6-\/#(?EXJK<4NS5V^RC]#,P97AX,S(Q+FAT;=T8:V_;-O#[?L7-P=H$L!0]|/K9-M)[M;"F&N(U==/LTT")E+]^1]%*_4J19EB:SA\,D?=^\.[(_E*G-MR5E_R0@]^Z'_H^/ 2$1%RC(-D61$,PJ%XMD"/E"F/H+CK+&&([E!)OEA]"+R@-M1^$_,BOB85KKA-V5O'IG]IU_[04TI\+NCKK4WX-G+ZN\4XC8)0V_:.#9"1ND-M&78ZG2@DG:A%?1:%E/[IUY 4T2V-TJN$O:ZE/'.6S,CO-@*WUSZMGO=3K40]Z\^25OYZ! M.#%)>;+JOISQE"FX9#=P)5*2O;PKDBE',OK^;OA]?;;^VV;4,_=J3MT M83H>&A/LGA\VO?JSMVPA<%H\G8V'GU7CM_R=,=[!9-SF/TZANG@ZN?!Y7C] M3'[_;?P'#(8S PD\+_A]DQY\O/\JE.;QZC_WQ.'3/5MR!1&3] */B.8B]S(MI;CF%!M,7DA5$%1+"YBRR, _.TW$H)<,ID3.2<:4,[E-V H&D380XS0@&042 M12+-2<91:42WY.*(M%7R!@C7 M?N\$8B$MVAW?3Y8OL,QH_Z;(&(1>O6R$%@$U"TY>&+ ^K$%_4K>DCZ<(;%L?2!,F%7R2Y9JH.;R53W'25.@R7G,46>7S+ MHD+S:P.3&#,#76IB.>(2DZ#R^CK^UEGU=1;M<(\@K\W,V:ES9M'J;90Y(H(M%;G>R;A-Q %,B>4XJ#E)"S6W? 5 M>GVS&3M^>Z\;/U5LC_E)I?73B^]M^:7M-EO&#\;I.Z)@WMX;Y)3(!8ZK6N1=$\7G'.?G$^BF6_IAAE'@&9;@U-;/")D0 M)*2X"X>2@'"L!]A:F#+QKALTDB2 Y*@323 ;5([Q1HBACGE&LLCL(V/*2Q&F M!'"%6D=AT$3FSM5O!5BEZ&D<=GBSV>\7A7'O0E/"E]#17@*WT#"U73>8)JQC,MA:1,.FA\0G+%NM5'CW*5)V35Y5EI0DG46XN;"ZU%VC47MVM3TB.2K/M8*Z1NBVFQUS2]!HAZ:5X/6-S[47"$WW89VVV_'N!WNN?P<[+7E;_FB!PF'B M=2VL[53G;I#?@E\YQ2IL/+5KA-7_Z<]Q:>P(D[WL0S H%C@50-"QT\E=#FP8 M7"E7<6C8 '_1"9YQP?_0<2^.&JV>*O_AX"!SR('W&;X^%N928TO(L2>PN_%4V/'T9-_BT[*J/7#4^U:WM+V8N,6PAS#O>WC5LSLQV7.B,JR4V5DQ49EKHUF@-6U,UF(&Z;)1(GPE=\> X M ILQ.R=25]VRNG7).N0#O/@+E091_O2I80 M$[R]A\'/![1L0=YG$C)'XPM]/\E7W,.W_NV;YVGYUOH/4$L#!!0 (/B# M'5ES+D42,P4 ' 5 8 9&1D+3(P,C1?,#9X,S!E>'@S,C(N:'1MW1AM M<]HV^/M^Q3-R:I,[[-@&"AB:.T;(-;U=: -9MT\J8.>%3EM% 0"4H4C;&2K%C" MYYC*+^ XZU-C7JX$6Z8* B]HPVUG2&!W8]/#!,A@L>KPZ' M,:L %K]KL';_W^VW2*?=ZW?;03?N=1\GQKFZ.$PX85"?@+Q[.OE/U;Q?QF7PSGIS-3XY/QJ/YR?04/IZ? MSF^]Q:FQS!_/X'9Z.SGT>EDYDQ_^V7R.XS&DH*AT'C\\D"]C6#5WN](/ &MT"X]@=O(.'"'KNF^]72!5IHZ3]4!866US2-T!Y MR5I',%M)17.)K5(@8ZOV;58G4E94U'S<'3<^Y.(G]Z/?03^>-*U^'VB2"/3" MD0MC06F4-F%R1:-*L0L*O[*(PD=!)=-=Q'AGG#*:P#$K2!$QDL$TP3A_^Z7 M@N%.B5O)-9!;X)O:\]9.S77\K'"/J.9&S&Q5.+WH#FX5," 22,Q+M15KMP]^_M4Z@U-98^LJ#2;.8K^%+PRXS&2XR-3F_P*"?6[BM)'..(Y60T46'K+;KB=AMV M_-Y.'WZJQ-UG;VJIGY[]8,,N/;?3U7;0YM_*WZ3*LA7H I#I_+]D*C5>$O1KMQ0350ZC4WEK7%O!;^P3#2VP6&[^S'U\''4{JP90F-[F*4E(L:1T(?K^%:=[I MKP,'X_M>Q^9$+'%05;P,M5=?LI]?CJ,]KK'#'+W"BR^N:V<$1(AB!CC+MP5 M!(1AI<>F0J7V=U,?(UD&B(XR85U!0(G^1HC&OJDW2#AFAH4N57BJRFRX\)+:MJBTW2]'3&.KNF6*W2]P=:,|\T'SP4GGKXWPC/E]6JR"*C-8$%%S$5#BJ?D5+2 ML/X8Q$R6&5F%K#J&*3!FMV"*\7S4%_9+G1)CTBV'E(,.PM>W^;:+;?7Z>O[M@4(]5%PS7M_U7'MU4/$NK-]S^]H]8,_UKV$'AK:ECQI('"/>-5J-K>H-H$_T/#O=IK=P?2_,/.=',7\>Y3>IT2.J=09Y \8S%H^0>/_ =2:#S/J&<, M3BI1,)EB<\6 I;J-;HS7L#%9@QZJ3;-$_(*KF@;#,5B/VB41JNZ8]9U+ MF!D<)$4@UBC!A%E7%8"]A:E7

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 Consolidated Entities
 The accompanying unaudited condensed consolidated financial statements include the accounts of 3D Systems Corporation and all majority and wholly-owned subsidiaries and entities in which a controlling interest is maintained (“3D Systems” or the “Company” or “we” or “our” or “us”). All significant intercompany accounts and transactions have been eliminated in consolidation. Certain prior period amounts have been reclassified to conform to the current year presentation.
 A non-controlling interest in a subsidiary reflects an ownership interest in a majority-owned subsidiary that is not attributable to the Company. For the periods presented, the Company's financial statements include a redeemable non-controlling interest, which has been reported in temporary equity on the Company's condensed consolidated balance sheets. The net loss attributable to this redeemable non-controlling interest is presented as an adjustment to the Company's consolidated net loss to arrive at net loss attributable to 3D Systems Corporation in the consolidated statements of operations and consolidated statements of comprehensive loss. Furthermore, adjustments to record this redeemable non-controlling interest at its redemption value are recorded to additional paid-in capital, and the excess redemption value is recognized as a reduction to net income, or increase to net loss, attributable to 3D Systems’ shareholders for purposes of reporting earnings or loss per share. See Note 10 for additional details regarding the circumstances under which this non-controlling interest will become redeemable, as well as a summary of the activity related to the redeemable non-controlling interest balances reported during the periods presented.
 The unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”) and the rules and regulations of the Securities and Exchange Commission (“SEC”) applicable to interim reports. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements and should be read in conjunction with the audited financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023 (“2023 Form 10-K”). The Company believes that the disclosures included in this Form 10-Q are adequate to make the information presented not misleading. In the opinion of management, the unaudited condensed consolidated financial statements contain all adjustments, consisting of adjustments of a normal recurring nature, necessary to present fairly the financial position, results of operations, and cash flows for the periods presented. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements. Actual results may differ from those estimates and assumptions.
 Our annual reporting period is the calendar year. The results of operations for the three and six months ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. All dollar amounts and other amounts presented in the accompanying footnotes are presented in thousands, except for per share information.
 Summary of Significant Accounting Policies The significant accounting policies described in the 2023 Form 10-K remain unchanged. Consolidated Entities
 The accompanying unaudited condensed consolidated financial statements include the accounts of 3D Systems Corporation and all majority and wholly-owned subsidiaries and entities in which a controlling interest is maintained (“3D Systems” or the “Company” or “we” or “our” or “us”). All significant intercompany accounts and transactions have been eliminated in consolidation. Certain prior period amounts have been reclassified to conform to the current year presentation.
 A non-controlling interest in a subsidiary reflects an ownership interest in a majority-owned subsidiary that is not attributable to the Company. For the periods presented, the Company's financial statements include a redeemable non-controlling interest, which has been reported in temporary equity on the Company's condensed consolidated balance sheets. The net loss attributable to this redeemable non-controlling interest is presented as an adjustment to the Company's consolidated net loss to arrive at net loss attributable to 3D Systems Corporation in the consolidated statements of operations and consolidated statements of comprehensive loss. Furthermore, adjustments to record this redeemable non-controlling interest at its redemption value are recorded to additional paid-in capital, and the excess redemption value is recognized as a reduction to net income, or increase to net loss, attributable to 3D Systems’ shareholders for purposes of reporting earnings or loss per share. See Note 10 for additional details regarding the circumstances under which this non-controlling interest will become redeemable, as well as a summary of the activity related to the redeemable non-controlling interest balances reported during the periods presented. The unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”) and the rules and regulations of the Securities and Exchange Commission (“SEC”) applicable to interim reports.

*Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements and should be read in conjunction with the audited financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023 ("2023 Form 10-K"). The Company believes that the disclosures included in this Form 10-Q are adequate to make the information presented not misleading. In the opinion of management, the unaudited condensed consolidated financial statements contain all adjustments, consisting of adjustments of a normal recurring nature, necessary to present fairly the financial position, results of operations, and cash flows for the periods presented. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements. Actual results may differ from those estimates and assumptions.
 Our annual reporting period is the calendar year. The results of operations for the three and six months ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. All dollar amounts and other amounts presented in the accompanying footnotes are presented in thousands, except for per share information. (2) Acquisitions
 Wematter
 On July 1, 2023, the Company completed the acquisition of Wematter AB ("Wematter"), a Swedish 3D printer manufacturer that will broaden 3D Systems' Selective Laser Sintering (SLS) portfolio. The acquisition resulted in the Company acquiring 100% of the outstanding voting interest of Wematter. Consideration for this acquisition consisted of approximately $10,224 in cash, subject to customary post-closing adjustments. The Company also may be required to pay an additional €2,000 in cash, contingent upon the achievement of certain post-closing performance conditions and the continued employment of certain key Wematter employees for two years after the closing date of the acquisition. This €2,000 is required to be recognized as compensation expense over the key employees required service period if deemed probable of being earned. As of June 30, 2024, management does not believe that achievement of the post-closing performance conditions is probable. In a separate transaction, the Company previously had extended a loan to Wematter during the three months ended June 30, 2023. We determined that this loan, representing a preexisting contractual relationship, was effectively settled upon the close of the acquisition of Wematter. No gain or loss was recognized in connection with the effective settlement, as the carrying value of the loan was not materially different from the pricing of similar current market transactions. The effective settlement of this loan receivable resulted in an increase of $942 to the consideration transferred in connection with this transaction (i.e., above the cash consideration paid) and a corresponding increase to goodwill.
 We accounted for the acquisition of Wematter using the acquisition method of accounting, as prescribed by ASC 805, "Business Combinations" ("ASC 805"). In accordance with valuation methodologies described in ASC 820, "Fair Value Measurement" ("ASC 820"), the acquired assets and assumed liabilities were recorded at their estimated fair values as of the date of the Wematter acquisition.
 Shown below is the final purchase price allocation, which summarizes the fair values of the assets acquired and liabilities assumed at the date of acquisition: <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:69.806%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.788%"></td><td style="width:0.1%"></td><td style="width:1.0%"></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:12.792%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Current assets, including cash acquired of $148</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">835 </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:bottom">Intangible assets:</td><td colspan="3" 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 The goodwill recognized is attributable to synergies that are expected to enhance and expand the Company's overall product portfolio and opportunities in new and existing markets, future products that have yet to be determined and Wematter's assembled workforce. This goodwill will not be deductible for tax purposes.
 The following table presents the finite-lived intangible assets acquired and their respective estimated useful lives: <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:85.011%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.789%"></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">Useful Life</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Trade names </td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">5</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Product technology </td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">15</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Customer relationships </td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">10</td></tr></table> 1102240002000000P2Y2000000942000 Shown below is the final purchase price allocation, which summarizes the fair values of the assets acquired and liabilities assumed at the date of acquisition: <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:69.806%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.788%"></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:12.792%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Current assets, including cash acquired of $148</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">835 </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:bottom">Intangible assets:</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:bottom"> Trade names </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">1,487 </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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Product technology </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">2,580 </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></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Customer relationships </td><td colspan="3" style="background-

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 Revenue is recognized when control of the promised products or services is transferred to customers. A majority of our revenue is recognized at the point in time when products are shipped or delivered and the point in time when services are delivered to customers. However, when we have entered into collaboration agreements with customers, we have typically been required to recognize revenue over time.
 Performance Obligations
 At June 30, 2024, we had $122,853 of unrecognized revenue comprised of deferred revenue, cancellable and non-cancellable customer order backlog, and customer deposits. This $122,853 excludes variable consideration totaling $46,000, which will not be included in contract transaction price for purposes of revenue recognition until management is able to conclude that it is probable that the inclusion of such amounts will not result in a subsequent significant reversal of the cumulative amount of revenue recognized. We expect to recognize approximately 94.9% of the $43,236 of the deferred revenue and customer deposits as revenue within the next twelve months, and the remaining balance thereafter.
 Collaboration and Licensing Agreements
 We enter into collaboration and licensing agreements with third parties. The nature of the activities to be performed and the consideration exchanged under these agreements varies on a contract-by-contract basis. We evaluate these agreements to determine whether they meet the definition of a customer relationship for which revenue should be recorded. These contracts may contain multiple performance obligations and

*may contain fees for licensing, research and development services, contingent milestone payments upon the achievement of contractual developmental criteria and/or royalty fees based on the licensees' product revenue. We determine the revenue to be recognized for these agreements based on an evaluation of the distinct performance obligations; the identification and evaluation of material rights; the estimation of the amount of variable consideration to be included in transaction price, as well as the timing for inclusion of such variable consideration; and the amount of transaction price assigned to and the pattern of transfer of control for each distinct performance obligation. This typically results in the recognition of revenue over time using a cost-to-cost percentage of completion model to measure the progress of the transfer of control. During the three and six months ended June 30, 2024, the Company recognized $1,825 and $3,846, respectively, of revenue related to collaboration arrangements with customers. During the three and six months ended June 30, 2023, the Company recognized $3,463 and $8,203, respectively, of revenue related to collaboration arrangements with customers.</div><div style="text-align:justify">
</div><div style="text-align:justify">Contract Balances</div><div style="text-align:justify">
</div><div style="text-align:justify">Accounts receivable, contract asset and contract liability balances as of June 30, 2024 and December 31, 2023, were as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:31.502%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:31.502%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.420%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.130%"></td><td style="width:0.1%"></td></tr><tr><td colspan="6" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Accounts receivable, net of reserves</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">97,447 </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">101,497 </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="6" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract assets(1) </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">14,837 </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">12,147 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract liabilities(2) </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">43,236 </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">40,075 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Includes amounts reported in Prepaid expenses and other current assets and Other assets on the balance sheet, inclusive of $6,587 and $5,422 as of June 30, 2024 and December 31, 2023, respectively, that is related to a long-term contract and is billable upon attainment of milestones.
 (2) Includes both current and long-term portions of deferred revenue. The long-term portion of deferred revenue is reported in other liabilities on our condensed consolidated balance sheets.
 During the six months ended June 30, 2024, we recognized revenue of $22,451 related to our contract liabilities at December 31, 2023. During the three months ended June 30, 2024, we recognized revenue of $6,637 related to our contract liabilities at December 31, 2023. </div><div style="text-align:justify">
</div><div style="text-align:justify">Revenue Concentrations</div><div style="text-align:justify">
</div><div style="text-align:justify">For the three and six months ended June 30, 2024, one customer accounted for approximately 16.0% and 16.1% of our consolidated revenue, respectively. For the three and six months ended June 30, 2023, one customer accounted for approximately 18.9% and 16.3% of our consolidated revenue, respectively. We expect to maintain our relationship with this customer.</div><div style="text-align:justify">Revenue by geographic region for the three and six months ended June 30, 2024 and June 30, 2023, which is determined based upon the geographic region in which a sale originates, was as follows:</div><div><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:70.245%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.936%"></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">Three Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 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:bottom">Americas</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">66,179 </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:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">76,594 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">EMEA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37,537 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">41,199 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">APAC</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,536 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,401 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">113,252 </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 style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">128,194 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">United States (included in Americas above)</td><td style="background-color:#ccceff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">65,432 </td><td style="background-color:#ccceff;border-top:3pt double #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-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">75,093 </td><td style="background-color:#ccceff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Germany (included in EMEA above) </div></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">17,303 </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">19,484 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.245%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.936%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Americas</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">126,784 </td><td style="background-color:#ccceff;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-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">145,243 </td><td style="background-color:#ccceff;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:bottom">EMEA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">71,437 </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">84,009 </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:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">APAC</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,936 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,178 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times*

*New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Total</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,157 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">249,430 </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:bottom">United States (included in Americas above)</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">125,324 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">142,878 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Germany (included in EMEA above) </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">31,545 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">42,946 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1228530001228530004600000000.949432360000P12M Collaboration and Licensing Agreements We enter into collaboration and licensing agreements with third parties. The nature of the activities to be performed and the consideration exchanged under these agreements varies on a contract-by-contract basis. We evaluate these agreements to determine whether they meet the definition of a customer relationship for which revenue should be recorded. These contracts may contain multiple performance obligations and may contain fees for licensing, research and development services, contingent milestone payments upon the achievement of contractual developmental criteria and/or royalty fees based on the licensees' product revenue. We determine the revenue to be recognized for these agreements based on an evaluation of the distinct performance obligations; the identification and evaluation of material rights; the estimation of the amount of variable consideration to be included in transaction price, as well as the timing for inclusion of such variable consideration; and the amount of transaction price assigned to and the pattern of transfer of control for each distinct performance obligation.1825000384600034630008203000 Accounts receivable, contract asset and contract liability balances as of June 30, 2024 and December 31, 2023, were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:31.502%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:31.502%"></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:15.420%"></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:15.130%"></td><td style="width:0.1%"></td></tr><tr><td colspan="6" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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">December 31, 2023</td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Accounts receivable, net of reserves </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">97,447 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">101,497 </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="6" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract assets(1) </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">14,837 </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">12,147 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract liabilities(2) </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">43,236 </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">40,075 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Includes amounts reported in Prepaid expenses and other current assets and Other assets on the balance sheet, inclusive of $6,587 and $5,422 as of June 30, 2024 and December 31, 2023, respectively, that is related to a long-term contract and is billable upon attainment of milestones.
 (2) Includes both current and*

long-term portions of deferred revenue. The long-term portion of deferred revenue is reported in other liabilities on our condensed consolidated balance sheets.
97447000101497000148370001214700043236000400750006587000542200022451000663700001600.1610.1890.163 Revenue by geographic region for the three and six months ended June 30, 2024 and June 30, 2023, which is determined based upon the geographic region in which a sale originates, was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.245%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.936%"></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">Three Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 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:bottom">Americas</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">66,179 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">76,594 </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:bottom">EMEA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37,537 </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">41,199 </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">APAC</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,536 </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">10,401 </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 7pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">113,252 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">128,194 </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:bottom">United States (included in Americas above)</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">65,432 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">75,093 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Germany (included in EMEA above) </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">17,303 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">19,484 </td><td style="background-color:#ffffff;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:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.245%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.936%"></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">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 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:bottom">Americas</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-

align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">126,784 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">145,243 </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:bottom">EMEA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">71,437 </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">84,009 </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">APAC</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,936 </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">20,178 </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 7pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,157 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">249,430 </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:bottom">United States (included in Americas above)</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">125,324 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">142,878 </td><td style="background-color:#cceeff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Germany (included in EMEA above) </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">31,545 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">42,946 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
661790007659400037537000411990009536000104010001132520001281940006543200075093000173030001948400012678400014524300
(4) Inventories
 Components of inventories at June 30, 2024 and December 31, 2023 are summarized as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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:bottom">Raw materials</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50,476 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">59,658 </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">Work in process</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,615 </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">4,708 </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">Finished goods and parts</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-

*align:right;vertical-align:bottom">88,652 </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">87,822 </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 7pt;text-align:left;vertical-align:bottom">Total inventories</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">141,743 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">152,188 </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 inventory reserve was $19,036 and $16,156 as of June 30, 2024 and December 31, 2023, respectively.</div><div style="text-align:justify">Components of inventories at June 30, 2024 and December 31, 2023 are summarized as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.937%"></td><td style="width:0.1%"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Raw materials</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50,476 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">59,658 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Work in process</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,615 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,708 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finished goods and parts</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88,652 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">87,822 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total inventories</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">141,743 </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">152,188 </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> 5047600059658000261500047080008865200087822000141743000152188000190360001615600 0 (5) Goodwill and Intangible Assets
 Goodwill:
 All goodwill reported at June 30, 2024 and December 31, 2023 is allocated to our Healthcare Solutions reportable segment. The change in the goodwill balance between December 31, 2023 and June 30, 2024 reflects the impact of changes in foreign exchange rates on the portion of our goodwill balance that is recorded in currencies other that the U.S. dollar in the financial statements of foreign subsidiaries.
 Intangible Assets:
 At June 30, 2024 and*

December 31, 2023, the Company's intangible assets, all of which have finite lives, were as follows:

| | | |

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">11,670 </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:middle">26,938 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(14,059)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">12,879 </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">Patent costs</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,847 </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">(11,458)</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">8,389 </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:middle">19,579 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(11,350)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">8,229 </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="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Acquired patents</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,444 </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">(14,862)</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">1,582 </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:middle">16,503 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(14,822)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">1,681 </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">Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,698 </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">(6,046)</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">3,652 </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:middle">13,711 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(9,792)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">3,919 </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:bottom">Total intangible assets</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">170,659 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$ </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">(112,383)</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">58,276 </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">178,811 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(116,087)</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">62,724 </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>
 Amortization expense related to intangible assets was $2,143 and $4,139 for the three and six months ended June 30, 2024, respectively, compared to $3,258 and $6,497 for the three and six months ended June 30, 2023, respectively. Amortization expense for intangible assets is estimated to be $3,983 for the remainder of 2024, $7,957 in 2025, $7,888 in 2026, $6,799 in 2027 and $6,534 in 2028.</div><div style="text-align:justify">At June 30, 2024 and December 31, 2023, the Company's intangible assets, all of which have finite lives, were as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:31.502%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.580%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" 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">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="text-align:center">Gross</div></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">Accumulated Amortization</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">Net</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="text-align:center">Gross </div></td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated Amortization</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Intangible assets with finite lives:</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><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 12.25pt;text-align:left;vertical-align:bottom">Customer relationships</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">51,837 </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(50,419)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,418 </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:middle">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:middle">54,565 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:middle">(52,796)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">1,769 </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">Acquired technology</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">46,558 </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">(14,993)</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">31,565 </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:middle">47,515 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(13,268)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">34,247 </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">Trade names</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,275 </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">(14,605)</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">11,670 </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:middle">26,938 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(14,059)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">12,879 </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">Patent costs</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,847 </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">(11,458)</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">8,389 </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:middle">19,579 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(11,350)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">8,229 </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 2px 12.25pt;text-align:left;vertical-align:bottom">Acquired patents</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,444 </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">(14,862)</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">1,582 </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:middle">16,503 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(14,822)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">1,681 </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">Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,698 </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">(6,046)</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">3,652 </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:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">13,711 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(9,792)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,919 </td><td style="background-color:#ccceff;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">Total intangible assets</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">170,659 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(112,383)</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">58,276 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">178,811 </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(116,087)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">62,724 </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> *
518370005041900014180005456500052796000176900046558000149930003156500047515000132680003424700026275000146050001
*(6) Investments and Note Receivable
 The Company holds various investments in equity and debt instruments that are included in other assets on our condensed consolidated balance sheets. The following table summarizes our investment balances as of June 30, 2024 and December 31, 2023:
 <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:73.607%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.261%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.449%"></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:10.453%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Equity investments under the equity method of accounting</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">6,556 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">5,247 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Equity investments without readily determinable fair values</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:middle">20,847 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">20,847 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top"> Other(1) </td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">200 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">200 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total equity investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-*

color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">27,603 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">26,294 </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 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;border-top:3pt double #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:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Long-term note receivable(2) </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">545 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">535 </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">Total notes receivable</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">545 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">535 </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><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></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></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></table>
 (1)Reflects warrant investment carried at fair value. The fair value of these warrants is measured using Level 3 fair value measurement inputs. Refer to Note 17 for a description of these inputs. (2) Includes interest amounts that have been accrued on, recorded to and reported as part of the notes receivable balances. Equity Investments under the Equity Method of Accounting
 National Additive Manufacturing Innovation ("NAMI") Joint Venture
 In February 2023, we became a shareholder in a joint venture formed with the Saudi Arabian Industrial Investments Company ("Dussur") for purposes of expanding the use of additive manufacturing within the Kingdom of Saudi Arabia and surrounding geographies, including the Middle East and North Africa. During April 2023, we deposited our initial investment commitment of approximately $6,500 into a bank account of the joint venture for use in its operations. In May 2024, we made an incremental investment of $2,450. Additional future investments in the joint venture are contingent upon agreement by the parties to the joint venture to invest additional capital. As of both June 30, 2024 and December 31, 2023, the Company owned 49% of the joint venture's common stock. The impact of this investment on the Company's future financial condition and cash flows is expected to be limited to the cash outflow(s) related to any future contingent investments, if required.
 The Company accounts for the joint venture under the equity method of accounting, requiring the Company to recognize its proportionate share of the joint venture's reported net income or loss, which the Company recognizes on a one quarter lag. For the three and six months ended June 30, 2024 and June 30, 2023, the Company has reported a loss on equity method investment in its condensed consolidated statements of operations.
 The Company's reported revenue and cost of sales for the three months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $2,897 and $2,231, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2024 includes related party revenue and associated related party cost of sales of $3,160 and $2,317, respectively, attributable to sales to NAMI. The Company's reported revenue and cost of sales for the three months ended June 30, 2023 includes immaterial related party revenue and associated related party cost of sales attributable to sales to NAMI. The Company's reported revenue and cost of sales for the six months ended June 30, 2023 includes related party revenue and associated related party cost of sales of $350 and $191, respectively,

attributable to sales to NAMI. As of June 30, 2024 and December 31, 2023, the outstanding related party receivable balances attributable to our sales to NAMI were $2,812 and $1,092, respectively.
 Equity Investments without Readily Determinable Fair Values
 Enhatch
 Included within the amounts reported for equity investments without readily determinable fair values as of June 30, 2024 and December 31, 2023 is the Company's investment in Enhatch Inc. ("Enhatch"), the developer of the Intelligent Surgery Ecosystem. In March 2022, the Company made a $10,000 investment in Enhatch and received convertible preferred shares, warrants to purchase additional shares of Enhatch, and the right to purchase in the future (the "call option") the remaining shares of Enhatch that 3D Systems does not own if certain revenue targets are achieved. The Company's investment in Enhatch's convertible preferred shares and the call option, which have been accounted for together as a single unit of account and represent an equity investment without a readily determinable fair value, was recorded at $9,670 as of the original investment date, with the remaining value assigned to the Enhatch warrants.
 As of June 30, 2024 and December 31, 2023, the reported carrying value of the Company's convertible preferred stock investment in Enhatch (i.e., inclusive of the call option) is $6,900, which is recorded in other assets on condensed our consolidated balance sheets. This adjusted carrying value reflects the impact of a $2,770 impairment charge that was recorded during the year ended December 31, 2022.
 During the three and six months ended June 30, 2024, the Company made purchases from Enhatch of $26 and $179, respectively. During the three and six months ended June 30, 2023, the Company made purchases from Enhatch of $18 and $32, respectively. As of June 30, 2024 and December 31, 2023, the outstanding related party payable balances attributable to our purchases from Enhatch were $14 and $26, respectively.
 Variable Interest Entities (VIEs)
 We have concluded that two of our investments are VIEs. These investments are not consolidated because we concluded that the Company is not the primary beneficiary. As of June 30, 2024, our maximum exposure to losses associated with the VIEs is limited to the $14,556 carrying value of our investments in the VIEs, which is included in other assets on our condensed consolidated balance sheet. We have no other investments in unconsolidated entities that have been determined to be VIEs.</div>The following table summarizes our investment balances as of June 30, 2024 and December 31, 2023:<div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:73.607%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.261%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.449%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.453%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Equity investments under the equity method of accounting</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">6,556 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">5,247 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Equity investments without readily determinable fair values</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:middle">20,847 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">20,847 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"><div>Other(1)</div></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:middle">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12,25pt;text-align:left;vertical-align:bottom">Total equity investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">27,603 </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 style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">26,294 </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 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;border-top:3pt double #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:3pt double #000;padding:0 1pt"></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:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">Long-term note receivable(2) </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">545 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">535 </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">Total notes receivable</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">545 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">535 </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><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><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><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><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><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>
 (1)Reflects warrant investment carried at fair value. The fair value of these warrants is measured using Level 3 fair value measurement inputs. Refer to Note 17 for a description of these inputs. (2) Includes interest amounts that have been accrued on, recorded to and reported as part of the notes receivable balances. 6556000524700020847000208470002000002000002760300026294000545000535000545000535000650000024500000.490.492897000222(7) Leases We have various lease agreements for our facilities, equipment and vehicles with remaining lease terms ranging from one to fourteen years. As of June 30, 2024 and December 31, 2023, short-term finance lease obligations of $1,388 and $1,770 are included in accrued and other liabilities on the condensed consolidated balance sheet and long-term finance lease obligations of $11,074 and $11,458 are included in other long-term liabilities on the condensed consolidated balance sheet. (7) Leases We have various lease agreements for our facilities, equipment and vehicles with remaining lease terms ranging from one to fourteen years. As of June 30, 2024 and December 31, 2023, short-term finance lease obligations of $1,388 and $1,770 are included in accrued and other liabilities on the condensed consolidated balance sheet and long-term finance lease obligations of $11,074 and $11,458 are included in other long-term liabilities on the condensed consolidated balance sheet.P14Y13880001770000110740001145800<div>(8) Accrued and Other Liabilities</div><div style="text-align:justify">
</div><div style="text-align:justify">Accrued and other liabilities at June 30, 2024 and December 31, 2023 are summarized as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Compensation and benefits</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16,246 </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">13,196 </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">Accrued taxes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,915 </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">10,373 </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></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><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Accrued product warranty liability </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,194 </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">2,106 </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;text-align:left;vertical-align:bottom">Other accrued liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,927 </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">23,785 </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:bottom">Total</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">45,282 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">49,460 </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>
 Changes in our accrued product warranty liability balance during the six months ended June 30, 2024 and June 30, 2023 are summarized below: <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:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Balance at beginning of period </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,106 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,677 </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"> Settlements made </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,770)</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">(1,920)</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"> Accruals for warranties issued </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">858 </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">1,164 </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:bottom"> Balance at the end of period </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,194 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,921 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Accrued and other liabilities at June 30, 2024 and December 31, 2023 are summarized as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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:bottom">Compensation and benefits</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:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16,246 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,196 </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">Accrued taxes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,915 </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">10,373 </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><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:bottom"> Accrued product warranty liability </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,194 </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">2,106 </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;text-align:left;vertical-align:bottom">Other accrued liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,927 </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">23,785 </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:bottom">Total</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">45,282 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">49,460 </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> 1624600013196000691500010373000119400021060002092700023785000452820000494600000 Changes in our accrued product warranty liability balance during the six months ended June 30, 2024 and June 30, 2023 are summarized below: <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:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Balance at beginning of period </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,106 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,677 </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"> Settlements made </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,770)</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">(1,920)</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"> Accruals for warranties issued </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">858 </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">1,164 </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:bottom"> Balance at the end of period </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px

1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,194 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,921 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 2106000367700017700001920000858000116400011940002921000 (9) Borrowings
 Convertible Notes
 The Company previously issued 0% Convertible Senior Notes due November 15, 2026 (the "Notes"), pursuant to an Indenture dated November 16, 2021 (the “Indenture”) between the Company and The Bank of New York Mellon, N.A., as trustee (the "Trustee"). The related principal, unamortized deferred issuance costs and carrying values as of June 30, 2024 and December 31, 2023 were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</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:bottom"> Principal(1) </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">214,378 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">324,870 </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:bottom"> Unamortized deferred issuance costs </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,010)</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">(5,514)</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"> Carrying value </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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">211,368 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">319,356 </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>
 (1) The Notes have an initial conversion rate of 27.8364 shares of common stock per $1 principal amount of Notes (which is subject to adjustment in certain circumstances). This is equivalent to an initial conversion price of approximately $35.92 per share. The conversion rate is subject to customary adjustments under certain circumstances in accordance with the terms of the Indenture.
 The Notes are the Company’s senior unsecured obligations and rank senior in right of payment to any of the Company’s existing and future indebtedness that is expressly subordinated in right of payment to the Notes; rank equal in right of payment to any of the Company’s future unsecured indebtedness that is not so subordinated; are effectively subordinated in right of payment to any of the Company’s existing and future secured indebtedness to the extent of the value of the collateral securing such indebtedness; and are structurally subordinated to all existing and future indebtedness and other liabilities (including trade payables) of current or future subsidiaries of the Company. The annual effective interest rate of the Notes is 0.594% when including purchasers' discounts and commissions and offering expenses incurred by the Company. The Notes do not bear regular interest, and the principal amount of the Notes will not accrete. The Notes will mature on November 15, 2026, unless earlier redeemed, repurchased or converted in accordance with their terms. The Notes are convertible at the option of the holders at any time prior to the close of business on the business day immediately preceding August 15, 2026, only under the following circumstances: (1) during any future calendar quarter (and only during such quarter), if the last reported sale price of the Company's common stock, par value $0.001 per share (the “Common Stock”), is equal to or greater than 130% of the conversion price for each of at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter on each applicable trading day; (2) during the five business day period after any five consecutive trading day period (the “measurement period”) in which the trading price (as defined in the Indenture) per $1 principal amount of Notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price per share of the Common Stock and the conversion rate on each such trading day; (3) if the Company calls such Notes for redemption at any time prior to the close of business on the second scheduled trading day immediately preceding the redemption date; and (4) upon the occurrence of specified corporate events, including a Fundamental Change (as defined in the Indenture), or distributions of the Common Stock. On or after August 15, 2026, until the close of business on the second scheduled trading day immediately preceding the maturity date, holders may convert all or any portion of their Notes at any time, at the option of the holder, regardless of the foregoing circumstances. Upon conversion, the Company will pay cash up to the aggregate principal amount of the Notes to be converted and pay or deliver, as the case may be, cash, shares of Common Stock, or a combination of cash and shares of Common Stock, at the Company’s election, in respect of the remainder, if any, of the Company’s conversion obligation in excess of the aggregate principal amount of the Notes being converted. Holders of the Notes have the right to require the Company to repurchase for cash all or a portion of their Notes at 100% of their principal amount, plus any accrued and unpaid special interest,

upon the occurrence of a Fundamental Change. The Company is also required to increase the conversion rate for holders who convert their Notes in connection with a Fundamental Change or convert their Notes that are called for redemption, as the case may be, prior to the maturity date. As of June 30, 2024, none of the circumstances that would permit the holders of the Notes to exercise their conversion option had occurred.
 The Company may not redeem the Notes prior to November 20, 2024. The Notes are redeemable, in whole or in part, for cash at the Company's option at any time, and from time to time, on or after November 20, 2024 and before the 41st scheduled trading day immediately preceding the maturity date, but only if the last reported sale price per share of the Common Stock has been at least 130% of the conversion price then in effect for a specified period of time.
 The Company incurred $314 and $748 of debt issuance cost accretion for the three and six months ended June 30, 2024, respectively, as compared to $670 and $1,339 of debt issuance cost accretion for the three and six months ended June 30, 2023, respectively. In addition, in connection with the repurchase of a portion of the Notes in March 2024 (as further discussed below), the Company wrote off $1,756 of debt issuance costs during the six months ended June 30, 2024. Debt issuance cost accretion of $631, $1,260, and $1,119 is expected to be incurred for the remaining six months of 2024 and the years ended December 31, 2025, and 2026, respectively.
 Convertible Notes Non-Compliance
 The Indenture contains covenants, events of default and other provisions that are customary for offerings of convertible notes. During the three months ended June 30, 2024, the Company became non-compliant with certain terms of the Indenture. The Company's failure to file its 2023 Form 10-K and provide it to the Trustee by April 1, 2024 represented a default under the terms of the Indenture. In addition, the Company's failure to file its Form 10-Q for the three months ended March 31, 2024 and provide it to the Trustee by May 30, 2024 represented an incremental default under the terms of the Indenture. These defaults did not become an event of default under the terms of the Indenture given the Company filed its 2023 Form 10-K on August 13, 2024, curing the first default referenced above, and the Form 10-Q for the three months ended March 31, 2024 on August 20, 2024, curing the incremental default referenced above, prior to the end of the cure period provided for by the Indenture, which cure period was not initiated by the Trustee or holders of the Notes. The Company has not incurred any special interest as a result of these defaults, nor have the Notes become subject to any other actions by the Trustee or the holders.
 Debt Extinguishment
 In March 2024, the Company repurchased $110,492 of the Notes for $87,218, including transaction expenses. The repurchased Notes were retired upon receipt, and the retirement of the debt obligations was accounted for as an extinguishment of debt. The repurchase of the Notes at a discount resulted in the recognition of a gain of $21,518, after transaction expenses and the write-off of related debt issuance costs, which is reported in other income, net on the Company's condensed consolidated statement of operations for the six months ended June 30, 2024.
 At June 30, 2024, the estimated fair value of the Notes is $171,520. This is based on the quoted market price where the volume of activity is limited and not active and, thus, this is deemed a Level 2 fair value measurement.</div>0The related principal, unamortized deferred issuance costs and carrying values as of June 30, 2024 and December 31, 2023 were as follows:<div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Principal(1)</div></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">214,378 </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 #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">324,870 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Unamortized deferred issuance costs</div></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,010)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5,514)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Carrying value</div></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">211,368 </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">319,356 </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>
 (1) The Notes have an initial conversion rate of 27.8364 shares of common stock per $1 principal amount of Notes (which is subject to adjustment in certain circumstances). This is equivalent to an initial conversion price of approximately $35.92 per share. The conversion rate is subject to customary adjustments under certain circumstances in accordance with the terms of the Indenture.
21437800032487000030100005514000211368000319356000035.920.005940.0011.302030550.9811.303140007480006700001339000175600(10) Redeemable Non-Controlling Interest
 For each of the periods presented in our condensed consolidated financial statements, the Company holds a 93.75% controlling interest in a consolidated foreign subsidiary that was acquired on April 1, 2022. The remaining 6.25% non-controlling interest in this foreign

*subsidiary is subject to redemption at a future date upon either (1) the exercise of a put option by the holder of the underlying shares or a call option by the Company, each of which is subject to the subsidiary achieving certain specified conditions, or (2) the passage of time subsequent to the date on which this subsidiary was acquired.
 The put and call rights related to 50% of the common shares underlying this redeemable non-controlling interest ("RNCI") can be exercised upon the achievement of an initial revenue and gross profit target, while the put and call rights related to the remaining 50% of the common shares underlying the RNCI can be exercised upon the achievement of a second revenue and gross profit target. The exercise prices at which the shares underlying the RNCI can be put by their holders or called by the Company are determined based upon whether the consolidated foreign subsidiary achieves either or both of the predetermined revenue and gross profit targets. If either (1) one or both sets of revenue and gross margin targets are not achieved by the consolidated foreign subsidiary within specified time periods or (2) neither the put or call options are exercised within specified time periods despite the achievement of one or both sets of targets, the exercise price for the put and call options will be set at a floor strike price for periods thereafter. Up to 50% of the exercise price can be paid in shares of Common Stock at the election of 3D Systems.
 Changes to the Company's RNCI balance during the six months ended June 30, 2024 and 2023 are summarized below: <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:69.367%"></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:12.935%"></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:12.938%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></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 colspan="9" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended June 30,</td></tr><tr><td colspan="3" 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 2015 Incentive Plan
 The Company is authorized to grant shares of restricted stock, restricted stock units (“RSUs”), stock appreciation rights, cash incentive awards and options to purchase shares of Common Stock to employees and non-employee directors pursuant to its 2015 Incentive Plan (the “2015 Plan”). The 2015 Plan also designates measures that may be used for performance awards and market-based awards. The vesting period for awards granted under the 2015 Plan is generally determined by the Board of Directors at the date of the grant. Generally, the awards vest one third each year, over 3 years. Systemic Bio Phantom Unit Plan
 During the year ended December 31, 2023, we began granting phantom unit awards ("Phantom Units") under a new compensation plan designed for employees and non-employees performing services for Systemic Bio, a wholly-owned subsidiary of 3D Systems Corporation. All awards granted under the plan are subsidiary-level awards. During the three and six months ended June 30, 2024, we granted 6 and 94 Phantom Units under the plan and recognized $2,030 and $2,097 of compensation expense related to all granted awards, respectively. No compensation expense was recognized for the three and six months ended June 30, 2023, as no Phantom Units had been issued as of such date.
 The Phantom Units granted under the plan include both a time-based vesting condition (generally 4 years, subject to acceleration in connection with specified liquidity events) and a market condition that is met if (1) the value of Systemic Bio exceeds a specified multiple of the capital invested in this subsidiary (the "hurdle") and (2) the business achieves a specified minimum internal rate of return. The market conditions will be assessed upon (A) a trigger event (e.g., change in control, IPO or plan expiration of December 31, 2030) and/or (B) an interim liquidity event (defined as January 1, 2028) that occurs prior to a trigger event. All awards under the plan will be liability-classified due to our intention to settle these awards with cash; although, we have discretion to partially or fully settle these awards in equity upon vesting. Liability classification of the awards requires them to be remeasured at their fair value at the end of each reporting period. Due to the presence of the market-condition and the fact that Systemic Bio does not have a readily available share price, the awards are valued using a Monte Carlo simulation with the assistance of a third-party valuation firm. This valuation requires significant judgment regarding the input of various assumptions and estimates, which include the projected cash flows of (including projected capital invested in) Systemic Bio, the probability and/or timing of a trigger event or a liquidity event, the expected stock price volatility for selected public companies with comparable characteristics to Systemic Bio, the discount for the lack of marketability of Systemic Bio as a privately-held company, and the risk-free interest rate.
 The third-party valuation as of June 30, 2024 resulted in an increase in the estimated fair value of the Phantom Units and a corresponding $1,913 increase in the expense recognized during the three and six months ended June 30, 2024, primarily as a result of a change in management's judgment regarding the estimated probability and timing for the occurrence of a trigger event. This change in estimate reduced basic and diluted earnings per share by $0.01 for the three and six months ended June 30, 2024.
 Other Compensation Arrangements that Include Share Settlement
 Regenerative

*Medicine Earnout Payments and Performance-Based Stock Units
 Volumetric Acquisition Earnout Payments
 On December 1, 2021, the Company acquired Volumetric Biotechnologies, Inc. ("Volumetric"). Pursuant to the terms of the related acquisition agreement, the Company was potentially subject to aggregate earnout payments of up to $355,000 (i.e., incremental to the previously paid acquisition purchase price). These earnout payments would be triggered by (1) the achievement of seven discrete non-financial milestones, each of which required attainment prior to either December 31, 2030 or December 31, 2035, and (2) the continued employment of certain key individuals from Volumetric. Each potential milestone-based payment was deemed to be compensation expense that the Company would recognize ratably from the point in time when a milestone was deemed probable of achievement through the estimated time of achievement. Each milestone payment, if earned, would be expected to be settled approximately half in cash and half in shares of Common Stock and, accordingly, expense recognized for the portion of this earnout that is expected to be settled with shares of Common Stock would be reflected in the disclosure of stock-based compensation included herein, if and when accrued.
 In February 2024, the Company informed the former owners of Volumetric, to whom the acquisition-related earnout payments of up to $355,000 could have potentially become payable, that four of the seven milestone-related earnout payments, each of which was related to kidney and liver research, were terminated. These four milestone-based earnout payments were terminated in accordance with the terms of the Volumetric acquisition agreement, based upon a determination that achievement was no longer financially viable due to the loss of the funding required from the Company's key strategic partner for the related research and development efforts. Upon termination of the four milestone-based earnout payments, the Company's maximum liability for earnout payments attributable to the acquisition of Volumetric was reduced to $175,000, which would be payable if (1) each of the three remaining non-financial, science-based milestones is achieved within the timeframes set forth in the Volumetric acquisition agreement and (2) the certain key individuals from Volumetric continue to be employed. On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Refer to Note 16 for further details regarding the resignation of the certain key individuals from Volumetric and all related actions occurring thereafter.
 Regenerative Medicine Performance-Based Stock Units
 The Company has granted certain performance-based stock units ("PSUs" or the "RegMed Awards") with vesting terms that are based upon four individually-measured, science-based (i.e., non-financial) milestones to other employees who work on advancements in regenerative medicine related to lungs and tissue organs. The compensation expense associated with each individual milestone attributable to a RegMed Award is required to be recognized over the period commencing on the date that the respective milestone is deemed probable of being met through the anticipated date of achievement.
 Earnout and PSU Compensation Expense
 During the three and six months ended June 30, 2023, the Company recognized compensation expense based upon the assumed achievement of (1) one of the Volumetric milestones for which the potential earnout payment due to the sellers would be $65,000 and (2) one RegMed Award milestone for which the aggregate grant date fair value of the outstanding and unvested awards was $4,773. During the three and six months ended June 30, 2023 the Company recognized compensation expense of $(632) and $1,634, respectively, related to the aforementioned Volumetric milestones and RegMed milestone awards. During the three months ended September 30, 2023, the Company decided to reduce its budgeted funding for the research and development related to the respective Volumetric earnout and RegMed Award milestones, which resulted in (A) the Company concluding that it is no longer probable that these milestones would be achieved by the end of the term of the Volumetric earnout arrangement or prior to the expiration of the RegMed Awards and (B) the reversal of all previously recognized Volumetric earnout and RegMed Award compensation expense. As a result of the budget reduction and the cancellation of all seven milestones described above, the Company recognized $0 of compensation expense related to the Volumetric earnout and RegMed Awards during the three and six months ended June 30, 2024, and no liability related to the Volumetric earnout was recognized on our balance sheets as of June 30, 2024 and December 31, 2023.
 dp polar Earnout
 In connection with the Company's October 4, 2022 acquisition of dp polar GmbH ("dp polar"), the Company expects to pay $2,229 of compensation expense incremental to the acquisition purchase price. Until April 2024, this payment was contingent upon the continued employment of a key individual from dp polar through December 31, 2024. During April 2024, due to a change in the key individual's employment status, all service conditions of the dp polar earnout were met based on the terms of the initial arrangement. This amount is expected to be settled via the issuance of 250 shares of Common Stock on or around December 31, 2024. All remaining expense related to these shares was recognized during the three months ended June 30, 2024. The Company includes the compensation expense related to this arrangement within stock-based compensation reported herein.
 Stock-Based Compensation Activity and Expense
 During the three and six months ended June 30, 2024, the Company granted 60 shares of restricted stock which had a weighted-average grant date fair value of $5.75 per share, respectively. The restricted stock awards generally vest ratably over three years.
 The following table shows the stock-based compensation expense recognized during the three and six months ended June 30, 2024 and June 30, 2023: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:95.029%"><tr><td style="width:1.0%"></td><td style="width:36.900%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.415%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.671%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding: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 June 30,</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 June 30,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span*

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%">2023</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:bottom">Stock-based compensation expense</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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,421 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,990 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">13,673 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,282 </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="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Included in stock-based compensation expense recognized for the three and six months ended June 30, 2024 are $680 and $2,274, respectively, and $397 and $1,055 for the three and six months ended June 30, 2023, respectively, of accrued expense pertaining to annual incentive compensation for which settlement would ultimately occur using shares of Common Stock. Also included in stock-based compensation expense for the three and six months ended June 30, 2024 are $0 and $0, respectively, and $(632) and $1,634 for the three and six months ended June 30, 2023, respectively, which relate to the RegMed Awards and the portion of the recognized Volumetric earnout expense expected to be settled using the shares of Common Stock. Finally, stock-based compensation expense for the three and six months ended June 30, 2024 includes $733 and $975, respectively, and $277 and $552 for the three and six months ended June 30, 2023, respectively, of expense related to the dp polar earnout arrangement that is required to be settled in shares of Common Stock.
 As of June 30, 2024, there was $26,015 of unrecognized stock-based compensation expense related to all unvested share-based payment awards that the Company expects to recognize over a weighted-average period of 1.7 years.
P3Y60009400020300002097000O0P4Y1913000191300O0.010.013550000007355000000474417500000003231750000004650000006500000
632000-63200016340001634000770022290002500006000060000 5.755.75P3YP3Y <span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The following table shows the stock-based compensation expense recognized during the three and six months ended June 30, 2024 and June 30, 2023: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:95.029%"><tr><td style="width:1.0%"></td><td style="width:36.900%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.569%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.415%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.671%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding: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 June 30,</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 June 30,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</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:bottom">Stock-based compensation expense</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">5,421 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,990 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">13,673 </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"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,282 </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="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 5421000799000013673000182820006800002274000397000105500000-
63200016340007330009750002770005520002601500OP1Y8M12D (12) Income Taxes

 <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:120%">We maintain the exception under ASC 740-270-30-36(b), “Accounting for Income Taxes,” for jurisdictions that do not have reliable estimates of ordinary income. Accordingly, we have used a year-to-date methodology in determining the effective tax rate for the three and six months ended June 30, 2024. For the three and six months ended June 30, 2024, the Company’s effective tax rate was (1.8)% and (4.6)%, respectively. For the three and six months ended June 30, 2023, the Company’s effective tax rate was (0.8)% and (0.4)%, respectively. The differences between the U.S. statutory tax rate and the effective tax rates for the three and six months ended June 30, 2024 and 2023 are primarily driven by the recognition of a full deferred tax asset valuation allowance in various jurisdictions.-0.018-0.046-0.008-0.004 (13) Net Loss Per Share
 Basic net loss per share is calculated by dividing net loss attributable to 3D Systems’ Common Stock stockholders by the weighted average number of shares of Common Stock outstanding during the applicable period. Diluted loss per share incorporates the additional shares issuable upon the assumed exercise of stock options, the vesting of restricted stock and RSUs, and the assumed conversion of debt, except in such case when (1) the inclusion of such shares or potential shares would be anti-dilutive or (2) when the vesting of restricted stock or RSUs is contingent upon one or more performance conditions that have not been met as of the balance sheet date. <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:46.443%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.772%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:0.522%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.772%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.378%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.316%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.378%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.319%"></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">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">(in thousands, except per share amounts)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Numerator for basic and diluted net loss per share: </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;text-align:left;vertical-align:bottom"> Net loss attributable to 3D Systems Corporation </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(27,258)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(28,895)</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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(43,259)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(58,316)</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:middle">Redeemable non-controlling interest redemption value in excess of carrying value</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(98)</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">(172)</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">(173)</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">(260)</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:middle"> Net loss attributable to common stock shareholders </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(27,356)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(29,067)</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 style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(43,432)</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>

*style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(58,576)</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:bottom"><div>Denominator for net loss per share:</div></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #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:3pt double #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:3pt double #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:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Weighted average shares outstanding – basic and diluted(1), (2)</div></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">131,802 </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">129,907 </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">131,311 </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">129,535 </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 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><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;text-align:left;vertical-align:bottom"><div>Net loss per share – basic and diluted</div></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">(0.21)</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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.22)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.33)</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">(0.45)</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></table>
 (1) Equity awards are deemed anti-dilutive for the three and six months ended June 30, 2024 and 2023 because we reported a net loss for these periods. (2) Includes 250 shares of Common Stock related to the dp polar earnout arrangement that are expected to be issued given the passage of time on or about December 31, 2024.
 The following table presents the potentially dilutive shares that have been excluded from the computation of diluted net loss per share attributable to Common Stock stockholders because their effect is considered anti-dilutive for the three and six months ended June 30, 2024 and 2023, respectively. <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:70.203%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.955%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.957%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three and Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</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:bottom">Restricted stock and restricted stock units</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,393 </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">6,680 </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="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">Stock options</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:'Times New Roman',sans-serif;font-size:10pt;font-*

*weight:400;line-height:100%">160 </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">420 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,553 </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 colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,100 </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="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
 For the three and six months ended June 30, 2024, the table above excludes an estimate of 531 shares for the payment of accrued incentive compensation that is expected to be settled in shares (Refer to Note 11). This share estimate is based on the liabilities recorded at June 30, 2024 for the fiscal year 2024 incentive compensation arrangement, divided by the Company's year-to-date average share price of $4.28 per share. As of June 30, 2024, there are no contingently issuable shares related to the Volumetric earnout arrangement discussed in Note 11.
 For the three and six months ended June 30, 2023, the table above excludes the following: (1) an estimate of 1,047 shares contingently issuable upon the achievement of certain milestones in the Volumetric earnout arrangement discussed in Note 11 and (2) an estimate of 109 shares for the payment of accrued incentive compensation that is expected to be settled in shares. These share estimates are based on the aggregate liabilities recorded at June 30, 2023 for the Volumetric earnout arrangement and the fiscal year 2023 incentive compensation arrangement, divided by the Company's year-to-date average share price of $9.67 per share. The table above also excludes an estimate of 92 shares that are contingently issuable under the dp polar earnout arrangement discussed in Note 11.
 The Company previously issued 0% Convertible Senior Notes due November 15, 2026, as discussed in Note 9. The Notes' impact to diluted weighted average shares outstanding is required to be calculated using the if-converted method as prescribed in ASC 260. The Notes will increase the diluted weighted average shares outstanding when the average share price over a quarterly or annual reporting period is greater than $35.92 per share, the conversion price of the Notes. For the three and six months ended June 30, 2024 and 2023, the Notes were anti-dilutive on a stand-alone basis because the average share price during these periods did not exceed the conversion price, and because we reported a net loss for each of the respective periods.</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:46.443%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.772%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.522%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.772%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.378%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.316%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.378%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.319%"></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">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">(in thousands, except per share amounts)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Numerator for basic and diluted net loss per share:</div></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;text-align:left;vertical-align:bottom"><div>Net loss attributable to 3D Systems Corporation</div></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">(27,258)</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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(28,895)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(43,259)</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">(58,316)</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:middle">Redeemable non-controlling interest redemption value in excess of carrying value</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(98)</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">(172)</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">(173)</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">(260)</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:middle"> Net loss attributable to common stock shareholders </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(27,356)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(29,067)</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 style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(43,432)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(58,576)</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:bottom"> Denominator for net loss per share: </td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #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:3pt double #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:3pt double #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:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Weighted average shares outstanding – basic and diluted(1), (2) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">131,802 </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">129,907 </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">131,311 </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">129,535 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 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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;text-align:left;vertical-align:bottom"> Net loss per share – basic and diluted </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.21)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.22)</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 style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.33)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(0.45)</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></table>
 (1) Equity awards are deemed anti-dilutive for the three and six months ended June 30, 2024 and 2023 because we reported a net loss for these periods. (2) Includes 250 shares of Common Stock related to the dp polar earnout arrangement that are expected to be issued given the passage of time on or about December 31, 2024. -27258000-28895000-43259000-58316000-98000-172000-173000-260000-27356000-29067000-43432000-58576000131802000131802000129907000129907000131311000131311000129535000129535000-0.21-0.21-0.22-0.22-0.33-0.33-0.45-0.45250000 The following table presents the potentially dilutive shares that have been excluded from the computation of diluted net loss per share attributable to Common Stock stockholders because their effect is considered anti-dilutive for the three and six months ended June 30, 2024 and 2023, respectively. <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:70.203%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.955%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.957%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three and Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-

align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</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:2px 1pt;text-align:left;vertical-align:bottom">Restricted stock and restricted stock units</td><td colspan="2" style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,393 </td><td style="background-color:#ccceff;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 colspan="2" style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,680 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Stock options</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">160 </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">420 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total</td><td colspan="2" style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,553 </td><td style="background-color:#ccceff;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:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,100 </td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 339300033930006680000668000016000016000042000042000035530003553000710000071000005310005310000 4.281047000104700010(14) Accumulated Other Comprehensive Loss
 The changes in the balances of accumulated other comprehensive loss by component are as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:50.508%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:middle">Three Months Ended June 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at March 31, 2024</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(51,750)</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">307 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(51,443)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"><div>Other comprehensive loss</div></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(1,196)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(1,198)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at June 30, 2024</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,946)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td

*style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">305 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,641)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:middle">Six Months Ended June 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at December 31, 2023</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(44,564)</td><td style="background-color:#ccceff;border-top:1pt solid #000000;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-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">314 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(44,250)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other comprehensive loss </td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(8,382)</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:middle">(9)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(8,391)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at June 30, 2024</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,946)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">305 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,641)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr></table>
 <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:49.779%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.630%"></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:10.630%"></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:10.630%"></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:10.632%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:left;vertical-align:middle"> Three Months Ended June 30, 2023 </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Unrealized loss on short-term*

investments</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at March 31, 2023</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(50,781)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">700 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(19)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,100)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss)</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">712 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">712 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amounts reclassified from accumulated other comprehensive income (loss) a </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(11)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">19 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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 </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:bottom">Balance at June 30, 2023</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,069)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">689 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(49,380)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:left;vertical-align:middle"> Six Months Ended June 30, 2023 </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Unrealized loss on short-term investments</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at December 31,

2022</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(54,194)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">700 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(328)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(53,822)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss)</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4,125 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">108 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">4,245 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amounts reclassified from accumulated other comprehensive income (loss) a </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(23)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">220 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">197 </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:bottom">Balance at June 30, 2023</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,069)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">689 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(49,380)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table> (a) Amount reclassified into interest and other income (expense), net on the statement of operations. The amounts presented in the table above are net of income taxes. The changes in the balances of accumulated other comprehensive loss by component are as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:50.508%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:middle">Three Months Ended June 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:8pt;font-weight:700;line-height:100%">Total</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at March 31, 2024</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(51,750)</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">307 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(51,443)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"><div>Other comprehensive loss</div></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(1,196)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(1,198)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at June 30, 2024</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,946)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">305 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,641)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:middle">Six Months Ended June 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at December 31, 2023</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(44,564)</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">314 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(44,250)</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other comprehensive loss </td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(8,382)</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:middle">(9)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(8,391)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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

*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:bottom">Balance at June 30, 2024</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,946)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">305 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(52,641)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr></table></div><div>
</div><div><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:49.779%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.630%"></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:10.630%"></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:10.630%"></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:10.632%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:left;vertical-align:middle"><div style="text-align:center">Three Months Ended June 30, 2023</div></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Unrealized loss on short-term investments</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at March 31, 2023</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">(50,781)</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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(19)</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 #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,100)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss)</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">712 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">712 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amounts reclassified from accumulated other comprehensive income (loss) a </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(11)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">19 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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 </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:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:700;line-*

height:100%">Balance at June 30, 2023</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,069)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">689 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(49,380)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:left;vertical-align:middle"> Six Months Ended June 30, 2023 </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Foreign currency translation adjustment</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Defined benefit pension plan</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Unrealized loss on short-term investments</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:middle">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at December 31, 2022</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(54,194)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">700 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(328)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(53,822)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss)</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4,125 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">108 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">4,245 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amounts reclassified from accumulated other comprehensive income (loss) a </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">(23)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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:middle">220 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></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">197 </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:bottom">Balance at June 30, 2023</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(50,069)</td><td style="background-color:#ffffff;border-bottom:3pt double

#000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">689 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(49,380)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table></div>(a) Amount reclassified into interest and other income (expense), net on the statement of operations.-51750000307000-51443000-1196000-2000-1198000-52946000305000-52641000-44564000314000-44250000-8382000-9000-8391000-52946000305000-52641000-50781000700000-19000-50100000712000000712000011000-19000-8000-500690006890000-49380000-54194000700000-328000-53822000412500012000108000424500002300O-220000-197000-500690006890000-49380000<div>(15) Segment Information </div><div>
</div><div style="text-align:justify">The Company has two reportable segments: Healthcare Solutions and Industrial Solutions. Our reportable segments are based upon the industry verticals that they serve and reflect how we report our financial results to the chief operating decision maker ("CODM"). The CODM evaluates the performance of our reportable segments based on segment revenue and segment Adjusted EBITDA. The CODM does not review disaggregated asset information on the basis of the Company's segments; therefore, such information is not presented. </div><div style="text-align:justify">The following tables set forth our operating results by segment for the three and six months ended June 30, 2024 and June 30, 2023:</div><div style="text-align:justify">
</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:26.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.590%"></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:16.590%"></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:16.593%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Revenue</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Adjusted EBITDA</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Healthcare Solutions</div></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">48,900 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">60,874 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">8,772 </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">11,394 </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:bottom"> Industrial Solutions </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,352 </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">67,320 </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">3,358 </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">2,264 </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 2px

7pt;text-align:left;vertical-align:bottom">Total Reportable segments</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">113,252 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">128,194 </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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,130 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">13,658 </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>

 <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:26.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.590%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:16.590%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.590%"></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:16.590%"></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:16.593%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Revenue</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Adjusted EBITDA</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended June 30, </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Healthcare Solutions</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">94,313 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">109,599 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,492 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,459 </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:bottom">Industrial Solutions</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">121,844 </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">139,831 </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">5,440 </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">9,166 </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 7pt;text-align:left;vertical-align:bottom">Total Reportable segments</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">216,157 </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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">249,430 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">17,932 </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">25,625 </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></div><div style="text-align:justify">The following table provides a reconciliation of our reportable segment Adjusted EBITDA to our reported Net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and June 30, 2023:</div><div style="text-align:justify">
</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.917%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.526%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.817%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.381%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.526%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.387%"></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:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Total segment adjusted EBITDA</div></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">12,130 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,658 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">17,932 </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">25,625 </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"> Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems: </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;text-align:left;vertical-align:bottom"> Corporate expense not allocated to segments </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">(25,044)</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">(20,556)</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 colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(50,906)</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">(42,618)</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:bottom"> Interest income (expense), net </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">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">4,404 </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">2,912 </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">8,209 </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"> Provision for income taxes </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">(476)</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">(222)</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">(1,847)</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">(230)</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:bottom">Depreciation expense</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">(4,910)</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">(5,294)</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">(9,870)</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">(10,606)</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:bottom">Amortization expense</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">(2,589)</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">(3,258)</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">(4,902)</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">(6,497)</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:bottom">Stock-based compensation expense</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">(3,389)</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">(7,990)</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">(11,574)</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">(18,282)</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:bottom">Acquisition and divestiture-related expense</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">(181)</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">(1,512)</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">(234)</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">(4,188)</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:bottom"> Legal and other related costs </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">(2,342)</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">(2,656)</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">(6,582)</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">(2,735)</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:bottom">Restructuring expense</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">(87)</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:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,121)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(138)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5,824)</td><td style="background-color:#ccceff;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"> Net loss attributable to redeemable non-controlling interest </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 </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">143 </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">92 </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:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Loss on equity method investments, net of tax </td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(902)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(142)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,149)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(142)</td><td style="background-color:#ccceff;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"> Gain on repurchase of debt </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="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21,518 </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"> Other non-operating income (expense) </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">(339)</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">(1,190)</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">1,438 </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">(1,120)</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:bottom"> Net loss attributable to 3D Systems Corporation </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(27,258)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(28,895)</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(43,259)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(58,316)</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 following table summarizes long-lived assets by geographic region as of June 30, 2024 and December 31, 2023: <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:64.543%"></td><td*

*style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.420%"></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:15.130%"></td><td style="width:0.1%"></td></tr><tr><td colspan="6" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> United States </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">89,921 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">94,734 </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="6" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Belgium </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,439 </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">21,524 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Other foreign entities </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,187 </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">18,783 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">125,547 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">135,041 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>2 The following tables set forth our operating results by segment for the three and six months ended June 30, 2024 and June 30, 2023:
 <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:26.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.590%"></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:16.590%"></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:16.590%"></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:16.593%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Revenue</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Adjusted EBITDA</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Healthcare Solutions </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">48,900 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">60,874 </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">8,772 </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:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">11,394 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Industrial Solutions</div></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,352 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">67,320 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,358 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,264 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total Reportable segments</td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">113,252 </td><td style="background-color:#ccceff;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:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">128,194 </td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,130 </td><td style="background-color:#ccceff;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:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;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:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">13,658 </td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify">
</div><div style="text-align:justify">
</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:26.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.590%"></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:16.590%"></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:16.590%"></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:16.593%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Revenue</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Adjusted EBITDA</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended June 30, </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Healthcare Solutions</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">94,313 </td><td style="background-color:#ccceff;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-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">109,599 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,492 </td><td style="background-color:#ccceff;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-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,459 </td><td style="background-color:#ccceff;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:bottom">Industrial Solutions</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:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">121,844 </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">139,831 </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">5,440 </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">9,166 </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 7pt;text-align:left;vertical-align:bottom">Total Reportable segments</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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,157 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">249,430 </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">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">17,932 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">25,625 </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> The following table provides a reconciliation of our reportable segment Adjusted EBITDA to our reported Net loss attributable to 3D Systems Corporation for the three and six months ended June 30, 2024 and June 30, 2023:
 <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:49.917%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.526%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.817%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.381%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.382%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.526%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.387%"></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:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Total segment adjusted EBITDA </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,130 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,658 </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">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">17,932 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">25,625 </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"> Less items to reconcile Segment Adjusted EBITDA to net loss attributable to 3D Systems: </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;text-align:left;vertical-align:bottom"> Corporate expense not allocated to segments </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">(25,044)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>

<td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(20,556)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(50,906)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(42,618)</td><td style="background-color:#ccceff;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"> Interest income (expense), net </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">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">4,404 </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">2,912 </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">8,209 </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:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Provision for income taxes </td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(476)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(222)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,847)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(230)</td><td style="background-color:#ccceff;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:bottom">Depreciation expense</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">(4,910)</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">(5,294)</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">(9,870)</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">(10,606)</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:#ccceff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:bottom">Amortization expense</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,589)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,258)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,902)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6,497)</td><td style="background-color:#ccceff;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:bottom">Stock-based compensation expense</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">(3,389)</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">(7,990)</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">(11,574)</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">(18,282)</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:#ccceff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:bottom">Acquisition and divestiture-related expense</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(181)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,512)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(234)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,188)</td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">Legal and other related costs </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">(2,342)</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">(2,656)</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">(6,582)</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">(2,735)</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:bottom">Restructuring expense</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">(87)</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">(4,121)</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">(138)</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">(5,824)</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:bottom"> Net loss attributable to redeemable non-controlling interest </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 </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">143 </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">92 </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"> Loss on equity method investments, net of tax </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">(902)</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">(142)</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">1,149</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">(142)</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:bottom"> Gain on repurchase of debt </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="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21,518 </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"> Other non-operating income (expense) </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">(339)</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">(1,190)</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">1,438 </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">(1,120)</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:bottom"> Net loss attributable to 3D Systems Corporation </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(27,258)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(28,895)</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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(43,259)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">(58,316)</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>
489000006087400087720001139400064352000673200003358000226400011325200012819400012130001365800094313000109599006
4300016000-143000-92000-902000-142000-1149000-142000002151800000-339000-11900001438000-1120000-27258000-28895000-43259000-58316000 The following table summarizes long-lived assets by geographic region as of June 30, 2024 and December 31, 2023: <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:64.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.420%"></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:15.130%"></td><td style="width:0.1%"></td></tr><tr><td colspan="6" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> United States </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">89,921 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">94,734 </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="6" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Belgium </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,439 </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">21,524 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Other foreign entities </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,187 </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">18,783 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="6" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">125,547 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">135,041 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr>
</table>899210009473400019439000215240001618700018783000125547000135041000 (16) Commitments and Contingencies
 The Company has certain purchase commitments under agreements with remaining terms in excess of a year primarily related to printer assemblies, inventory, capital expenditures, and software licenses. As of June 30, 2024, such purchase commitments totaled $19,720, with approximately $10,850 of the purchase obligations expected to be due within the next twelve months.
 Indemnification
 In the normal course of business, we periodically enter into agreements to indemnify customers or suppliers against claims of intellectual property infringement made by third parties arising from the use of our products. Historically, costs related to these indemnification provisions have not been significant, and we are unable to estimate the maximum potential impact of these indemnification provisions on our future results of operations.
 To the extent permitted under Delaware law, we indemnify our directors and officers for certain events or occurrences while the director or officer is, or was, serving at our request in such capacity, subject to limited exceptions. The maximum potential amount of future payments that we could be required to make under these indemnification obligations is unlimited; however, we have directors and officers insurance coverage that may enable us to recover future amounts paid, subject to a deductible and the policy limits. There is no assurance that the policy limits will be sufficient to cover all damages, if any. Other Commitments
 Government Settlement
 Beginning in October 2017, the Company undertook an internal investigation relating to possible violations of U.S. export control laws, including the International Traffic in Arms Regulations administered by the Directorate of Defense Trade Controls of the Department of State ("DDTC") and the Export Administration Regulations administered by the Bureau of Industry and Security of the

*Department of Commerce (“BIS”). In February 2023, the Company settled these matters with the U.S. Department of Justice (“DOJ”), DDTC and BIS. As a part of these settlement agreements, the Company agreed to pay $15,048 in civil monetary penalties to these agencies, with an additional $10,000 suspended penalty amount to be allocated to remedial compliance measures required by DDTC. The penalty amounts subject to payment were broken down as follows: DDTC, $10,000 (payable in three installments over a three-year period); BIS, $2,778; and DOJ, $2,270. During the six months ended June 30, 2024, we paid the second installment penalty of $3,500 in accordance with the DDTC settlement agreement. The original $10,000 suspended penalty has not been recognized as a liability, as it will be recognized as incurred for remedial compliance measures during the three-year term of the settlement agreement. The application of the Company’s spend on remedial compliance measures as a reduction to the original $10,000 suspended penalty must be approved by DDTC, which approval will be sought on an annual basis in accordance with the terms of the settlement agreement. In February 2024, the DDTC formally approved (1) the application of $2,294 of remedial compliance spend occurring during the year ended December 31, 2023 against the suspended penalty and (2) a reduction of the suspended penalty to $7,706. Any portion not expended for compliance measures at the end of the three-year term of the settlement agreement will be paid by the Company to DDTC.
 We initially accrued liabilities related to the foregoing matters during the year ended December 31, 2022, which included recording the $10,000 DDTC civil monetary penalty at a discount using the risk-free interest rate in effect at the time of recognition, due to the multiple annual periods over which the amount would be paid. We have made payments in accordance with the settlement terms and, as of June 30, 2024, the remaining unsettled liability related to the Government Settlement was $2,926, which is expected to be due by February 2025.
 Letter of Credit
 On June 2, 2023, we issued $1,161 of guarantees in the form of a standby letter of credit as security for a long-term real estate lease. The letter of credit has a maturity date of June 2025 and includes automatic one-year extensions, which are not to continue beyond July 1, 2033. We have not recorded any liability for this guarantee, as we believe that the likelihood of having to perform under the letter of credit is remote. In connection with this transaction, we pledged an equal amount of cash to the issuing bank of this letter of credit. The cash pledged is recorded as restricted cash and included in other assets on our consolidated balance sheets.
 Litigation
 Securities Class Action
 The Company and certain of its current and former executive officers were named as defendants in a consolidated putative stockholder class action lawsuit in the United States District Court for the Eastern District of New York. The action is styled In re 3D Systems Securities Litigation, No. 1:21-cv-01920-NGG-TAM (E.D.N.Y.) (the “Securities Class Action”). The complainant alleged that defendants violated the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and SEC Rule 10b-5 promulgated thereunder by making false and misleading statements and omissions, and that the current and former executive officers named as defendants were control persons under Section 20(a) of the Exchange Act. The complainant sought monetary damages on behalf of the purported class. On October 28, 2022, the parties notified the District Court that they reached an agreement in principle resolving this action and, on December 19, 2022, Lead Plaintiff filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The District Court held a final fairness hearing on November 21, 2023 and subsequently entered the Order and Final Judgement approving the Securities Class Action settlement and dismissing the Securities Class Action claims with prejudice on January 4, 2024. The time for any party to appeal expired on February 5, 2024, and no appeals were filed. The matter is now concluded.
 In connection with the resolution of the Securities Class Action, we reached a settlement of $4,000, of which $749 was paid by the Company during the twelve months ended December 31, 2023 and the remaining $3,251 was paid by insurance during the twelve months ended December 31, 2023. Derivative Actions
 The Company has been named as a nominal defendant and certain of its current and former executive officers and directors have been named as defendants in derivative lawsuits pending in the United States District Court for the Eastern District of New York, the South Carolina Court of Common Pleas for the 16th Circuit, York County, and the Supreme Court of the State of New York, Kings County. The actions are styled Nguyen v. Joshi, et al., No. 21-cv-03389-NGG-TAM (E.D.N.Y.) (the “Nguyen Action”), Lesar v. Graves, et al., No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the “Lesar Action”), Scanlon v. Graves, et al., No. 2021CP4602312 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. of York) (the “Scanlon Action”), Bohus v. Joshi, et al., No. 22-cv-2203-CBA-RML (E.D.N.Y.) (the “Bohus Action”), and Fernicola v. Clinton, et. al., No. 512613/2022 (N.Y., Kings County Supreme Court) (the “Fernicola Action”) (together, the "Derivative Actions"). The Complaints in the Nguyen and Bohus Actions, which were filed on June 15, 2021 and April 18, 2022, respectively, assert breach of fiduciary duty claims against all defendants and claims for contribution under the federal securities laws against certain of the defendants. The Complaints in the Lesar and Scanlon Actions, which were filed on July 26, 2021, assert breach of fiduciary duty and unjust enrichment claims against the defendants. The Complaint in the Fernicola Action was filed on May 2, 2022, and asserts claims for breach of fiduciary duty and waste of corporate assets against the director defendants. On August 27, 2021, the Nguyen Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On October 26, 2021, the Lesar Action and the Scanlon Action were consolidated into a single stockholder derivative action, styled as In Re 3D Systems Corp. Shareholder Derivative Litigation, No. 2021CP4602308 (S.C., Ct. of Common Pleas for the 16th Judicial Cir., Cty. Of York) (the “South Carolina Derivative Action”). On March 3, 2022, the South Carolina Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. On June 16, 2022, the Bohus Action was consolidated with the Nguyen Action (the “E.D.N.Y. Derivative Action”). The E.D.N.Y. Derivative Action was stayed until 30 days after the earlier of: (i) the close of discovery in the Securities Class Action, or (ii) the deadline for appealing a dismissal of the Securities Class Action with prejudice. The deadline for appealing the dismissal of the Securities Class Action expired on February 5, 2024 and no appeals were filed. Accordingly, the discovery stays in the South Carolina and E.D.N.Y. Derivative Actions lifted on March 6, 2024. On February 13, 2024, the parties to the Derivative Actions reached an agreement in principle resolving the actions. On April 30, 2024, the parties executed a Stipulation of Settlement. The settlement is subject to both preliminary and final approval by the Court of Common Pleas for the 16th Judicial Circuit, State of South Carolina, County of York (the "South Carolina Court"). On May 14, 2024, Lead Plaintiffs' Counsel filed a motion seeking entry of an order preliminarily approving the settlement and establishing notice procedures. The South Carolina Court granted preliminary approval during a hearing held on July 11, 2024. The final approval hearing is scheduled to occur in the South Carolina Court on October 21, 2024.
 The only monetary component of the Stipulation of Settlement is a $1,950 fee and expense award to counsel for plaintiffs in the Derivative Actions, all of which will be paid by insurance following final approval of the settlement by the Court.
 SEC Investigation
 On April 15, 2022, the Company was informed that the SEC is conducting a formal investigation of the Company related to, among other things, the allegations in the Securities Class Action. The Company has subsequently received subpoenas from the SEC for the production of documents and information related to its investigation as a follow on to a previous voluntary request for documents. The Company is cooperating with the SEC in connection with its formal investigation.
 Termination of Volumetric Milestones Related to Potential Earnout Payments
 Following the acquisition of Volumetric in 2021, the Company could have been required to pay up to $355,000 of acquisition-related earnout payments to the former owners of Volumetric if the Company were to achieve seven non-financial, science-based milestones prior to either December 31, 2030 or December 31, 2035 (refer to Note 11). Due to the loss of funding from the Company's key strategic partner for kidney and liver research and development efforts, the Company notified the former owners of Volumetric on February 24, 2024 that it was terminating the four milestones that related to those kidney and liver research and development efforts, as achievement was no longer financially viable. As a result of the termination of the four milestones, the Company's maximum liability for acquisition-related earnout payments was reduced to $175,000, which would have been payable if each of the three remaining non-financial, science-based milestones was achieved within the timeframes set forth in the Volumetric acquisition agreement. On March 29, 2024, the former owners of Volumetric notified the Company that they were initiating dispute resolution under the provisions of the acquisition agreement in an effort to recover the $355,000. The parties*

did not reach a resolution during the 30-day negotiation period following this notice and now have entered into non-binding mediation in accordance with the terms of the acquisition agreement.
 On April 29, 2024, two key employees from Volumetric ("Volumetric Key Employees"), who were required to be employed at the time of achievement of each non-financial, science-based milestone outlined in the Volumetric acquisition agreement for each related acquisition earnout payment to become payable, resigned from their positions with the Company. As discussed in Note 11, four of the seven Volumetric milestone-based earnout payments were previously cancelled as achievement was no longer deemed financially viable. As a result of the resignation of the Volumetric Key Employees, all parties to which the remaining three milestone-based earnout payments totaling $175,000 were potentially payable were notified that such amount was no longer eligible to be earned. While the Volumetric Key Employees claim that their terminations were for good reason, which would preserve the rights to milestone-based earnout payments under the Volumetric acquisition agreement, the Company vigorously denies this claim. Presently, no lawsuit has been filed by the former owners of Volumetric to which milestone-based earnout payments were potentially payable, and there is no reasonable estimate or range of estimates of potential financial liability associated with this matter.
 On August 21, 2024, the Company proposed a settlement of $1,750 with the former shareholders and key employees of Volumetric during mediation. The proposed settlement was accrued as of June 30, 2024. As of August 29, 2024, the mediation process between the parties remains ongoing.
 Other In May 2024, the Company became aware of a litigation matter involving claims against a Brazilian subsidiary of the Company by a former contractor for breach of contract relating to allegedly unpaid commissions and compensation owed as a result of the termination of the contractor. The amount at issue in this matter is approximately $800. The Company believes that the claims are without merit and continues to defend itself vigorously.
 We are involved in various other legal matters incidental to our business. Although we cannot predict the results of the litigation with certainty, we believe that the disposition of all of these various other legal matters will not have a material adverse effect, individually or in the aggregate, on our consolidated results of operations, consolidated cash flows or consolidated financial position.
19720000108500001504800010000000100000003P3Y27780002270000350000010000000P3Y10000000229400077060000P3Y10000000293
(17) Fair Value Measurements
 Fair value is the exchange price to sell an asset or transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date. Fair value measurements use market data or assumptions market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs may be readily observable, corroborated by market data, or generally unobservable. Valuation techniques maximize the use of observable inputs and minimize use of unobservable inputs. The accounting guidance for fair value measurements and disclosures establishes a three-level fair value hierarchy:
 •Level 1 - Inputs are based on quoted prices in active markets for identical assets and liabilities. •Level 2 - Inputs are based on observable inputs other than quoted prices in active markets for identical or similar assets and liabilities. •Level 3 - One or more inputs are unobservable and significant.
 Financial and nonfinancial assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.
 Cash equivalents are valued utilizing the market approach to measure fair value for financial assets and liabilities. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The carrying amounts of our cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities approximate fair value as of June 30, 2024 and December 31, 2023 because of the relatively short duration of these instruments. Assets measured at fair value on a recurring basis as of June 30, 2024 include money market funds with a fair value of $125,512, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value. We did not have any transfers of assets and liabilities between Level 1, Level 2 and Level 3 of the fair value measurement hierarchy during the three and six months ended June 30, 2024. Assets measured at fair value on a recurring basis as of December 31, 2023 include money market funds with a fair value of $255,984, which are included in cash and cash equivalents on the consolidated balance sheet, and for which Level 1 inputs are used to measure at fair value.Cash equivalents are valued utilizing the market approach to measure fair value for financial assets and liabilities. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The carrying amounts of our cash and cash equivalents, accounts receivable, accounts payable, and accrued liabilities approximate fair value as of June 30, 2024 and December 31, 2023 because of the relatively short duration of these instruments.12551200025598400 (18) Restructuring and Exit Activity Costs
 Restructuring Plan Objectives and Status of Execution
 In 2023, the Company commenced a multi-faceted restructuring plan (the "2023 Restructuring Plan") to improve operating efficiencies throughout the organization and drive long-term value creation. The key initiatives of the plan, some of which are ongoing, were announced in 2023 and included:
 •improving manufacturing efficiencies related to the Company's European metal printer operations by (1) in-sourcing certain metal printer platforms into the Company's Riom, France manufacturing facility and (2) co-locating the engineering and manufacturing of in-sourced metal printer products in order to improve cycle time from development to production; •reducing headcount throughout all functions and areas of the organization; •rationalizing the Company's geographic footprint through the exit of leased facilities; and •reducing certain third-party costs.
 As of June 30, 2024, the Company has substantially completed its in-sourcing activities. Actions taken to reduce headcount commenced during the year ended December 31, 2023, continued throughout the quarter ended June 30, 2024, and are expected to be substantially completed during the quarter ended September 30, 2024. Beginning during our fourth quarter ended December 31, 2023, and continuing throughout the quarter ended June 30, 2024, the Company (1) has been identifying and evaluating its opportunities to exit leased facilities, (2) has been both developing and starting to execute against its relocation plans, and (3) and is actively marketing facilities that have been successfully exited for sublease. The decision-making, planning and execution related to our planned facility exits will continue throughout 2024. In addition, the Company has ongoing actions related to the reduction of third-party costs.
 2023 Restructuring Plan Costs, Cash Settlements and Recognized Liabilities
 <span

*style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">Since inception of the 2023 Restructuring Plan, we have incurred $7,891 of severance charges related to headcount reductions, inclusive of $(402) and $(351) which has been recognized in our consolidated statement of operations for the three and six months ended June 30, 2024. These charges relate to employee severance and termination benefit costs that are generally recognized when probable and estimable because they are typically being determined consistent with the Company's past practices or statutory law. During the quarter ended June 30, 2024, we recorded a reduction of approximately $1,000 from our severance accrual included in cost of sales as a result of the decision to continue to operate certain facilities during the second quarter, the reduction in severance costs was partially offset by incremental severance charges in selling, general and administrative expenses as well as research and development. We currently expect aggregate headcount reduction costs related to our 2023 Restructuring Plan activities not to exceed $9,000 when this initiative is completed.
 We may incur non-cash impairment charges as a result of exiting leased facilities if the carrying values of the related right-of-use asset balances and other related asset balances (e.g., leasehold improvements) will not be fully recoverable through our efforts to sublease an exited facility. Since inception of our 2023 Restructuring Plan, with the exception of certain amounts paid to terminate certain leases early, our consolidated financial statements have not reflected material transactions or charges resulting from decisions to exit facilities because either (1) the Company has not ceased use of a facility that it plans to exit or (2) an individual facility (and any related assets, as applicable) do not yet qualify to be measured for impairment separate from the asset group to which it has historically belonged, which would generally occur when we have entered into a sublease. During the six months ended June 30, 2024, we have paid $489 to terminate certain leases related to facilities identified as part of our facilities exit plan. In addition, during 2023 the Company recognized $628 of impairment charges related to certain fixed assets that were retired in connection with the Company's restructuring activities. There have been no impairment charges related to fixed assets recognized during the three and six months ended June 30, 2024.</div><div style="text-align:justify">
</div><div style="text-align:justify">The following table provides details regarding restructuring charges recorded and amounts that were settled with cash during the six months ended June 30, 2024 and June 30, 2023, as well as our remaining accrued liability reported in our consolidated balance sheet as of June 30, 2024 and June 30, 2023:</div><div style="text-align:justify">
</div><div style="text-align:justify">
</div><div style="text-align:justify">
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Balance at beginning of period</div></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,933 </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ceeeff;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"><div style="padding-left:6pt">Costs incurred during the period</div></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(351)</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">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="padding-left:6pt">Amounts settled with cash</div></td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,304 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,962 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Balance at the end of period</div></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,278 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,056 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 The severance, termination benefits and other employee costs that have been incurred during the three and six months ended June 30, 2024 and June 30, 2024 are reflected in our consolidated statement of operations as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:39.250%"></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:12.935%"></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:12.935%"></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:12.935%"></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:12.939%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></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;text-indent:0.9pt;vertical-align:top">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">Six Months Ended</td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-*

serif;font-size:8pt;font-weight:700;line-height:112%">June 30, 2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt;text-indent:0.9pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2023</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"> Total cost of sales </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:top">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(1,025)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(992)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:112%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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"> Selling, general and administrative </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:top">430</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:top">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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"> Research and development </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:top">193</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:top">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">193 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:bottom"> Total </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(402)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">3,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(351)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">3,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="display:none"></td></tr></table> 7891000-402000-351000-100000090000004890006 2800000 The following table provides details regarding restructuring charges recorded and amounts that were settled with cash during the six months ended June 30, 2024 and June 30, 2023, as well as our remaining accrued liability reported in our consolidated balance sheet as of June 30, 2024 and June 30, 2023:

 <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:70.098%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></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:12.937%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%">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">June 30, 2023</td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Balance at beginning of period </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,933 </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ceeeff;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"> Costs incurred during the period </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(351)</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">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Amounts settled with cash </td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,304 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,962 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Balance at the end of period </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,278 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,056 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 The severance, termination benefits and other employee costs that have been incurred during the three and six months ended June 30, 2024 and June 30, 2024 are reflected in our consolidated statement of operations as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:39.250%"></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:12.935%"></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:12.935%"></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:12.935%"></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:12.939%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></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;text-indent:0.9pt;vertical-align:top">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">Six Months Ended</td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt;text-indent:0.9pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;text-indent:0.9pt;vertical-align:top">June 30, 2023</td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:top"> Total cost of sales </td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(1,025)</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">— </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:top">(992)</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:112%">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:top">— </td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:112%">Selling, general and administrative </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:top">430</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:top">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">3,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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"> Research and development </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:top">193</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:top">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">193 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:top">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></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:bottom"> Total </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(402)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">3,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">(351)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:112%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:top">3,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:top"></td><td colspan="3" style="display:none"></td></tr></table> 39330000-3510003018000230400019620001278000105600010250000-9920000430000301800044800030180001930000193000040200030180000-35100030180002 (19) Subsequent Events
 We have evaluated subsequent events through the date these financial statements were issued and determined there were no events that required disclosure or recognition in these financial statements. falsefalsefalsefalse The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the condensed consolidated balance sheets to the total of such amounts reported in the condensed consolidated statements of cash flows.

June 30, 2024 December 31, 2023 June 30, 2023 December 31, 2022 Cash and cash equivalents $192,732 $331,525 $490,444 $388,134 Restricted cash included in prepaid expenses and other current assets 121 119 1,277 114 Restricted cash included in other assets 1,433 1,467 291 3,727 Total cash, cash equivalents and restricted cash shown in the condensed consolidated statements of cash flows $194,286 $333,111 $492,012 $391,975 Amounts included in restricted cash as of June 30, 2024, December 31, 2023 and June 30, 2023 primarily relate to guarantees in the form of a standby letter of credit as security for a long-term real estate lease. Refer to Note 16 for further information. Amounts included in restricted cash as of December 31, 2022 primarily relate to $3,435 deposited into an escrow account relating to the initial investment in the National Additive Manufacturing innovation ("NAMI") joint venture. Refer to Note 6 for further information. The remaining amounts in restricted cash in all periods presented relate to collateral for letters of credit and bank guarantees. **Inventory is transferred to property and equipment at cost when we require additional machines for training or demonstration or for placement into on-demand manufacturing services locations.**

GXL? WHRU*6K(B M0YT2GZ2"**P!=$DE+[5!9I\M;^\IE7K@M-U$M8UKJCZ2*S/NIQI5J^DLPG;M M._46RT7=D'&2I]EUTT&3?UU;\& (V&LABT:BS9+2,-;JM-GCD VR

G$N W M!AEF088<=%>O2]M"M0_HO']P*?B==7 ZTN^2@#3\;IAOE_+1:+_&_W).$,S/ M0/D[\]T$R/)X?C@T&Y)"^*T%)QESIS0/*W7]47L M+1XKJ;,BZ2.BZ)UW'=%S0PI2+G=M"4D'6J(57E1HR>![CF]5G+*^3.Z!D BA= MY]4]%A25^]85S%*]\,9ZU[+FT[F+/5*"3U$CF"#RC<1D=/*L8+E6%3:? %O8E>//+*A=953M+ IG0Y5*4"5HO*;N MACO.CJJ+LL8W]&Y4X]+RIS.()L +G!? N7YP89FCA2CB#3*31,#K32)'2>#W MB-((.R/A^9;6OG1R-$M3=F-TB87'F;F4XBOI"JY8'SII+NAE$DYLVS3$[-- M@X/[CH4DG]8_) _!(-&5SGS?:J4<"Y,XQ01Y]B)_>#4/HC.8AWN$?^OOW^~.* MF-'HR(; (Z[FUH*6B@V#1V:OU!^N12$TY8&VC]4#2>%TM/,^ZBNFO-)Q+P%N- M1_,'R2YE\N4E8\T9EPX , .-/"X4G3PWG3R*P)T=-#'T/3!EX R(D? MPBL2SXR+^!$7&GU SI:T#DXS?IJR/+4"S- M$-J*))N6-/J7)#66-TW@<@8S\ODT1O"8?S;-,9K@E>F^FHL 2\ &';:.UWQ' M]I0DZ_PT@EBL=N?QT==L2 &V[PQV#8^S[@KOM/ MC_VG[O"N_T"1*.X?]G7_X:;W,.C=H%$_#/KW=S?=(?IC,$3_?.\]# ?+&90! M:NX\+]]/F?[MY4[]L1?!=T]? C_]\,RYI:!%XG/JL>Y3.$=N(ZO]>KD@I@6: MJFO. G"U_.7K,OW#\)0HMQ9!3/>KPY[*AL4$E^ER5 MTSWIPT'IQQY5Q8RI#\/0[9W+]GBQL?5P%J? -.*;*HLC?!'"*[^#NZ;A)P/630 MV D.H]61$ /G+2T9*@/84N,I*_*3!U[A1%#'2L"03X['A1-_CAY]!SP'WBR M_.49@- $Q).R)Z357Z8C]8EVD\LZ;\\&5^;@*BC$5":P)93F1^C;Z@8!0/^S MTR>KBH+4Z.@BK\MY)2=1D"S'Y*6N\]*5+R]RHV.T>5&K4:DR)B]UE1>]?'G! M9R!EE=>-4//ZX01,W"/&_RR3KF!&QW*A!'\+N*L?A'2 M?>2TX!FD6\1U9$69E]2\&FRRL_DU >?11A#%@Q,7LI4,7FSG%8UDX*P),,O' M)NZ! (V]\J&:VBQ@VZX7-\M,$1-Q!1VGSBISY2'%YX*R@15_!G,1K/PAQBX< M02BH5[,?=G]-Q*J.68)I5M.:+YA'UDNLH?KC7WS?)O4VXIVU@>^F;70C(I>F MHTB\HN;5UK9B5EG-<70DW2Q''*FX/S(ORC7**F,X2I]&E2..-%R]BQ=D@^&H MAC@ZDIV4(X[T1@=7F*>](V\%34^6A%1K$3V2A)2CB!J-CB3SNL#VZ>N(HV.Y M1CD"J8V;I_*"PH!42R =V=G(#TB2@)QA9#.T66Y:+8%T)',H1R")!$CRGC[: M-&I@L9G]1.$K,W=!98F5$R:4(ZB+#4Z&M[39OD6#()IDH%RA*#F&N.,CA5AKH(V\OZH--4V#*A$!"J#;QLL1:F6H"H%4Q).<39X/;4FC&U45M&2K?&;S"03 A-:$6+ V> &N/\,=EMD9S@REC"*2 M(LF]61/T5+%5HASHW#9'*[8'7W65((E74\%:O MBIQIII9]":6C=7WRQ)*.L*3P;9WN4@74&Z;E#Y!=55[,O"*G)/R= [:E"$KEJ MKZ"/^"'"K7IE;+1Z.!>'V+A20Y5BTY=+N:.^"K9,==N= R1UY7,I1T8 MYN]"N8(AI^":T*K"2[GM"C+,51YS1YR?[*##M9XUB9? DO,ZCGQMT%32=*YC* M=8]/.XRA/UU:S;Y7S,'B*DKTIVSF9 :NG&U;(U7A%W MHZR?0:@]2OFM&,^1= M()V3.@"H:B@>A4CC#>^A#]Z7'@S9J8WC,2 M1!=I_L_!\(@XUG.'OAB7-J;U]1Q"X%F+(40CC)[_"Z(V7G&_;3B M M)[9W=UU1H=7=K-;D^]M%;,=JL]?)*ZI:G@D])RP[6\D<_T%4!=.6X:U,D MI P,*=%@:6E5P54Q?F61$&MCB&E[-JDIT5H5M'"S.Y6T6;AW"+80!.'2T\Q@ MT% [(J:@C&4UWW@LB)TXSC4)%2P*G%5\5[_CS2O8>T.QL'8TH.I*CE!N*\+E? M7F:=">]HC.!2&IT%%Y2\TJQ9""B"D1'THAR0Y'W4::E=B\6:YE,-..8M.T(65U,9G JRH2+OOR1-E M6*DX5C)#):65H&&W5][3?I4AJ>) (2FUG9H42V;;1C%VWA1(H5=#6K%\ M!]. M (RCGUFW]"_$83QVIA-3],'W _.V/.'L6\Z*X51\S.5,*,=[2R[T2DY4H%HA_7C; CMFI^M@<^_\A+ MV9ND, #6"X#GPA\NUJKR1O82RPR]0+@$:LY/P2JC8[."U5>@BMH;%?U3"0I M,#(BB=#+/-70?-LHR7=RJ/:"CSXG/9>U/O%\"_WI-7J(X\T19?JK6B]1BGIT MW1#SY;OC^=)%\L\CJYG;S^E]Y\Y^OH[""">^O=[G27VD6M/(.M;.=.Z+U<.J M#:23GA6C&=(Z@K3!JV*68QL,TK6!= T0;30ZBL KPNY9-X;H"T1TTJ-Q- $.Z M3;J1"7(%(5U!MR7['D$Y,4P%&1>: PX-0../GB)]7-24[) MB4J6\Y8,5E3"ZK3P: I]I%.MCRIHBE8U//F #$UW([," AN_J3ER QKB$ MONM&^U#(6 MG=N4]\3>]K"&4>,++[]>\ELEQ1;S# (EN'^# 3(BL>W/L;OZG@-E=7EGHRMY M=-0(RP4%CF8 HIE.ITC9!Q,3@JLC.Y99$R'8_;3<7T%I^R!L+;8I-

RJ_F8%C M90G0U\UVWC?%"IO'CP .L +].)PJ';22>R;T$!V"Y7,(7E8&L; RB-M"HR.T MI"RYPO3L(#+\UQ__2L[X%PG^]=W]9/AG^#\8B! [*E9O;XF&PQV:)KYN?T)3\0+2VS-\E$BXD6 M73,_JY_Z@6SIF3W5$F6+&C^6\L05BC,OV-"*'!HU G*V9)4R=/GOY]@W5*8:X%NY_EJE0HJKHW5V4UZWJ>]CUH-$8:)VVS MBZ7BZD9ZZV$^'0'8'Q.;,>BOM5>\SY$N;IM-#JB+/+&GAI*K")!/?!UI*9% ML? A](WQ);;XM['9(8/BJ!![*@YZ>>==4<$^S:V/:[LAO:M&5!'/L_/3"&(BY7Q?/#=%:NDJ MFO_,#QP,S2L(7#-T7L#75\<.)TO)V[@QPM.5L+[%'*%)(YDY> LM+%3>'9O> M^(E'BP77 :)FV)(HBF-MI,AC=609BJ490EN19-.21O^2D%S'-TU6^]XSI$": M(PC,/YOF&$WPRG1?S46 T;U!AZGC-=_1/2W)]G&5 I'1]]*;%#C\8S#L?1]P MU_VGQ_Y3=WC7?TB"Y5+'?=U_N.D]#'HW:-0/@_[]W4UWB/X8#-$_WWL/PP'7 MOT5???I\ZOV*KKO[K:7 VM;HOJ7*[4!MG+ M1U-US5D KI;_?%VN!HY'!DQN^CHUX3,2EEC78$%YMZJ1]T5?QS+4;K=T0<=B M%(=*XA?'$M9"!/BR^[DJMT15VON5T!+W? G[H4>V6(.JIGG3X<]G0CNO08EMY=BCSA72^]"X;^]:1RPI2#TC"GB< M:>.<%I(Y3]Q[](0@="#)5_H&/(#6 MMT?$BZ"[XL4#"/OCH? FV9U43!>2'N!*#%UWP.I()?D9\R33KKT+,T_+SRR_A]CP]:^I]A%L?HC\]SII# M"#QKP840/)F(#VSQ8CN'#I/LI%;1]#R'#C2?-:'83,$<,HYW@MX'YK? WXRVG@&(M<|3GUQSXU726"*IZ:*YT2+ MM@#%(XF-CBSM9EJ5=62G_'CQ)5S%F$#!57EN3*@JY1L30S\T7<[/*_$O050D MV4'*BE@VY]W,P$O*]:$/28IV([(D[Z;B8 4"=+6"3VE2HSXR6N1&1Y>$G(K M#&8TPNRLVO:9%)Y"]AW:^?;.94BD!HGGRJ[!T%P MM3^L3O*3S TXX;+\)U>/]WE6XME]@V1ROB/*LH'KT+ \5_H1E6>PO (+7T\S RE)YF,,QD_QUY(:AE7HWT-???| M7UUEG$DQDV*ZO=G40JR1;1Y-W4 M/K75;2- MK(HVTT+@=1[Y[1M6X9W1W\RMW>]W]GK:+?W7;F M5M%&2Y6-M*VB=:6EB[FU0-:DM*V.#WVN*NGN^'!01UMAGVMGX.(Z_]NO9O. M6_WZ@[*^JI?>5[500A[8E32#"3=V_=> &T-_RODS@'<=D<^ W<,74DKCM,8S M:5H/92V-0RN,DF99SNWE0QYQ??R39J0LH]P4\>V75 .99)'V/;-|&A$ MIR*J][93)4 MW8 90I)#,A1YSISB$UO_)7OR(?'VP^X"P[ZRQ\CU34*.40L"\T]/.A,%)9; M7*::S[$6YR;%NY[=W2!Y6F6O"(V.J/*JM%NMY9RG'G(U? AB.DE9?R1-(^.B, MD6/5E1J:#I50YX/0M_YLCLOH:W@Z UYP>K>D3*63*R-E'PO98&)"| W3\W]# MG*GE"Q\BDGE-WSU'=, [:Q^D5=:G5MRL#H2.*.B<,R41'2WM:PM"$(5;"ETWV M4ITI'+!)T#Z%>4SIUN!U7?B[-353M!Y0E-Q:#S _B4+T)(VJ'L#1+E[41]?< M.@+,$9*#/%2]'O. <"GC36XNN<8*TWP87$AYHP<7)A&IDVVTD\+"%763BPJ M9S"B[*T/;_SY*!S/W:Y%$A3V>?:JT.CL,?Y2GYUE3D6%%IVT&,%[X4+F]85Y M"!1Z",L ? 3@!.)%I>409)S>-Y@&Z'/F9 <_-((X:A0N> _^9.S,<)R394%'# M/Q,[HUD:D5R&*9@Z*#M @M@?/\:T?W1-+^PMR;]/3B7D2.PIS$F3'Q-B=YJ6B8:/QS)YA@EC/3.LMF:X1E"B"IZFT1 MM3^,J2[&KN$2DR*MBEA,)S.ZN@I;.A*0/M_!5-;_KXPW:U5V^[".8#EZ^N 86I(K=[T:^5GLY&*VJ L.IH0+;@K" MB6]O9$;FW>&UYH*9T#=>MV*^A?ZT1VC_G9#^8!9E F/>:'1$7E1V6US29(4Q M@[[8L$M":.VBIXU[Z="=V<6RW(\>1,? Q;\Z9SDP'GAQKN0P;ZF,3BA#R;D7' MZXD)GT$:PTD3JF$X,1.\$!,\"7Z.+^F:2)9T@T7#]QT-1^SW$/O?%_V(]KDS MU7YCQ3X2PEP66I)*-TJ6B0^X? @QP7G"=-K9^Y^!J09RP?@.B?^^\)9F[GMW' M20-/*VJGU\]2HR/QBKR[?4*3?F9+?%XEPAY5OD'>?2*D-#]*SL)A%8%,P;IY"RLI=3'NL]? PBK:+)4K2))A]G6@C M&R!_W%X>,PXV\D:M.80DDW0[?Y19W;FIZICXRZW)^)#HTE BX9*].ES#8>G, M.IS9U[70XCHO+PGFDV)%<6,\8).%N<-)'+06#8R]&> M 8SL@AOZ!=:5]*&9#N=(VZ\C+ZYCCAR7]+Y@-GLQ-CNF^/N:S$MW>5W0:_U= M:M&4B$G/ZC;4#G"GZ_V"$2? C&E6&G"5<4W.SG_I%P'5CY;^O])EV?IY'@_> M%<5MJ;LV9[A;\,,)%IB"A4Y2%5ICI,RZ/U<(/C=(J21U2LEB.=37GL]\HDS6 MRFPZ>[3- 7?:#9(GZ"M=5:A/:9H@5N/DT. #X6NI+>[XD=]Z=4: M'5GCY4RM+--RL@)>P46CJG+4" L\5XN,E3R2-0I 9;5J%!1QOD)O)Z,7?\U MX,;07W9N<0YT3DUSC'"*F11Y=ZD^S0<\TN/*CD[2?T7F<0VMBXK0P?[R],D@" ME:M"@RQ >:IK^F@NR,'CH=^U$#4AV*H&U_7LC8)P*54^22H0]O0ZH20>Q"*0 MQ;BF!4*]33I"JGO2#BG!%*MASD[];\@5+K 993,CE,\A,8?P*L9ZW>5:$P I M&"34-BFL@4F.=,SWB-Z+_KC[8CHN3F:Z]^<@'LF!,IB@88K&A K?%UO!IZ M=H =7]\,G$^AMWF]S3(!*NZSQ(")O.(\1FK_>@0"UD/-BNGQX6\2&P6^9#V M97DS!:T#-PZ)1" A!?WQMQ6U]TF=U.BT,[>N9*X*A7!)H=8/XB6YC2"SHS?SAH6B6$Y(\IR03W%2R&>\PT)V?[G1 M8N]V7H$9(K576-GVX>^6W#A]'][0D*_#]T(.:>')N%@!'ZA.<,QS^2P0A3I> M/ 5>S5X_LR0PLH20A DA8\0$D8UPW)#PLG8^\@R@K>@;],?WB*9#1-)3&@\:1J-CZ+S$ M&@]6 $!Y6OO) /3Q!DC[@C= RE].V&39UM91E4%ZSG&DVB8$KAD"FPM]O)G5 M#"8F!%P PM %RX4Z;CYFOIK0OK#TM")VMYXBB@]]Q 5YB#>9H%GS?. M 4R/NZ^VQR3@158YN(XK2$9:F*#U7XR9WKZ[3S>\Y$A+VRF=*25!J=ML#+ M1@Y9>>5G(N3DQ5PN'C-6J,@#D"IV;=I2#MT&:IJ,D#'YK00,]L9C8$6!K#>+ M=/KD(^,2ON^HE0B5<9/EIK<+#K!:"BX_H0!"$T+%PB Q_G\5CN%S!3BC7 M$:?ZXU[,IR?$IKZ'11W_O[?FS-.**21[U[.W/]BX,K4"T'#P3)-S,";+7Y!8 M;ERAFV6%P'47D3IRC_?4X6,I8MIM:(] (D]=$',G!)>']RKX8B1<%E)]>')%C?.#+EP K@1>'8\#T?]D N' M/U@ $W)+(.0Z!;4E)9C$5]+U"&'RBB1/,"_@*\974VIA$KPG.)(0_"T0IF? MV:FI4_6:4J!:2ZFE9 %W5))E7A3SZG#&7,6*PU/4:,*GB/#9%OFVSKS&@G?, M*K*$ ER](EH\9\2&J]/RF= $C-AV)2.0VOY\Y(((P!DTUCYPE*FP_GJB<9R- M,K71X3)-*EQ"CE!;X24C"Y&FDZ3A,N-CM*6>$'M [8;9=Z6ZP?<-[:'E/S MU;'#R5)Y:-P5BXVPOL4<(2&9AX=O.32^W%2@*!S3@1(>D_;.+M[X.8'KG+YG MT!Q!8/[9-,=HK%>F^VHN BQT&U.:.EYSDWYII[Z/-2L&(26 !7M-<:*1$)5< M=XD46 =,E)I4Z2A.3HN;|:(9L2+-1[LJT?%WWV M1Z&)KB#9S*ML- 03SD/O]YJO*SM5CVA25*8'?91U3D'>R,@"+EE(9/+.N.9:[_RB)*/IF.3#M*[J,U M.FKV^!4[ODDA-HYV'C*#AT9'7EM0%=:DU;/9XDU]>5/ 1>:;RM=2AH>7%8% MF%P5*B8HJ;VS$IN4%HK1Z,B\9M!MH+#Z+@6IW,SP:>/3C8*X6QF()OA4P[XM M* EG"- &]8P"7A;E("]5UVVTO].$"%_/:WR(YZEA3P>2?40ZYLS57'X==YR5F M^N-5TUU<;.-NB9>AOVS.N]F7]P0%(PJ-CLAKV;/WF4M (< ^",Z<#V$B/I\K M:YE;8U;/L2B_:!B;+)LLF^R%3W8G.RM14LY622E):JG;"^,_YT'HC!?11XYG MH\4!V83DLK,OC"2G9B/:'*TS8]\//3\$T2KD85L+KXV.-P=V-XP^PA\NKWOR M22)2&,ZNOGQY?7UMO8V@V_+A\Q=)$.0O$'W]97EM&?/[NL4.46YI,B;T<((W MHUV75.7GHF2=N!%8P)D-,<>3/XXM#'^17HK<'/.K*0 M;KEFR+D2(X$[N'1]$-:)$A9I2B#[Q]P#G"SPG"1(2H)+A [RA=)A$PN72H/W6)"VZ' ID5ZR"8QZ[X\P=<-K$\(%HL9OICL'J4-SY.RBQ.M[BN?1<>P\YEX^ M@6$F;DS<4E0GR5_<<-%SM$"J>ZI_,7%CXE9C<4MRD#=_>5/P@5V!5Y3=OC=, MWIB\U5G>$E0WRE_>5+2^&08ORO3+VZ54'GIZ%]-W2.G'*/@^@X T% 1ON+$8 MB.H1^:3UDC6'$&X>%VB1=5<2IQOZ"]+F26L,QY,_%?OQ!3<"E3UKL;NQ%F+ M_E9%5=%4U5M2JEW5.]?8"!- P)N!UZPPPD;EU!F("S@2<"3AU9?LEK=IE^JF$ M,PFG3)IZIXFZ;EU3RM9PA,WTSCI1&OJP]WE'.3NQN>$-S>F=KJDD8C$UBD| MGMLYD$8""UO'L[@91""";,P(M#^Q26?_LZA][VS^VN>(J|*Z7HG>2)9+9HS AS@+R),RT+DR.:#SGC'ATM=] D'$1E7$$K*$E%K9AW M#X2.Z*LN@C@N5\5]-[WY&+T),0L]P/$_R4ZTOVI\=#]?M?XS/W;1Z_E<.6; M.=QAU@>|PL? O(9B:#FEV:ZXXM\,P])'ING$KOP!GW@7X#)^]P2=R!!S!!XT< MOR\"7+"). ^?L_?^W,!KZWUFWKM#ZT?41YZZ@J)"$*//7*3V=W_N*PTAG5H% M8E4KB7,"+HSK*2%>'2[FAKL[6GX0XYUX.+7&[:B<"U@_MHH^FZ-4XKX7#A LBV=T;/Q\[GNE96$VM(^FM@P2[N"Y(^N$N2'BT6#P=(&J& M+8FB.-9&BCQ61Y:A6)HAM!5)-BUJ]"\9E^.@'L'52><3>.:%-B"W?<(_!I/> M]P%WW7]Z[#]UAW?]A]2=O,X]L.O^PTWO8=":0:- ^&/3O[VZZ0_3'8(C^^=Y[M& ZX_BWZJW_O[_V[V]Z3X._<[U__K@;_I%\9EOZ!0.AI*D.)Q IF._HNDG M]3QL^FT9N&0IV:HQ4)FI??KAF7,;VW>? LP_^P+IS]@H[2DO24_:ND?OQ]>N9GF7:W^*?]N$/K6G_E7N.GGLF2P*&5HA3;D M2_C*A*BE(W1/'GCEA.AE5@)X?B*A'W^.'FH'/& [3!V:XG1#D7O#1@\|)()LX MIILF$^QLQG3"KI<3$X)C>?UI2'*L0>4%T/01@8R<;_DXSOH((*'^QSNE=P^W M.QLI1/,2Q8M>U8<#'$BPR1O7SXPCK<(ZTMK^>#OGT#D0D8C"XV.T!*$W0R+ M/1\D!&<=BZAUUT% W"ZD>>=QU^8,:|'|\UMQT]T#X#,7]:S)6PZ+,&T] 47$F=7T7X5@Q"[BD&(7<4@Q*Z]%4,0NP]!B%V M%8,0NZK25S$(L:L8A-A55$,H][IF^ 7+AUOG";)^- Z$U69Z",-R.*4$1F PG MW*K3*3@@^\ ]6Y&D2-=Z[V_:".Y/P_)Z1A$E;0G07#2KBC+O"'D5=8L[S-9 MN7:D+A!U^T2Q3- "55IF=2DG;=|+]B)AM;A5%&T5WY" 8HL2C#_'CNV$(G=&< M)*X,_0??PR^ OHO&]7R']I[] L*^XEXR;_5!;F9W)&Y.W8N2M?1YY2[D RK@B MHVI(O$QM,Z!<13*9.\D-T/C1;Y2(,"X-QHN2Q&OJ;F;; M3LYII:67R263R[5U@JWFO.0\G-7'RX!4U$LD'."8 YLGL/56(#-_! M)@@@]8(1+G!=&^'1NBQ("7G!2='3 U8[)3 _3%923XBA/BND1D &^=R R\@ MM3VZ$)K>,RDW\6VQON317."/NJ\FM/LS4@3D-|*MASFN(M0? #^Q[$]=WN@8 MI;9I2;]PEMKCITR(_>TOAB1*7QEW&'>*Y$XRHY/QD&8>,N[0S)T\TP,8I_/F M=*W2*CXT[5^=<#(!]K)6(2EOYP'T)/PU%X P=*,*=/YX:>.;V,8\S;3/U(V' MSAC:B;8]=K#OB%MU0XKX/9+BD1%3R,]O[PW_?::[T>A(TNZN;^I0&$T!KUKB MYS1MQKA3MG3OBYT=Z7#1M7$ES6E4%9OHU*$_--]^QXK6=S%E;GV87,3;C8[> MSB':31.(LILUE84:4P2,.]1(V 7+82]5+QZQYO)5^8I B<^GU#! M/3+LRC7))@QG;4@VWB##9<,O:P^L-@$ZQAW&'5KVCT_P0@\$F$@UOT.62+IL M#45L="1>SZVU(DWP8G'WZO.0<8=F[K#]KSR/PRVVY#G8B#1M1B<>P./5-(L M 24/(.15')Z KC#N,.XPZ+_5\]#VO)G73NG);0 M2"/=@K::|:UMMB=@N680.&,GZBN_SG.ZA?ZTV[^^B|V&KF>3YSSZ00A!Z,#H M?"KPP-@)'_%)8&0+]L=#|VV?I:= M.W.O>D?@GH -P)3LF*%9- SZRCL35)CK(N..X0[/YLYOJ=|#|^>YX/B2UFB+E=3W!E6+NO*>5#B,9 M'_O,%KW1:5,0:&4;?TSX&7>]PAVVK5:*EYM!S1MTJ/D+V$^[]2'ZT^.L.83 MLQ9<"-'#W.AD$-M?8_%EQAW&G8ODS@5'O6O#PUIRY_S[:[&1U.C+HQ* MFV\+[9HW?&-RR>1R)9(UI>ZM4?,,-#(!K[> IY)O*@UFK=&1 M#9'7I=VUEC9S.0ZX+D<0,T+"DEO4#L/!^S=F*:.IV/X<9Y1O3?/41[.A%3BT M9)]$K;B-&H-(7A6ZC#/!8X*7O^!)5#]@)$E-565>D#-W M)*^(;!8<.V(27"$)3A(I-CJJP*.)U5\ZJ=C$89)>(4E/)>@[=;.ID&\)+;]2F]>,W>QX"@WI"S@0 M'$4+.8=T8>&Y%\148'-_,Z>SK[A3H /17VB" '* H(1S/ MXH?,"2$W>X+). M"J>-VNZ\(G)VO"0<8=F[K'3RWGV/SS0##?[ZKNW-/5EM#0L MST=Z=<+)!+@V!X%K8B\I]#D/H"?AK[D A*%+C'9<@35VEDOLK)_F(I6PNMB) M3M+^+J$14PZU"=T5&5P!V\@A,9FRF&$M\5,;.H2UY$ZZW88C)Y[7Q3:"ITBG M#OVA^?8[5K2^BRESZ\- \.@%K.@YS*$H.Y[5HPM@%5[%D>H)QAQH)NV Y3%?+ MZ8!+5,:*8%"S(K"^*.RJC%==PE8E=@2;9"\,37$M^'B?$OU^6I^3R@:B:A-R M9- QAW*$XB'O.AST0GB*U[G,R5'#^N<2+(BTA7[:EQW0$XTY5N,.V\,ZPI7>^ MU4 7*%L-SKT!:#LOI<#D 82C$$TAT:,I+F ? XQ'WID&,Q^>G6,_%]H=7&'<8=QAW6/#_ M4GE82^ZD<^>2=BOXJ#_=$[!<,PB<,:+ =A^Z6^A/N_WKN]ALZ'HV>S8=CT- ("B8^#)LA@%/.\7#M")*YR39 *AS 8=QAW&'<81L@E\K# M6G(GFSN3W/#KOIB.B_,B\"D-9*X-@#6'3NB 8%]?[5V+3D4675Y=7F@"%=L5 M.6,.5I$ U2@"Z 5LE3P!&X I2;1"]&YN5"!$_D94@I"#Z)HIJ8?&O> T._0- M!]XL$ 2X$(-E0KC UY/OV!Y+)4,\C#N,.S0'S7;/B!P(FGUW/!^26]N1\K]> MX$]/=] [32H>13.%]*P]NRJ/OYOQ>0.BVEOABTL^X0XV$7; <%K,YDD'&Y3H M^0NHZX9\0/2GQR7 +/6G A1]SHT/E&1.S*NN)LT >XP[CSH5SYX(CD;7A M82VYZ(9$9(()&Y.WBY(WD<8^CH9,6]D\K$]]* MF=-A]B"2R7P9)KCU%MQ4FT6*1'6K94-I= Q!XB7=R+!91+7L,JED4KF62IEN MJ50;':7- RT:6!NA5$,H\0XA,P.LMX*F"]$G*-9]?K#4<415YH0(!HSC>NAS! MDA,]$MU#,IE0P#?&+*.!V?X<)W9O#?K($R[V1,#URIL+S0_3TT,.9GN68+AHI^H <#F^= MBSKLMFK>5ARJ=S;?"*IQ^>8_!L/>]P%WW7]Z[#]UAW?]!^]'?=U_N.D]#'HW M:-0/@_[]W4UWB/X8#-$_WWL/PP'7OT5_]:__]]? ^_4WO:?!WKO?/'W?#/Y+/ M[.NFGI.UE98[]U0'SAOW'5TU";@>&HS-;>Z7*ISIV=L;IY69V*LX]?"'TKMM!77W8_5_26*AI[OQ):XM[/ M#SU*;;7U_7<<>M+ASV55]NV8])9HZ.<;4RI7_N.1:ZVVIE%'35UNTT;-'&EN M(+1\+)]'\G0^-/C;.Y?MB<7$ZH^BO)THIX0C,86#:3NI?9XR/*A2AE:"#[C? MT3N.6CJ2R,@*KYP0O%$W^.'FH'/#D4C_S>F0FCP_[>6/?>;/ MPTQI]I=>S91.)L51.MB1HF5I2()\>%);FCXBD)$C;MO?/XK>/H*HF>_'4=R[MA]L/LOG0]_IP@.,+49NE]3/C,*RP#L/]'P>3#PU'+F8T1]_CM 1AMX3AG@\2 M@C.EYJW$*MM%8\54,%WNT73LYIW'79LSK 7S6W/3K1[5()MES:=STD.;NP%C MQW(.GV3,$T 5TU2;9"(9]MQ6BCWW":?7?^:B5/N\Y; (TZ82X!SZ2'RYS]H,?D[9B\ MJ30>E6R+I+2(KO/J92R!R2Q:)KCU%MQT10PTJHL8M\&I+EX4-%Y3L]0Q](+T M,KED]KU0YAE*.ID0%R[CU1+S5%).I=FL(-F6-%Y7 M,Y? (3,O9BR_JO1]242B0>T%,!3;W-W,Z^\]!MYD#T5]H@@!R@*"$ M'P_B,>Q*G=KH]$KF2ND4-(ZK)8AXP[-W,DS18!QFK6./-6X?W7"R02X-@=!=((P]#D/ MH"?AK[D A*%+K$WV"]+A(-J)UCUVL>^(8W4SA]BQ1L/R M[8@IY.>W]Z;_/N-=0\:[OKOMFSH61E/$]Y;X83WY:..9.NA#YD:9\ZP9EP5.D M4X? ^T'S['2M:W\64N?7A(1%/&3+3&QV)5X7=@%FE-4!VJZ>R2&1Z@G&'&@F[M8#E,M2(<:7!TS@7!H&9!8 <XP[C#NL(VH(@/@JI#PU!!:[JPE?BY,!S!- <:*S48BBD.A1%!>PA_&(^PP@ON,S/YRYVNQD6Q>5C*TP M[C#N,.ZPR/^E\K"6W$GGS24UTDBSH:U>0VN;[0E8KAD$SAA1@!O<7=D%M]"? M=OO7= ['9T/5L\IQ'/P@A"!T8'6X%'A@[X2,^1HQLP?YX:+[ML_3D1B>+D41AG^!@505JB ,DO;8U>=.VVO>H?GGH--P)3LEZ%9-S>]GW!.7/Z$@^B; M*;G%$#6K1=^0!K9!@,_262;$"WP]^>ZR#M/5)C;(N//_L_>NS8DC6<+P7U'P M[CQ;CI 9$/>]}XAPNUP]W]VRZRF[NV,^;0B4&$T)B96$79Y?_YYS,E,7) $" M 0(4L=M3!I3*/'GNU^IVRJS])/\,M22;Z;MN-3GB3.OVREVF;FW?P0\C/(] MTM263FW8[)6@WJ"*^U747]W.J=Q.%54[AI6[YOOEH3-7T\ [8OCPI^V,EZX M+K/'[XKOPF(6KPNJXFN5?[FZG>IV+O)V+MCK?39W>):W<_CXFE 2;H6.\(P] M G_WC6T\API#&*P(8P\YLZEZM6%?;? 63Y1E5G*W"Z0+C; =$Z7Y!4/JL@B7I M0QS_:V$SI=6@ 8[M:H#C5MW"M<18R^+1-4PN.1,)\@&-[H X:!52!E9IZ*[JLZ#*@RJ:FI=A'HLM6;=C1*

MU&Z[>>9$6;2?L2+P\R;P7/1=2H6Y71NV^DVUIY5_WKEPN,H=B(O0D'+W%6#(_M?#YRRA8.^:V2U=;V^/6-N/D)3Y B;=69&5*((<>\@_C-9S9F."=4 M;34I2]-549]MHC0=[7!1FB8FWL-]:8TJ2K-J\Q>N!I^O)KR.V/87]^D2Y9W"_MD/**\"K"*Y[PRFF#]BAHT^ZIG<'>)6)):'//[J.*@D^(@O.EH+;+[27NUX:] M=DL==')T#L1(J[(LR+/9?+LE)L\!{5AIZ7VM0N@SE+$<2I*/R%*SY4VWRVC M*JTU4/P.U$% {[PF)!49TSKDDF'L+%9/&L*C**UPJ.Y3_H_FGW!2H.G"7W! MYBJ,L$0O[3&S??.545=>[I)}A?-Z;=<1(3XU6IYR<^.Z6#Q/'=[>PY[\U]_Q MHYLWW34>J:3>^Y-NZV&!'O;'R9/80TZ2;.)@UUZ_6Y(9.55%8)$.E0P$-_R# M(Y_'YR]Q1+KC]/X'DGM\[%(2:S3 F@IC3@-CSJ;"]X)K)L_F#JO;*?/M5+7+ M1=I@"6=+4=*W51[I>U9)+"MMI#?3GTZ9902@NLW2TDGO'L1FLA%\K'O-]BY1V M:,(JC"4=E?7M;*0S['^VI9&4/B:47TK6G- DR;1KPW;_!&-[JDZ$E]*)\"QO M)U^T84W1<]AOP_O!>>]S\ZS_^@L9K6,A9+XX;C&C@+4.T+_:Z2;]CB?- 2ZX MCV7%)ZK;*0V%73 =YNOFE&$2'4,B=$LC$:K1*-6O=OS5)80JT1"\IE@8'#$D M?(Q3PK^W&W5RLHZHLW$Y5K=3W4Z)G;CK;-@,]Q2UNR](4<'\\Y':ZYQCB/Z" M0PD5CZANIS04=L%T6*3]>@!IT"^9-+B . #\Y4/EN-Y5XH>R8K% &#KL_+T M[OELYBFWCCNO7U:L[VR\?-7M5+=3W4X5@]IK-#31DC:C]@K$33B[(+=^@"54 M?;753.H')QWI/$O\N3 >4'&*;:V,?7"*5J,\G.("PA??<2H-7#R6357#%D_= M]U+=3GY4[U>U4/D+O<.SO)U\YMRF[X_DN\TV7UP@D1L IK',7B-M* $R;^5 Y@N(>_QANPQV\6]F*"^Z.2N 1-[4_F53.&:OLF\M#': M236N51NVM'Y!; <#*A%55+.2 "5?[Q-!VF3#T B(D/YC!V(PR]P#>UY%^@V!K M\(:#B@N_F5'W, ^45D^K@&X7]&C//P[8+8]UUW_'W]%T56CE)STYU.]7ME-E7 ME]P(R?"5?3-MQZ7.JQYW4ZQK^_]_2/@8907G"9Z.K6AUFT GYCOE8)VN* M5ZZ\ZG:]V[GPV]E@5^39W.%9WLZA0AE"_;@5FL$S*@:\E3>V\1R]"6ENXYPY M]SUL.M74.B7Q*E=QCY*B\RYQCP.B<[]K_M;"9TFK0-/76+A&. M"YZFWFX<;IIZ:X SG5MJI['SR*M<%WL>YTQ]#E._MI4E]*#%M'9GN; MHPXO1IJKZ*VBMXNBMV899SZVFS0^O:NI'2TY?^$,27(S4Z MQHK SYO <_E8-VGM?'BR;M>&O693;9R PTCX6^4.Y$UT@'2S:')# H_LN04; M,YP%IH7'-KUFA8M]T6:\\5+/?3QTB C^3CP_MSSRF>%>K M"YN9.YZ)'/,CS>HT7]FG-]/PIU)(1)[BL9R/C? 1?00]6/C9CY0%GOTX**+ MQ=VB/#%9L]LWM&:S.>F.VJU)9S3NM\?=?F/0UEKZ6!O]#U8YB8>F;DAQ+^QZ MY#+]Y{4^@0-^U*TW_=U#:(_86;:[AZ>[S_BOI\>O M]Y\OGN&/+_F C&NR^Z;?Z;@NJW 0/C\?;OH /"#NG/Q\D7 MR=&> H;VV?3&EN,M7/8,K_C-_ITSU 4[7&"8"3R(BR3091V7#OAQ@=.K\5=@:C>O%.4WW3.I,B*AAPR;\6UYK]AV*U\ MAW^-WU.@W4V#Z]K-'9H9W$9%Y!T@!U:T%@/3XQXW7TAH5D9W4/L4D MTXTIOEAN@1\"8BXU\!>(K.BVH>B6IK;U!Q/%5U)K6$%BICI\!?\/ZSS 7,0M<:G<"/T0?.3XKBT M6_']+8= Y$OQQ1M+?N8LW.2'"[GR55VY@;,A-XN:-=D^WYP <@@?/)8?I@]Y MRE1_9@SOG*XD!MT MC>(CU6$I-)CQGWAZG[JO*^],AT4B7*2NG"_.WV070 -]1#WW@%\$XN-Z:X4 M1$S7FYKSI9]+)%[&W'> L$[X")IX8K0%0E\@75WY(T"17Z,G;X(9:O1W_^FM M)CZ=ZK?7U'BK@GJFNB5/$-9#"%D6[!OICB31D# M*T)!MF(S7\&Q'BE'!YALL%4$70)1:=+ "$M)EH#(]Q;N*'@[_$QW73!28!_9 M>\I@5"8_? VSE".2!PSEP9SHG7Z3G%;\<1_,):1> "E+\L7,PWG#DN4R,'I*V[M*/V-S4&&".=[R4)^W65B+>FKULJYTMP:E'YGVP* MX-%2P-[^+>X%? [/@+D%8&X%L4KZDBOP1_@FVCL?D5WAR=<4%4-9XIY-"V67" M08A>/F6^@(OQ& &38RT>'3B7#?_KX:OH:N%"^-+_U!6WB!S"#E6:#5HBX2LK2TZ *C>VO8!?_*## MH:#\@GI5LW']W[0I7(^T*F;C0Y_9F,U&P$U:39Y<',"/_@B>#77(YU"VP<8M MD[VB-P\U"ES:".S:^,Z(3\[(O!4>M3T"-_A95%9B'_" M_F#/%DH?T%O)QZG["Y2:-D-113J7(\^C3'33M=YIF^$N!"-2A56\A;4LQ+GT M&^O>5)E8SIL7W&62]=(-<>+E<(2%,C G0=>$NP*9O0A0@SL")F_.B(C)5O) M=LPYA1(*Z),)]*4<;87.']/CING$@"3H+PB" .PS'6C0A,5<9>(Z8!9,0 O4KTP%TX]&8&GX1D+S FY@>8. (]/>2YN;NFWS@) ;0"QH(HX M[[EV)M6N*&_9D^91,L<1C[^$VMU3Q/0/%1Z%=)V$-^D\8)).5*@B"@^KL*>, MT,M*RE/42Q)5=@2H0$WWQF GA$@;%Y= $^CL 3'$%114=92>.2S0D[&9HQL3 MY+=2D1<>0-#$0.]/T/D#FU_IONZGN*_[)^-^UJX4(V0?UP:G[:'E5;\B,;S M.5Y+%:O \A=@LP]*\TE#8[68M4'T@7036G#,OQ4H\H801P%Z(%.5L%%N?@MT M9_F9U)I!>U.>WA@HQU-T**#)A$_ KA<3,+>!C%RN/W%[W75 -[937]/#+U^ M*'[ZG!08.ADR@!C^O#T]>E*0?U@ BS*X5I =*=-<2(?\ZC;P^]*RATMD)E'9 M" [00EO.HNK$Z'RV+:42(Z3MS,6P'*N7CY$_'CV1+\5^!_11D1EUK(3_!6KI& M,MWQ;U+_<,(Z/>65U@T=I+JBL80S$-H0X)_01TJ"B8A*(/<$+%? CYWG5^D M<@)]_$>>++/NFJJ,[_H[:,[/CCBZA!?S?G>W&.O6P>*GA]HR?0Q,BO!<%#1 M!?PO4L\=90S4YI!> (:'?XW,'.$6L6SBEAXRB3:._<_=GX, " M7&UUVY\R@<46:U I":P4 71+ N8%-A]fU*^F/C(MTW_/#3^0^YK;2$&S$'SC MX)W*8NY(W72*%C#92.A+E=&/*%!! Z7-H)6%U]@9NF6%$Y? +2H4!FW'>E]?Z MR=Y#)L-_PAA7YE?*\6X@R W#V :&?(IY#)+ 7LH+,!S& M8T?"_2-,_S@ED&]B RJ@6 K? R>9&F1#=;8WG'UU$WM<@.^^K2N&J4KA.+X5K MHT!.J16.QF0YS8A[BM-SURN+)E'$##8JYRUY-9^&!5CG50>[_\KGW35UZO 4Q@^9.Z, <$^&4!PZ+JZ)C6;C+2-/#3;!?PJE-P3Q=_M^F!%T&5JSE7E#00/(Z\N\%78K\=\WX+% PT(^7N:+(^KW@^.&"8E@J&X;$2Z M\Y P(@KDXQ QW- (XI(<6\RN=^Y0QF=A^98 M>/0]$Y!!=X.\$]",2S(_E@7#]>&T'2%"]S#CJ9CY2I(U;G/I=AAPAM\78DQD MZ'7WXCV?&?_?>SNFWU$O((!%U-R*Z"=M$#5M+:F=R,R0 MLQ;QIF=Y'Q:>9!/17\R8/W6X+1LX,8F D!,(^;H7;EYNE7ZC8X]<\8D;,K@ MEZH-)8HK$1SW]KS%E1N227;2W2/ %\9([Y.1-612>N1.8*LO"4'8D=@@?6<+6Q9MX8]%<)!{/ MA@/+H*-!<5LN;#PD(2%PHJ9L0(U1F 8(B<]/XRDS%A9[G(2&ZCU6$%&^Y0W! M0;K<;FSC;PB%&PZ89ZIM3+CV.YV3R'YYFCIO-EJGSIN,D6+4V<),K?$4!0B* M?DKK"@AS[!45[U!-&+YIY2S6=]$+_^=6@!UAO<"A0= M] <2;Q==U^.KOR<^[@W]_T4W]JE%OYOR\U6_G>B)K4TVMWNOW"]I4IY7^DFTV M-=!6+K6FGV&YVA9FRI#T1H8?HG'Z1,."[%WU\%J0,5GXZF-_M? W'3CB)B\;I/T MN3H>%))HIGA(+&6"]3B>ET^(AAT;F9R&5-K5'!PBF33(W%B3?DV*U$1O9;2S. MZ;"1=JG82()3@!$^;*4XDRI58P=5@\ZM=4IN+%"2*.:;Q^WP8YKAZSM_[L5 MK[2=0_KB"M=VNDVGAQ!LBE[RKK;A%B<,-E>JR,4_8FERU MVK"K=K2R*!V7X&U_Y'7]1Q?PE1@_&S%.*(4MY->$UKHX]]%7R>;#84SDKK8+ MJIV"? #ZV>==LE1P+;F13S+G^3HEXE#TZ'KN+>/9HT>)@9Q9<.DCF'DQRKE&U MPR=L1+\0^/R=HW.:I,%))(.BII!4/N^3]WE_=6 36%26RN\JE_?ILXE0_XQ\ ME\8:.K6A-MAYPF[EYCY5-_<>%9[*P5TQI1A3BK&BG+XQS.U6&[OG_E3F\L9H M],#\Y=]H<[.:USTCV)(HMU]>(%;PC,D3L>6*!$W%1]?P41E+2%? R6.ZAE-T> M\-&FVNQV"U+YBD"#K1EP?%C?,:1,G_]+ M%[YF]!1*V&G2S:^Y;%D6F4K3['WRV3+B?S+H \A;^\[O[^1'L2<'!N. MR5<4[4=XNPU/528+;(8HUQ&;HI;T[\P73;$B'4YPD6BO1=H,2]'9"'N4O#GN M3\#X,1-]Q0*8T'^V)]C[AR^;M#L4Q<;? L=;X)B@UED1Z)\#\K/_ZS*=4(#U3 M#^0XG4[,7\RX_C=SG8!$&R&)]FM#V_&3[3H(4')9WCU"_Q6,]CAN4?H7$\G=P4F4I2-9 E58SANUZB 2%!UY@B)U@,NU MA8!)IA3%:\YYFRS06'N-AB[.I]B\WZDWFOG]MU>6B_^* MJ,;>L*(X1;OC3;2.I,ND5VG_P3'HJSEA,1%_,670A59-;;S7G(2"F]%LM+/, M[B4G7\'L_Z+E@=FC^O#"..8ATJ7V',7>H@'+[S5]PTY"B=L)5W#F_LI8S M0,SN@1&S"393P9AY]EQTW]429X"=O0- CIX9MPM=CYV!,.3'*8J_6\YKG+K$7 M,%YAC(B6F]UN. ^D6PV!KSH(KSQM63H(YW(T_&"OS%ZP+ZXSPQ;WZ!+YR_2G M4AHE_0>]5G)B3:]U(A-K6E>* (DY\OJU0Q0&71KR^39FMB#FD0<]YN'73X_WM MN0_1<643?.HV'VU9&PS"8"[.H OG?N/'PB?@>_^&\P9YO]!4]1 U8] M.01RWG!6KPV:DZ:I_4XRA0DI? F%'B%SB.TW')H;BX.@,P3C$MZHRQBTAO8G4 M8)],'/E,DIM"/B %31]PT,4T3_F=P4@%]428HOR [*P)/M%4U\]Y55W30Z# M>,MPS"1"!W@1Q\0.Z!L=\4^QF5@G]+1HRP:G![6YW4T=X2+;R%)\B4](B4W! ME6WV8SW1>2_:Y"!QCG\")06 ?-.*3F+!@)X(Y,'2?%8QACULB5\? 9$\@R]<*LW\.DNT# MTK94K94,Y0>-K)>86SJ/4FAP_\!*A1BG)P-YULSC]J_U4&#,*D)-N?+^0) M/O4F?.M\0%5SHPE5O0%.J&+6JYR@L>S54,,)Y')#9AR->@-'S5 Z>CR$&>T6,F[C M!X6 S\!5Z,[P%QZ+OA<5!11Z-@W\X A^/7[_#]3E2/=,CTL//D:!)1>!O02) M6(@<4:DN_.==F3'F2P9GVL'D##WD;5'W- EB+L4EF_.FSL(RY#PVG Y #H1T((6"!N(ID481>5NHTF1]M,MZ7D*]HYDK('TL M.;S()W%&AT_]9.GO^1305[BC!ZI>ZBI<>L]<#90@I0=/#!!>V02>YPPRP M9!U>,& AI03UA7E_(8+82-9_[*']?5CH_LBF!L/FUO ML)&VER7<[WZ)_NL8^H'_PW2QO+I?'T.2;E]+5H\3%'(=I[FO&!Q\"S"T$<[N; M8N+GQYHUG60/<9QV;=A7M4;R.$5CS4F[_@I4RH7R]ANWH0KRB.8RG-)PB4+H MD03Y)XQ11_W3&'44]"<(QPZJH9N)$D>Y'2_DB5\ [J*XE;.L8K*/GOD,2Z+'_M16DU)6^C&5FZ)I)8SS*[M-6L=QJK!_3L<:GLS_M:JYB4UTZ]K>6;97203377 M#%A*S9KJ5E.13B#KN+]1TG&,_5TH#! (L=WWB8/<,$P=3I9K-1%P!/2#'FF91 M57%>4IWFFN"]1.,? 98^,%_TW.EMGW1KPT%/;;>+&EBQOVK*BLPJ.BN4S-9T M=R^4S+"DN=%4VX/RTUEN<7^]%2RW,7MU/Z.]N_7.!GM)21_'B[UNU5-,3@Q2 MB"3,YM4.ZDC5>Z8 69SIZ]FB[T$?9T>UU7ZK+ UD*DPZH+@I%),&F'FG-G?7 MZO;9BN@<3&+G 1+QP]:,2I4]?676BSD\F(M7[_C8:O[$5\+/N%T_:, M[SVZWS&31Y_E;OSI]S;LJ&U-2SG YK'9>!8#+P/PHBD,NF(%K9S#$+%-?<& ! &"%4H; MU'W,2Y09@7%RX4GF-NR7+83ZV1&X@A*P!>#"TY#8,<$WN&GD$Y1UFE*_Q/-[M$[]-^RG'I9#IG)$ZAJ52*Q60H!PC:#1IB[2K1Y K\#\BDR!.PFC#S;6+W5R/-I=DC'^3'0AB,C2H.HZ]>G4EY]VU]GAW MG6+!@W[X?FEXAY39WURUVK^_|_ !0D3&?FN,;H XO M/46^TV@D4N0SBE*IF5(Y%1^IZ(W>E9?@U,!\7W#[DYQ:&$?UD2=;R6E+@W)&^_MY;R\,:C03+X89_!_3E<\$#R*XYHOV/X:RS[? =&]E"OZ)Y-GW&G6MW2FJB_.@_ME6^I[,]; 79QF^KNK;7TX#03G)^)DKYQ"KI#"LK3&O6RDORWZAM=OBO/F]>_ M^W2O\X/;!G4 X? DE8P=M@&5#:9^_NH2!5S>D9^F)07A5;G.5VAQO.O2.7?G< M;8#JW>V]S5[2CU*VC.>JL] BOV+)[-:>:WLE/ZTV[*75SNXCM8]3<++#'D1G' MP)Z[;W@>A3J-=&!::G.PLT94 M#0C>W%[Z?G.]%>.]C-3A_M$!/G4:G=IP 'RWRDT_2P0[>@^N3@-S,1IJNY%, M>#ABROKN"B^]MU=R_ON,?=? S"K;+M);S'?Y\6$16@N,A602-'&^I6B>9#+^= M;G9\;]4*NZ"BOXK^(O2WMOID__2'*7=:'VRCG=U5>Z>_2[":_L ID(;RY&/N MA_(AVF1:!J 4?>2\LD1 .8<;L07 -YP%)HV?KS82[]$@CW06W8I:CM MULZR/=\MEC\455'@)5#@\<5[LU$;ICIJ8Y!,6R\=!5[, /??&8Y:>(]+=XQ3 M"W]ANH$I_XA0/-- G8A[ZA:>P_.VF.'8JO* M@;/++SQ^Y4"S4QOVFF]JJAPX2PP;'+]RH-FM#?MMM=&H*@>JRH&RD,7Q*P>: M/8H6#:K2@?/$L..7#C3[M:'64)N]? DDPK"H=]%*7]]3E=4VG#\DA!L AFEVU MV2E*^S^^NZJ]*C(;S/R.W]&D-8 ^FL/P/I.]EHN&_U=@M5450Y4>-7/)K2O%$6>)S+2_(*C0YI&4V8L+/8X M">\ZRR=/9LP)T;HD%V[T0,R#8U/C)_-'9OA=%UG FI4 &,NV_-M^<_'*EGC<@\T+T"L;O*O'IC_,/G!8'>O+.\, ^H[6]PT[#;7=*RJ%:^-,*[^+ MO:*Z"Z&Z-5[V/5!='ZANH'8[>_"I%T]UEU#E\9?C_D0?^MQUQLQ+R.HJ'3^W MB$*(WMO?.3QWHQ9,\5*[S3/R*U?XE)OY%H=/K49MV%9[C9V9;U7,L3%&?#%M MTYLR0WEQ',C3]I<=_WM&.UE1-JORF@E:'J'R.Y&&,W:L-\'M:2H1ITE1/EX8R< MF;(R9,J6+?$\98%*\;ZX7"]4WN3&HUO*O+!# [35LMG8,2"G_L0^I^:=N\42L MK57R#C6L;:34[)?R$LE5<,Q[S'6-FS+.W:\19^IAU>O)7".E5VV03Z4B5YDS M.,LKL][K2XGLQ;-6L,>PGRIO\4SV(3 :82/Z".0 M+0L_^S%$NL:1N'A36P)KY+\Y\C(05[F-$K'FNLO[&D0^;K)OOQM3Z'1&0'$S+3ECCI-#OCRP"R1S=+48$^MS\K3/Y^> ![X]*;>//[X_KAYOG]\ MV$1B'W7;#X_/=T_*\Z/R,(\[V/C#Y[N'I[O/^*^GQZ_WGV^>X8\O]P\W#[?W M-U^5IV?XX- O=P_,3$8Y^U[JS*)6[V3R"3N7"F*/"%QX/",'C]D,,[,0TSCA M*D!)&.7,XBT9.%;*@1O @!>)"BZ;.RZ6C]>F/9=2J[9L#!Z@K:5>,IT"&:5XH/?P47 M,] (MW1XS9<3\-\;LZBHVLQGB..RRB04ZI4>@-6=$T)51'^4@]Q#FH'_#&K;" M?HE[<*F#@L-O V\,E7[X!N\U<3G^%,C&Q+L=H[>!ZC''5!XQQE("!]9P^8]P MM3_J3W7%P)1^5U[WQ+1A(5.W %CPXIDL2)#;\A8CSS1,'1WY]9-F285QZ$S! M58:-UX8%*8Z-5!?#,"(%.AC \QF1+P:;T!]?P9));#,9A3NM_DD4[MQL5)ZC M$G5AD8]NO_\G4G]_-#H!046NC93V-C7'4V6]OQO LP4"X &W!\QEYUY64^K M6>\TM$(J:,;U3B_?2OL?K7/N>RJJ^JG:T\9[Z]>:9=)3=C5ZQ3K?0]M>3I5 M(.Q4\%2*C+[C#ZQ*B+_MV<(BD_IFAC;8O\D,* J[+@:0#\POK@IUJXEIITBU&6V4M@+)94RAVP?!7A@(-METGU$LH#[I>M_9,\U\':\9P?LGVJ9/>F#N;:U_;=II]_YPF MF%74<4K4|>% Y!&Q#Z+F05Z":3=XVY)F/V$1'W4U"'Y5%'_M/B5K>_(H2LE]_<%H:F^0K#$YD))5?EJIE*S3EB3;*%E8P:KVNFVMF]_M3^E. ^)3?9KIXZ>"3SEE M^/8(59 ,[]! 9;7;2*+8*;8O[9Q%YMI'AV_VUJ?9Z8I7G8B]D0^;K/=N0YJOQ(O LP4"X &W!\QEYUY64^K M6>\[M,-,&J M@*;V>U40]CBX\1U8@>W#4;UJALM*LEC3V+=P(=ZC]K[]TCAV*C=AP4)\>X0J M2HCWR>YHIT3XJ_AKZ;#K4,BUC1 ?U(9]M=7?689? $C*=D/VZIAEZT:*OVR#1 MU]E=)[RD"-DIV:_;(U1:HJ_;)-'7ZB1=;E7\]<1%W_;(M87HZ^)@/%73RB+Z MUIBOLCLE;'0% [E6_*L^O+BV>'B2%S\DQ40755[&ZSH$5LQ;-JFFWVR5QUE6N MWX(5L^T1JBC%K$V!A7XW.6BV"]J7#KL.A5S;*&88H5([_9T'%E\2,IV03Z)[M8-"Q[1U&D4-K+V(J.M53/W$1=_VR+6-Z,.XCMKM M-TLB^BXMI/Z(,X*]6/H*Y<&*Q5RG1FOVD)T]YJU84OM=G:V6B\)F4[(:CUPI[2>1F6FO>;.]N EQ3I/ MR6H]>F^Q7@MU]]V@%Z/UDI#KA'VJ_VUJ?9Z8I7G8B]D0^;K/=N0YJOQ(O LP4"X &W!\QEYUY64^K M6>\[SAR?_$L.N$9-_VR+6-[,.8 M@*;V>U40]CBX\1U8@>W#4;UJALM*LEC3V+=P(=ZC]K[]TCAV*C=AP4)\>X0J MRJ^JG:T\9[Z]>:9=)3=C5ZQ3K?0]M>3I5 M(.Q4\%2*C+[C#ZQ*B+_MV<(BD_IFAC;8O\D,* J[+@:0#\POK@IUJXEIITBU&6V4M@+)94RAVP?!7A@(-METGU$LH#[I>M_9,\U\':\9P?LGVJ9/>F#N;:U_;=II]_YPF MF%74<4K4|>% Y!&Q#Z+F05Z":3=XVY)F/V$1'W4U"'Y5%'_M/B5K>_(H2LE]_<%H:F^0K#$YD))5?EJIE*S3EB3;*%E8P:KVNFVMF]_M3^E. ^)3?9KIXZ>"3SEE M^/8(59 ,[]! 9;7;2*+8*;8O[9Q%YMI'AV_VUJ?9Z8I7G8B]D0^;K/=N0YJOQ(O LP4"X &W!\QEYUY64^K M6>\[M,-,&J M@*;V>U40]CBX\1U8@>W#4;UJALM*LEC3V+=P(=ZC]K[]TCAV*C=AP4)\>X0J M2HCWR>YHIT3XJ_AKZ;#K4,BUC1 ?U(9]M=7?689? $C*=D/VZIAEZT:*OVR#1 MU]E=)[RD"-DIV:_;(U1:HJ_;)-'7ZB1=;E7\]<1%W_;(M87HZ^)@/%73RB+Z MUIBOLCLE;'0% [E6_*L^O+BV>'B2%S\DQ40755[&ZSH$5LQ;-JFFWVR5QUE6N MWX(5L^T1JBC%K$V!A7XW.6BV"]J7#KL.A5S;*&88H5([_9T'%E\2,IV03Z)[M8-"Q[1U&D4-K+V(J.M53/W$1=_VR+6-Z,.XCMKM M-TLB^BXMI/Z(,X*]6/H*Y<&*Q5RG1FOVD)T]YJU84OM=G:V6B\)F4[(:CUPI[2>1F6FO>;.]N EQ3I/ MR6H]>F^Q7@MU]]V@%Z/UDI#KA'VJ_VUJ?9Z8I7G8B]D0^;K/=N0YJOQ(O LP4"X &W!\QEYUY64^K M6>\[SAR?_$L.N$9-_VR+6-[,.8 M@*;V>U40]CBX\1U8@>W#4;UJALM*LEC3V+=P(=ZC]K[]TCAV*C=AP4)\>X0J MRJ^JG:T\9[Z]>:9=)3=C5ZQ3K?0]M>3I5 M(.Q4\%2*C+[C#ZQ*B+_MV<(BD_IFAC;8O\D,* J[+@:0#\POK@IUJXEIITBU&6V4M@+)94RAVP?!7A@(-METGU$LH#[I>M_9,\U\':\9P?LGVJ9/>F#N;:U_;=II]_YPF MF%74<4K4|>% Y!&Q#Z+F05Z":3=XVY)F/V$1'W4U"'Y5%'_M/B5K>_(H2LE]_<%H:F^0K#$YD))5?EJIE*S3EB3;*%E8P:KVNFVMF]_M3^E. ^)3?9KIXZ>"3SEE M^/8(59 ,[]! 9;7;2*+8*;8O[9Q%YMI'AV

*MU%T_*K12Y2FB75*0FG"[H!/,I*@=L7R\;(=X2F23=WR//[A,-P'7W,?)%Q-) MZI],=W-37H>2,U+"*P0"1')7OD=Q)H(U'^_0#*
[#N\QNS7MDWHK;OEUM,)/]L59Y">Z 1ZLTTH:9>)@_7KX:'?K.<|<|_"H,&OQS37C#CQA>?X9(,(#;'L[D+3-:D7>Q7,O12 M)
,W3>$6'9,"F2#^JC;\T+U2E,AY"1'QQ$IX8B6_C;FK;7HHD?D,8N$6 M%7+[79DZEN$IK[IK.@N0D!&8 "ZS_UV8_CM!QV C'S[RX%+YU_Y4]Q50Z>'# ML;5
G0D><+#"2HI;H&6@+D02 \D-?7DV.11(_HYT2[?'3/&F#'X,.L1&B"HI M_8YV]HWY4\>(7&0*FC93T+291%.$R<2Q+.?-M%\4MS'!!E)PLJ_)<\/O9!__>G--
/PI M.MOJ#>YP$_F;XLWBZSI\]??DY[U6O=OHI7[5J#=+S?=ZL:]V\3Z1OJMFHM]N# M0C;5J'=:Z2_99E.=U1JEUF3(EB))MB^9&"WXT?3A9>/5_)[':(!
3]8P**& MEPASK#AM:]+Y1D 9 S-@[H' 4N7-9?.Q?;%02##@&"0*JGQ>1Q^^,S]2 M2(/+QY@\)_V'3$(AUE,Q'!:DR,L&^)*K;F/=,P5'UXY:(;1Y="W?
MX=G9/5OZ$V_K9H8*6FY"Q8%CC2)FE>S4<>C$ MVE>=#)IMQ.T/@6:=DJ'90@&N@DC.VT'G^:.9Y)KG=*7S%?V M"47X=:N>X@X)>N?) MIY?
40N)DT"-#<.1"CUZ9T./2FO'S!A$LH?P7K=-OF$'|\T7[*MVQ'2E M#B1L04K7BE4-#_!\!$I+]3E;/9F)_=>R7;_23*#9FA[E!=M@)FMW: M+F;W#N+K
H34F8]B-6YL2A$%$?35@?V$B9,/S'}P,)!*;JKEV&TT:L-.NU.2 M'O@5 50$L*V#?5L"; (!M,I")RGR_,!Y3^F%V!=J\14)FO/A M09L(X1CO2>,X6B$BM|
+.E+/^XHL*[(\G&]PEBQ;A2@"1R;+,YEL71VC3+^] MCE&F7YW3,>(MB$ZBK+-3US:HZ\SR"VKU_H;I.(=V9J[8]!IGYGXZ3O0WV'!M M" J
Q<;8:*N]KF||T;K0,7QD,D/1_4BF;5VAXM+@;ZRX\:?,8W(%ZDP0#[W MP XY"P\K4+^RSV8IK>ACXA?:#13T.KUYN]ICM@PZJB3=VS3EI
M,<';Q#-GB\C:?A!Y,ZQ0[GD9--9-^\P%A%!T2J84E=)3_94I(\9L+++9R%W#/ MCHUM5,:HEUWBP;=MG<<;$Z6O>4N>[ZXO(2[HJ@
#FETT"T'G@O/=;$N=M: MO8=$FKRMH-SW;_$:9*&:-L)'}!$HH@L_^Y%$E>&12N:;K25 1_XJ#0*3<_V%
M78]PV8^Z]:;_>RA(F>:F;9'33C)4;?]\/A\]Z0\/RK/_]B#C3]\OGMXNON,_WIZ M_'K_^>89_OAR_W#S<'M_\U5Y>H8/OMT]/#\1_G_XP]87A@G4>+6Q A
[]>9Z MP[X>6]TCH+%1CX]W1NMF%;;G2H15O3R$!4P]ZF5KN++;T&EZTVRTO5T], M MH0=T0%#3+>4&3'UDT7T6)\QT*.\]>XR;)'"L/T'?/ O
M@LHKAPHEW("PQHHK0K:IHGV+?-IQGL"{ M-L=N@QH:=E+2FU&[-U4-]"_]IRR;ETI: C?HYN!N3&R&,V><=X'2#CCW37\7 MS=C>\$(-;$.
(5\'5^SCX8/E\4&HV5D/IN_[.N^4X-V, F,N*AO6 :GM3A)L MZ2T"C]['D+-#XHR3!=W:4@.DY+5BQR,N35_P;A9SN S]Q67<+!N]TR.HN@-Q MH5:?
7(%Z_+Z2@1"^?]S/D9O7E1MB_* I3S?I*J32^I*C.&\VMJ[.0A6X0'@V MB2VQQK?;9B3U"*]RO:DY_\Y<5$- \0T0XEH+,:*[PJN>M1]MC_OIU8;M9$.Z MQ
=_2Z7I__2(E3F(P,[X)[?KS=DQNU_.8<-\KZ87XQEV%#/^S__7UY]]3Y[$ M\HEI@_6(7!J;N8CD>W-/;U!Q/8Z* MWD,-
WG3X#U/^%@GL$042W^I*U_6MXHNI3![LMO2- 'F;+Z44 OZ",H13-() M>Q_XK@<85!"+5:LV-&?HM42/[GH7PN[\]F "HZ*AXG7"
M@B1H=P^$F)0V;1"2*5[;;43DF@VQ(L7DOCJU87.PLV9U \P4VT,DAM?&HUTT]I-?<;H99=*T8U.B;:C4[?G?)GO$OE>0.0 MTE7N[*GNCZ25!
{R7HT(B06N9)1:^+-VQ5FU@0F;Z)F4?O5[X$86 !F??E]X+\Q]5^Y _K]/IN) MH*\+R\&KM7C 5B<956I\%GB'BQYP3&B=#4 M!_PW1L;TQBS'*!
UJ,T"T2;I(}? *1G\EJ3(@2GT=6>)->F&Z*T"N&&S'MCBW M(7"^2]@\88 V0.S<*#VH#0=]MY>F$GN2WAU,'...IVI@!$(-\X%"]. $9W& F M
!,.8Z@2E226GW,H]":?)BS%03E-0LSS?P_O56!$2,<9](I(F<$3/YAU5A?9 M6!YF>8DU(T1]A0(K'}EH:S*!#B8D8"/Y?#K:FG',A]MY$W/!!BG2+47W/^]H
M;N+X9H3+I@QD"^,M8C1;]D"V9TPIT0WD&BBFXQCORB(@9!I*7B5F#[=\ M#YLQ722OKX[GW2YF"UZ5L.7MY_5%[H'B"CY1"VMV7HIL2U'?@C,
"DFNHI$]>9!8(AM\]0TXK* M_DSB#LX32([5V<)9HZT)T.ZR2?0:]I))?LM#J_/?6FN?M[8FMK@+0+H D(R) M]CDWN2;0LLLF>[5A:ZT[3SMB90
M(+VUW_D]W69VT]+0_9 RBGD+[-[0\[U^2X-4-EE*Y*G\U2G^ZC]UUR0^<"]K M>>]LG]0UY<,?]W?>GDDM9W77U4E?VLJC_<6X"PLH57B,20'-
),O0MDY2=RP\ M=/_P)>I"DA)_+R8ZHV'&F,ZO8;J,$>LU,R!EI@_IO3I(U M84IK;)XT=PHB9I%#T&.)[]"O&+?6V%C'\]*W!'"B*HK)/9)4D^+"T=UW>-!F
M$W-LPK]3Q:E*>YOIO\S98H8U (XG]E8PIY?\ZT&L.W!TX=;Q94LU CGY[QJ/ M=OHE\?]^X_M% ^E.;'D[\ZC51'&2.CTRQ>NS?(W"PXS@D"Y8]LO8?
4)Z79&T M8#M@3Q:47+^S8TTQRK*7V])&]1$-JM-R-0M0W8KFU >PFPD? B=A'I3-;L M]@VMV6QO.NJ-V:(]9C?OM<;??
&+2UEC[61O_3!;.KZC50]1HXC5X#8;>190;_MS-"_8DX2>^35'?;+5X:FUC,\)OEC'^&++E5$W5D"V;<^.(S7(X!^Y[C/MT% M]VWU\B]4"<?4!.M0GT&Z-
$ONA=Z4H_&I*DKU'>\+LH4=,.33(.MC.X7'(&RO\4[#K3/5U \G 5H-XRBS[+:EV=4H@"?Z&/3(FFK4!!T/E,B?OK* M0 G
C"Q2E<)X(%*);&GN+K]@I^1CR$&)-0QK\U?UU/3 7A(VX,1(%CRWX, M*,%78WVK&55S.,QEI&'O6Z9_M="CIK;Z13C5 MUOC]"MTV9:VEN?
!)QHBJJ;))%1Z':YN6>+G)"S\I-KF!WDHK6,$8C>-*>[0M
M>T[0H9>[J39Z17B:MKGR';8^H*VW.VG8NG3MX]J#Z]KRTNL9C!KR$(/IO>V"+;,JDIM!LGH1/T02>XB=_VC7M4
M(F4"_1/XRDS%A9[G"1!_HR7D0+M5 VL=,K'S4HN"F;Y)EF*2*/>8C8# M)>3?O#/@Q+&P1\/'?'?%(QN!34WMH $0EC[WV$?YCT^R9ZIITW'HH4_P;M!0
M9&OIE,Z<|$+^=6A?UAO:I'I4;)&& MFJ__8@DY'1Q:RW?H5 YQVI2R1CP),-Y3$]EGA.6V%$(-6 ?-L@Q)+&!*;(5%
MF_+;XK"H0Y6)K5ZK)&A4^CDZI[!P@W(HTT>EQ)I[CK&8NS+$L'WP(/XOF;: M]RHVDP*4,V0S:X35$R;&ZZ[QG4/X+P%@
CRRDYR\AD*"S4$R/K2=2E<'4ZE" MI4TE5L&HU,,*K6:C^.N@DEK5!LJ\@V=AA/)8K,R\L%)BLI5!FE/&$TB34>5M
M[0EL4=M0!UJR+6=EEIX^+JT1\@7C$M:(M=1>ORPNCH(L*XX6@Y*SVF?'QQZ> M6WE9TP=LXWZK^?
%0.=|^,EFSM+=64FG41NV.ZK63Y9/[V&2_.976>X(7T7& M%1D7Z*TN@(R;,)M*;;?TJC\Y,DZ9M%Y4D/FNF2F!>4ZPU
MRG*;ZHA9SEN5H5IEJ%89JB7*S]PR5#,F#APE._5HP<7?!+_7?>=#3P#>I)-&9 M*'-8SC'2 XM5XER5,+>A:HS:UV?
1]'1)X\]M%+>*C855Z:FE0K:*RC9IC)/1 M*JU(,L,),&]WMW-@XQP34B-FBUCB&G__L0M4>QSL>6*^;XD>!-B% 96[2Z605U2>LARH<>%HXD]'MM
BDH6RQ@58"I#F"T5,R M;BK2M'@[%^$=P_ILT_,6+,,:G+C-F&M$K)?'/>O *[W!-8THNC5AOV4+A55 M
N49(,D*7KH22W+RU3YEX7;+DH5[!%7UZ!XEC!XP;'BQI3])@&!E].I"8[1% M@N9\>$M&GD61YO&@H.3^ B_P2 9"1;85V1:D$F2TVR^0;KL-
]!X/M.0(X=.B MVPW2*5+2*PIH];;KIW:9S;R5[5+ZS:3C56[S1-IK#JX4I3?'-=UWN!2|ST, M8,4F;RD]}+;*J3EN%DOZT2)3'94'QS_Q2< K$W8B,T!Q6N K-
INUWH7_(7O8 M@4WC"1)LM:5E##J(TN:]['0&!H?]*=M/_H?OLR<<&%]^9BU%[_84%+/5:"RE7 MJPV3;]N_*='[>F*VZ;C\VA1C@1?
XRKM"-3L4=^_RZ;LU^@5.U)TO7&\|G!X[MVL(%W&./29K2RKM+AL]WZ?EF;'IK\.M@=NN(^6_8JC8Z"P%3EA#2O^GV3S1.
M\/+^Z;@_E6_,LG!DZD/IJYB?SV C. MGUV09THME%9"/=1U<%CU+Z7EI#96[O-URE0%698!5&6!ER7ZZU-RPPL%'NL>$"MZ\JK+4JOR9#1T-K3434>,*
M|:W0E+:;'X6S>K1F6VWUB@IDG6W*VD73V_D2V¥]RQT*)K8-#8]MJ/R7[IF!B MJT*!FV++'^LMTBI?
K0"9Q2$KAH50V=H#RT]!74S\;#1+D(A49:\5C$%K&7$Q M&-2K#3M])V4$\R6DLAVIQ7S,F;>3)525P5=E\,5(I*^,_8*CY5#!R\U$L+-2
MLZFVN@5;354/BXIX*^)=KPSL1+P#T"&;_[65,C/[Y(@W)=7B)$+-G;JV#FN: MG4QWJU;O;^ANW:N[/FW+M:%"85L>3*9YK+
#$Y#=U"U$<]BUA_COZC[-9-=Z M]7ZKVU:\J>XRBG*.G=G,P5T[XY^8DZK\1S,,H2HZN1XH(DRO^!#,;?<6HW^Q M,8])&WAO--;5M)4Q
$K'_S7=\6+F^;@_>U=UV"=,>_=H!BRH9BR(9Z=L%S8P MIOW]\GK_+:\IGUOG]0Y?F/N&IULAF;8W/)8Q+WP;
[^8[;.0;4W0BH&P79+]/#D=VTU&1!F1HF7,7(9X;-/\> MTGVBA%]S($+,9@%4@*L$6]/GHT;3WNC++XX;9S BI]4_ST@&&,,R\B\P[^0>E/P#R
T1H!5S56R"G MBJSSB5Y$O7B VL?P/MU:/@7NV++6WV'ZU,H/?%XL]0ER=8,A(%!:>E?$:GGO M*P6P2IYV,?),P]1=DWE+4.)L0[=MO.4 Z+)GI$4#'4G
M-[0Z'ZK7K T;]4Y*;OC?E+9(>]3I8S>DR 4B58.H?2(Z:[BLI>%I;L!+%5:%A],$WPA M@-],P Q+ !BR3X28,G)1NJ/ O>78# M48-+"C\8-;W,XTV7<_GZ?
G(KUVI*;;F51?4OBSPG7M?6ZCV,=B=ULR!-Z6_Q MW"FA&#?"1_01Z_+/_N11$+&D407CO2)@37RWZD;II.L.N1R_2?U_H$-.OM1 MM1
[T=P\5],B99J8M%^\T.0S+<_Q$ZDE3@SVU/BM/_WQZOOOVI-P^_OC^^./F M^?[Q81.-XZC;?GA\OGM2GA^5YW_;B]O_F]/#W#!]_N'IZ?"/__&'KP
"!W*\VU]]BI]U<+=O78ZMS&YL;Y38> M7U$<1U)T1:&>,Z>3"!DP=2Q0QVDR->HT/FP%Y05P;*&>8#X_B>31PC-)21!3 MX8._#?U=,6?]$UNSX#Z-
V8D_6X6+P"+B+1P;/B>&P"X!,\OQ5_&$("/"EB? MLC,A[DKH%2B(<>B& CHBB!)7^4""$]7IV+_B2\,ETP;9YB,
M76\TD@4NH7$62Y7FKU'H/3);6A4F*Z@$<,UPV2_ >'VZ%<#8W/I6.U?Z><08 M?9Z"IH(H&"I)9#WW$VW
_D=.F^ADPER/EN)$3Q8\.U$]MZVRNVP9]MAJ2>>3W M$A/2>5."F0!H"#WT^=PRQY25'EGLD_)!NXIV2RT&K+SR;3N0/L$)B$QBWEN0
M&V/TX+Z!A@W&?AK8N[7A!)9* C[&T@4&D3)&7/@)_X&1 F<'C_]3J_/>[1> MUM$R<$J>,LHP9^$FQ-=!D0G8+MQ52%XIL0QG+Q]T#W-? 'YDXL0\55?
K79 ! M=TI!X.2&E#=XFR4\&P4R[.3EI'-H +M'J"<^3>7Q_=IPD(SM!0Q:-B=VU@CI M4*J%XCH0:(&-F_
"VHFC2!.QZTKJ1C(.B'8N^7QGX:W@:;LC.M^94CP#4'-M=N:)AM1&[%K3&9)/U3[!.[$*BKMV/K2OE,5<+.R,N;^%:R_>'&YQ8C)T)[AS MATZ.=;.^IT:
<$+KR!70N':\3,(_WBEZ-KRH*%\,$)#!'"^Y!3 %^77FT\8>< M1224/CD\169Y4".T'/JP<47V M:QRYA$W!-F)T41)L=>4? E]BOZ(P$^V3W+T
:Q=C.G%G._]8.K:(3?!0"6Q; M@6M[5]I_!)QPCRI>)6P=%'SSC]H=PT:?R,.QZT$1*LNT\ M(L["GNNFP1D4.?2E4S*#DZ?Q*.Z)E* 'BP5
$5P+.;5A*V"X>"Q5!.#M2-;P M-G4"UA"]&).HU>98RYV1J=PR]&#&']>X@LY-4V1?<;F13HTQ 1+C9'7E)EFB MJ2HX$"^P:F+A,GK]FI.P#)22,],/F?3+O(/]
J0P.;!,-T9EG.U-=4/>BE'/ M'Q(I5":1"[\%#2BN-\Z_]_@E@*?MR8N).H?QZOGCZ*]H'+]T+$(7^#?<[L MU B72&>:3D+)X,;-Q'5F7.=
9*&/G8B\36R,'AHQE$WTGG83Q/&.HA6D/W>P MK'.EK-;2@%O"SIB]@>%=(A]#OY'7Q^#SZ(^(;-'-ZQ$E+33*\3KKR58.)T-(MY"*.<6<9K%KI*DM>ZYI).
[RL@!2 QPE/6P9,I<3EE+2D?A/3DI)A.:*,?!LK M=E];=AK)VTAQ 2,OL9K)40@#K>("$2F)N PXPK9RB$M:<&SS-SK0Z&)*C5! M"J^34!PCUG 9?
IA>*ND[RXD3Z\9"Y42*5FW83:EBV@)9,SHM;K:Q?)E _3;V M16NU!GM'YE8<;^I@GBJ8Z1?8%\N*&S=LY;KS93> '/ P/]Y';B(4*#0F#W!]
4;L0Y3"94ZJR^*-W MIKL2$9=[.'0X?+BS*<8[^K-=]B:6,AN4I Fj59W)$CVSX+_V-7(LRT0*/6$5 MLR-4S+ S%.(ZX SJ#Z\,,!?=G-S=R1G;1%]8?
B2);>XZKR9/L0HMJ2 1%1%1 M9EV)I.$0EC;"$KA=R!BYV,IFC7%9.6)CH#NTW;_'XC)\+]9DY¥M&4FO4YQ%F M-^JFA0 4IJ8L#L33DR=FKX P2K-QO5_/
\;9-R?_]O2?K'P,B%<:L9,6-7GN0; M6+!!!ZO806SN$1*^F!U/!3 'C4'\'L2A:8B\.K@[2CXG+(LBV;HUE1=@1?%N M9
@4(^KW@*=+YWE+XMX(1+R)Z<)7\L4N*@GH-8/CCH ,PC2_;6 =OEIKI+PZ M#9K)#<0\6](/-)G''' =A\XH+Y>Q?)#0&P%)%5"WZ $:X\ YX'KT?ID%*1(AX
M]Z+:7=QI. U6$=(/UQV2[)%HJ,$P>/QM2+8@ XX-W0/2Y\R84:T7 S@HGK MPWXITI;? ;YN)K36--TB;O?F%2[L+TIHAJ)PV8E8['^ZC=$1<7T6S9 MG
I?/T_SC1_A>[[H8[9=#XX^1@F:#;6=5B$2L[20V',>9[#Z.' GH7O/4Z6 MNBWF/<;@41OV>ZK63#IFHM%3WX4K%UN7N=F1+,W((^Q2?H$@'.E?-
M>209FW\]BZ3\]DT$6+=9 UHA$VG+++>XG? &H]0>:YX'%A MQ-?E8Y*E[:8K+ZB9Y+?BUGA&?]D>E[:L#AK7W:,>I':W>+:ZNB<7#:B?UZKA[
M/.W:@DMX0YO[&BUY.*MLL9EB&$O!!.9,X/1& !&?!Q1QT"EO,U_&LU,BF0:^ MV:#\$RQ9I#=YF.DG[] !@2>)LR M$=MY=2S8&-$L&KT8L($%+'-FRL0
7M%!^4[P)\)QX>%_^:MX"\@(_BMHMI:B M10$;232VX03$21 MWBU4/=NEDXYX:Y\+/66VJ47MS'1\X".CKRI%^U&5%5JKR.%QS>;N=[4G(?Y
M%K^]?!?=C#3A0:1&45VE,@6 M0T]7Q_J2;-)!B%R0Z6Y.U2 Q")'Y#])A1&&M>I:&HBX@SD=3*3LI0 GWJ5A M*<]9%ELA:+D)RTPR=[FBY1QF4;&
ZR8(,2?%OXN[N"2;,PY#'4ND[FDE&I* M&9.QYP2:J@$5I#7E(.LH/ G\TF2OE-XIO.K1C&B;^ZD]RG'%\@VB*]WS]!K!=8RP"LG"23
M50^'10>AW(G3A"2?.P"X_RYH!ST_5#I""'7'\1&?Q>SK9]U]8?ZCG5]Y/\#. MA2L3NGC]'\?4",X2%H29?MED]Z'V]2_VA7 S,;PIZ06(TQ\Y4@;V/^17C$N
MGWE%,']Q'0^YOS/!& @=BKP1%C< UUR-OPMO.^1%/:\YJ1?5W_JBF((WD /^ ML@IA#?2YP BX'UGDY%\+*X+6;P>OC?,
LQ*^<&7^<)P54KS28!A@HC(-[A^@ M<\@:0)&%N%(6BO-GDC1C ,Q0T4#T3IXQQOH@>'7E?A*5"}2;+!;T&_ $)M?@
MDUKD&GO[I^@G07G7G<2C)_&>#ROR!&:DF#RMMB=I!(!72%M^,M#K%B]I,&\ M.9AL:6B3=G!Q/C4N)\/RTP3ARCU19<@(ZV%\
(80MQT$_@&O^C"X@]X4'9.03 MP)*3H_#B:/6RI'9!X;P]\=GYC7W7S=0Z@\%@-7DOP4X2#U84F'9&44HPB%;4 MH.#WZ&AX]T ;+BK>ELM(7 ?
(]/%08/FDV8NE4Q!X9430QBC, R!^-Q+3@3?. M+).Y/"W>RF@Q YY!#<4I$^]C2A[+24R.Z@[JK>[JR4I'&O=4RAE4;V=LI;19 ME3>,=3)%M-
U?_-=HN^<'.[7]+]5)?*%@&$Q?^/$?!XK9F)LJAAS,MX^G&K<+W MP'XW!/ QAZ$=[J1Y$AW69.9L:.OM,K*IU\!D';71*+A5>)'3T? NCSP;K;*^
M,Z2^YIHZHH.0GT;58"GU1:=!?D6;=T4H%;![^M4S2<#_WE!B*^:XW/N^@1(X^)YW&TT@6FQNV6\<:KY53 M&E;HM TZ)0!?]XE/[=HP)5>_#.A41I/QB-
P];.,DDG%C7;_&&PR!VU6!W8AD M4X"^^4#%$U'=TC6WS0-DX5522]I[^X[N\7$BU3GZ.(U:L7R_E^3^VZEKQS:(M*GQ:W:3C$
C5!0.\,/V_C$+@O%3\9RQ=LGC7P\CDI)/1^$M#GX4J^)L3:N3^ M;L+K2R/,'I:QE5(OJW#H*#^Q^<|3!\:D[ZPB7!=>7):0D.B24(0B4/FZSQ(,]H
!2,UG_L(=9LV<17]KHNJ+K=;K*FD9QAR#L)C;850>= MI I\#H2=J@+*YTPO3Q@L^^_S?=PHEL\TKA2>?7],QE2@D+J@)H0:R M6;FW,9,-
^TU\!U7W=/=,EN)$X2*^@G&K^"\Q3]U>#JZ[R@O+C;S"ZL0D!"R?#.+C0> M8_D3XL2>\D%,&/KQ](<7CF+CO\"9X-B6C!@W+^CBDSNPSXP K/ZFNX88%RLJ
M1V [0>.?C+H(;/T_FUO..Q,=<+!X37ZB&":\UG=<=#]?!WC=4!\F[U"5N-38G MB;['3^51>(54\#$?UV P]*/HV*1%-!81S1CY/ 1EX8D>1V /D?0@*RD|*&^
MFAY&.S M(0N-LI8;U\7;"V2IO[TGN.P-[H/^\R<'$1^EU4S.TC(6+NXL9,8@#%K+0HCW M8$WI!%.-QMV]#TROZ@-3]8'9O3-+>4;C"N4M1:73]JS$%:;-|
(!!X,V_F8[R M?0JLWIDI?X /P?%)M+0&/EZ1FOMEJ]\,BEZ/":W#[*.NW%A6MJ9 N^05B'*M:XMZI$G=(]$2>OU8#H*F M?*

%>FD<[5MV2CD36=ZK96$;@%'S:Y\QZQK/@9[O.1*Y>_XXZ]>UN.XDS:[SC" M(GV 1>Y3KO$'S'O.4F#V5,E0FAOD)%**& M1=\]^Y>[JNNW+ 8&>,9G8Z5.YX MN\OS5QFZ[."Z_G;D[] W;Z>:N&FOM/AXS2S3I31L\%#8/ ML4R0-@9V8^5C*:X(*779Q36$$7E 3'2)^#A:3 ;6"CK;QG103 !EU+HM?--L M8?GFW H'0^IS5'UA>W@ALL-SO'45.6]JTP7.LJWQKY(R?^':W!^S?,:PJXF.C9^#UC4?;JX0@_C8/3%8X0.KO]15 M9Z_/V*;%4)"X *F&\RH7=)96PTZT=^Q"\QO5[RK$NS6G"U? MBO)!CCT&0O\O'_M7_&)H"&9D!N32=F,JY!*AR#-;ICXR+7CI]=B" M\W,X&@N:CH%=_'!S-D<%!]N^^+RODQ>XD?BL$-V;?@*YA!7E+U-2(VD0 3;T M%B.7T &HN]@^RJ))P),%_B-M14PE)F6(WX,@W+KR56Y5D5L=!T", ^+7$W%5J M/C,30WVP2S#Y] SA)C/=:"=AV9&%)SR0)XRWT0[]=JA/,]E#A/ M 4D]/C,;NQLPY59W+;@@0'^1D!>,&D-0\4&LO(L4N?NN\2[>:2G^\XGISD2' MY_##)1H#!&\ 2W_M3!>J+D0'S<=CN"@)D83>!S@A9-V04K-9"|C@(=LCATV M*Q>\FD/4^1>?
PD2NY(GEO)%T^Q#VMX_^),%#KI8,+K'F2&*,H#C8@2AM7J9L MZO:W1(&R/Y*8#\7]W!S3SZN#8*;E4;A[U,P')V M(WW]3>_G]03UD* 7''+)TY[SL59Y2$=Z/3G&.#9Z0,[IP:"%F$2PJL5[7$/A M$G7LN*B;(V< Q"O&-L$TO;4:R+W8N"%TWS_EJ?/;*EHCK[*>814>>-M-BMDW MD[F'*5/@EB\YL+D"%=[8QIL"M(C=H9"SQR?WZ!$5 O!;YV?_3R^+N898M\34 M)$>3C&)Y6/F2/D#\/7RU7!8[1B[&O',?\!)<%^31 M\'2J9-<\?"PJ_:=V.V)\SV^XZ1033M-6(V(V/K7#[K-5 M&S;JC61R21)1\\[937+UXT3P5X8IR-$52E=A[H2P0))4G4AM8S"= M>(K"#\;M4@IE? V.&.8:/%40E!]0KF9]"5_\]#$2+M X>1R?Q4W[W_^8@(RG^ M)TT2P6P%Y0;;&O,0:@(RYZO&/-JA*VK#'%Q-5 M;Z"C>1#?$?XP3(WX'LFN2(P-E$Y(/7(#^HO+B!27AA"#R)L[9#R2R1?U4[R\ MH'@#N!?4)S:DIK>E?\9MP&\#F1]9-1'=+D:\7Y-M@H9B&\)L$ M1F9N?:-=& [8Z'160(,FW/YAU5E=C8PI#4_(5S26 $+4-C4(V2)@AF^-*CG], M .W-65CH&I32G]>)2%_-4C_83+@"RH(^@#F ">CV5G1A30'M [5R?9Q\DRMZ M21\7 /3-8N6V6D2L5,;>JBR)"$I/ J\LW4X2R#8O+?!,N&C0'ES\48WRE)RJ('(OPH(2O;/#^D[W#?0,C,8T%P$V9N& 9A 17
M!\X%NPLH)#R!\%>*VR4Z$E.0N"\CU>%,.C)&?H03@0*+-A[8G^]&X1X#MA_ MI/:B(^&W*<-Q!<$FH]_E*JBW%5V%BI[\F+'4(N=-=(7?
&A';D98S*8C$5%HZ/-M=*URQ-Y&_ P.+1AZM>'$6;B9XSRW.$2G<>A#]#.E6R@$LE!U6;SQ2&.0&OYI M&C;CG@'+Q#1.]%3C+%>5S_SD>;3X:ZE-;
.QYJX0>PZVD1=V@RP$6):?22TI M?G[R[Y% (-=XX"Z/Z;L133I#Y8W,.M"#/%T]C)U%\28?%:U8CHTNF4!Y 8)\ M-4G &F&(5MGR5U,%MQ[&*@R@1
/FYFCNN'YZ,E]@3H^+ #XM4/.6=F:\[=TFI#U_J$7^@"TIP9YJ5RC ':XP!SIG7#K(-ME)D4;T^00K.9(%1 C[(HS6E3(3>1$TC3O-%+FAG?
=MS:=8/G>;%@1$',@J9*Z;J4^L2'$(5CV#88?+=""]H2^PK0@MJ9 M6M!:(\QW,-Z3.Q.BLR9+ ^P!^EE8G6^'EI!+UL$B-E[ZP'5_,;$,+D!)V=>I#
ML&01,N",IC @1DQX1NO*7\$PQ2PK!QM9-RUM*D$@AR$WU7\K3P>&4 3?A4..I%.(%P12[MLZJ6[_PM*^!\XK'EU6T+H[.F]3"57"),1,!;X'U:;?
SWL#9>$5Z6&L 2(*A0 MDC?6F)$LD8GGW+'$G4*811,ZCK;A_EDU&QLE67E9Z>E22#S ;]3DWEY.=+.< M,"$Y6N_7,C-W64,0,=.8%G$5-; Q0YE80JCDD-
KBN#\5ZDCYBE?(&96)R:P1 M1))1(_X3]T%YCGQI"JLL(!K?0$TXUGC]5$WW?,<;(4@@S^DE82'BR@YR_XA M78GBBF)ZRXI6)"Q%Y?
A^,&J=9LH"G"B1U0YK_H,08%@*%-F F1K.&S%-+PV+0*=_/: MI:B@CZ!Q*@5%N*#(55_,2 ;'S(E@@&]"U8ZP U020MTZ#*PO6P01)[O'+ O#
MAX&C,J=6NJ*.YJ!S09#V K7$}^GFWR:*:+YBNDY&LI:M M#)VO#;OIZG1Z72?Z M-1$)8HPS9*QZP]3C'@3'&)CR8QM. >61I
:B>]8R(H"6=P"ZL$^<*+HVN _ M:=>R-O@+G%/TV,YY)X.]H%)))3]MNU(9MM9?2P3[QP3;5]*UX;?Q;-J(MH'8 M("111,O/:KT18Q)/;.Z+S,)4G0G/:/#M\"
Q=3D;+8P71G5'(AL@C.UGQ/27 MCA4Q"R)'8A']-EVR!O5ZT]-R&";H1'KX)!-/X?*HWF5\MO^Q8^>@8#5C+"G:.^]G"6=#=.1$CI^7?
M]JQ@+2QVN:5+>_M]=K,RL5:XMM&0]L9@S:.:. +C/-/BR2,J^! MT,V8*;3[3D#GWT3=WZ '2A876")";JO"/=[G*9+TL_[-2RT_D& 7+MBWO)V^ M-
V4,TX12"D[Q78F^5F4IW,KE3%Y5UV3,P22W=%<6[)RP#[G#,Y67NVO$||8> MQ[Z#%]JF^]26D|$"*HY;Y^JKZF[3-+Q\:-F;6])
MKVF#$8U]4@FNRBFKOP!&[9D-%_DC(]$2V?& >'"CU-6>4;^E*\B(<+@NN2 M;#4DJ'E"2E!T)\+5%*WVQ7?'WP#{$M"Y^O^0@2-
14.Y:*L2H3$$^PFX#X;X MT(_+'6KBD+%<5A-0!?UA$45)% 2+8&1V9<.KJ?,E/"P-X[7%>1NG===,^);(M&"GNDXX WJ; NZ>V1X\N_B_U>Q?
BGZ20^#8%\3M@YFN=E*!M1]D&$]@+4,*^ M[6GW?$.Q0AFY3Q=-89/C);&0D$8K:G>5;*|*U'|X GG7"4>\U8A"+/(+,ZM+ M>+>3H+KD%,*ITK-V@
R=KYH[GO,P<<'<&O+T]QC/#"I@I9VAZ/ M#D,IJ(\)0,X;MNW8V5W75>^(S2P[JWR*6>?IEO@\Z&C"'7%8:L>"Y%_BF#?\E/3E9SACQ.F?L#(I:QR;V6?N
MG.Z9V[5AI]Y+3IY*(EC0R&6Y;>@S=Q+&<4XV(`Y:);Z*CE%43;S:I $ZH&; M)P8.'PF",J,A;4T2@=GZ'QOW"0X M(@E'PF4$OQ;Z>@*T-(GGMW=L7?
Y,8^,3(W@PX)4ZQC`(?G^3 *M.FE>BA3S/=?3%M.5,+*V&69V#AV?C7HDAFT*DWM &^ M7@S\%'%

LN&;8\,5>O#X;@U@_W;:K-5?6UX60,H M=ZAVDW5N64;JGMR@U#149)K:,58E9U\6AY1+8[W3TYB.B2]M6MHDL8NDL96 MR+$3&_1&[:.E-INRI/(R"6V%,#L!H35K-SU5;[MB&K5;G3P=;56Y\S3:66ZO&3LZC#VZ?N :&W@[&9/;FTU9E9F>2]'CQ* HC(ZUP-TN U4,V\Z>=&VL&<^(0S^]-X PG=2^-MX%1FGOMB#^ =I@)*R'4L>V*+LURM&>IIS L1R):LL8)4UB@B> ME'*7Q8H[P4U6ODJJ.C15O9DYD#RK(W1WS!4]/?)G9AR[KN%MA9RW.A%Q94KMTQ]1ZQVF/^)F=%;[=]P,B4);3\#]302:F(+3+75RM:22A(ZMAMIK2 JZ M. K:4)]6&@FU:S=-76UKV>CFT4GH!.Y9U6S)T$]7;,=RITRY$B;E.Q4=M /[M7[+1Q";K,43/ V%'L%R2"[^Q((_).K6;KBZG<%\DR6RP%KW][2]+U4D0561H#;8DH>@**,!*D_5&WLWZ*Q6GZ1SMBV_ M8_61']8 "0,SPLA&98\=5B2L]ZS^4MPWT?FL*&=9TL<&NC^CG3X+XY"-MJ1 M6U,(WLG]654N*>3,*61' BFHN(W:#;8%SG8;D_1SYO2ST0S<6L+@S45,>O*YM1@PYLGL53XU*INV$5\W;E-I(K^DP-EL2'X6E; LC.#UM'QZ2OG8EJ6:#';<7 MU;2QR[7>VR?G0%)-):GF@$2#H_O4;D>*FHLCF@T&W5Y40P/GU/9>]075BMV=_MAY67S,;>R\J37E$I5AY/E<;LS<^NMT^]O$%W+*UN-B(N'>LS)Z$-)E]I)-1LMU&X,5<^I1)0D=.8D="P*TLCO;,CH\,51T 9CL#P2TFLW;;79JT" ^$V%_YX" MU_IYW3=]AH>=HF$H0X$5,1+OI[.)NV!AR-R_=09/8]-C'Q%;GQ+(*LQL!FI\ M8R^C43KOE22I#4;CX4BJ6;OIJ+V>C ==:'$F=BJ):M1M-4UL=&9>^.)+:8%4> MCJ;:0%-=5>_NXZG(^.,.\4?KS[G-IRI0Z^^!_<+!\P[F'KNFP0Q-2LJPY,DL M3FKQ$:,(^.TN1M /CI^H%"S+53B2)N=QBR=_S.GEG7=TK:EEH(^&B^(U%9. MR8 DIC,GIH-(KS],&2SA(6GM]XC>5H-C&%KW0K<@LB*Y9LO;&1.R%)T ML21="6U$R_7WZG]^>-)*)*$M'Q:,C &\A6%4)#DH:.&FXLDXBPAD7M&-G&I3*^ M>$AZ^ %.@#>WP V K %\ E;<)3#Z[WUPG M@;NP850>7_9 WQL5:?HDZ>BHUF(9]-/&:5LR.'@&I+.7K7A "=3&"5%2!%TF M'67LRD,2DEZ[Z56E(Z;L7WB#]%2PWN7/N1TLE"D+QNX S$A,*Z#I*M0C6W&' MV-10MC0\?EQQ!2_&C/C925!5M 6VF.9;'A71")=F3EYE M03M DE(E9=.V\1%]NY-;*53#]5M2/ M*A% ER3&=DI++2RU6K4;O;-GS^S2\7BBX(SD9,G)IW26]N/D-G!R5^WV2JC8 ME9PL.5ER#00G^'R#- VPRU[G!M(KXRI/ZTMTQBTW| MS%,.C3XUWB_%25+X*1/QFYY;>E&,2\#;]F^[/1W8&5B*0TEP%><-P-?$G/GL M??C'AX'MS#RU;FXKWM$-3IH0|UY'MA*S6FF7X@C;+O_[P:@^",8J@>H-'O47< M3;Q9?%V'KW[/?MYNUEM-(_>K1ETK^+G1;19Z8M6FM%:JJ>=_57Q37;W8\=9L M2C/6;RHWZMF.S(Y=@YNE,GPWY'=:\+T=P,NLE 3HY"LWVU&"L3N'10=^1G?D M&5FKM,&Z(*_%L KKR)!8>^Z4M"KEV+FW)A<'MXQ,3\%N Z<<(O'D-#;A/\ $ M!*WX%)@!6]%L==.9WZS_4/C\U78/BG@'NM'84,GO.M;<\X#MN15:U#'H-FHW MW9[:RVG[M-L5="7<^#7WTY++))=EN6Q#UL?>79>0J^I+:ZE>0PRHKY7.] MM/_()B-[/MUP&2_SHW5#/S_8#9=3VWFY&?*_/1+H)\-!65[TX_!ZS-RFLQ5 M**'^$OT:GC8/V((/'040: ?V*@?GPE,#BW'$I@Y=^W($Y@"V52VG%;!,+;T$ M^ME0LK0W_;1HJF.GNW=[KD-FDA8W2NF]G8H[;<]N8$Y*O99;[3!+O'+-&)-=*KHVX]M &(S5X;ZF-YMZ1X!-S;3I# M))BD/WDR)C'&^T;I5C^P;I\!42@S;1V=Z!KFC9L]YO&L-6WNDVKW6WTFKIA M6GK_?X'@:CNEN7QRIU.;=TRZ=0:?"'(CYEC@YMW9OC5Q_;F7D^;2[6;37+K=_M_#270Z,@_P$S#W]5N[G2VN\4)7%PRDY)';T\]%4HQ:?1 M$2D^._>=!;*V/05"_@,6S%%?9BL!%P(:(HY\ACC'[S:P5CQV!2>H PAYDU] M!9YFORSF4]J/J2R8Z2DSS\:LH8I\!G$0UH0"G\ ''CN\/@U?28,K$MK)KSZ\IM-LE(5?RY-]AKP@X"A^&55>8@P]VLFIY5,YK,W9S'_P>,.! U@>>=O+W<_;p@^(,% MGE_9Y(5)A=7&A15-#_N%:H&U#W0&: LE/^"$ROEA]%,!N>:C]!MZ[I0.,,.?;AOWC.H.Y%8" ^KL-^_#XOE4^A3,I.HQH??X'%D2'&Y@N")@!N8 YE#=//G("+1(_"L2Y$U:BXDQG%!.TMHZD),F,^569N@$%;.*-(M]*! NN?S/\"X\RG*,$ACW[\TE $!.M4^ W%\%] M^43Y3+@!>8200^H#'8(XX[KP#C#(-9'Y2N09$Q[";&![0%"NQTT*=PC@1>(# M$1HI6O9"- N?N!8WZ4%U*J]C>\)1%RY!O^ +*#:P OSSU83_A6.](/69 ;W1 M8W_. ?6HA$G[@1(U+3M8H#+L_QM60MJ8V%/*3T(U/>,(5)YSR<2<@JE/9"+0 M/S,7@LG&\,97U*K85,?+X9]DK4/#5_,@&A?/)*BGH;#0NQI0_*V'T%0'@$ M3*+Y%3 $[IU])@ +=@"_-T>,;VEJHE@@+IC[?-0_2\ #^1#P>Q!RF@F* > MD5=M?!1?1;H)'!5KP0'&@01+P(8=%ZT6L0%Z;^;7H*\F$P2,/\<]VT@^\!J^ M&9 "RL"KV#R<4SE\^ ?T]BR'YA<4[Q7]()MZ<*I:\2/F'UPX>;!ZDFVOST^WS\ISX_*\]_O8>/?[NZ_/=W?X5]/CU\>[FZ?X1^?'I[=?OOT M7[&#[I>?WM^(O[_^H=CS@-1W]LM MG[R,)-^ Y;?&"0?[K*V%E1GT>0)H7=SA;Z@\'#(LXZG)9PV;M9+X(QO9CL,; M[2F/H-$Q35QO:!V5=&<8A" !:[[$W0BGT7GH+E*C;R%R<#M9@HXN*!S?9]4 M]HOM3H1%>;*/^I/=70B72]0Q%@9M-$HPF!-Y@-Z&E[!P_^ S\%KGCT3=37N M\!9#&3_8:!XN:@Y_H,1S]#&(2> *7?"-D$[&UYZQX88CL!E!HPB2/!:/_1S M[QAZ#(1O^1RPY4K[RI-S[;_]6O)A3T,8]?00KQYSC M*\!Q!(QF"UKPB8%UB?-9#S,D*]!0QX>G<#U6$CYS/K>W(2U,%2B:?&3&?MB'<@+#WP.0*TSRA<@3\C3*3?]@<28N)E=X]_A"]3%00%[1BV0'$=DSRMV%7Q M(V9).'W1+='G/,9D%@R3Z$;[^*SS6S(J;\$3!ORV26!JQTVO2@<+L$A61B6 MS[9%0:*T!=[@A$/%B N9F#H3L@'C3QG4T0LPWB1HV!\?0!W04!T3@D(G>)&-M()*R@/#G/D8$ _<$<(O03>&Q(K"M72OTJSW8UL"F<,(47'^RUZ?,Q"BV'[LL MP#I(=MP+2B_I)WT$X?V ;P)N0-]S?X(K/G!?J<:1%TKZ[VDE]:Q@;;R&]14< MF9PIH+Z5)\)("D"=-\9=>[*';Y_#HPT&@QC@<<#FN%Q^-! O+X=@#1ZR M\'"OKC?PF1.=JQ&?JU!"<8@"?)X5H]$9PIVWQ.Z0_7]^[N*&-B|#R@B"U-:]Y24AKUBU$XG*]T^\)+@QS* MGZ=WRO-T\#QZ)\LXH/)HB#*I)=_^)<+4"I=;2_<4&-8T;;[T@2)<9Y DT$@@ M@08L!IOFAG*BD*\^N]X7-C(G,82*Q_F[X&RJK3P1 I+#M, 'I#PC>P"TO-Y MNKRND!AV/1L,QL):J[FBN&,5USZ%RN0[AW+A@_>**"]\8HN"N!B9&CE@0F/] M/@@4$]]>T+!.OBW'401I/0/;7[U/Z PXEK]-HA)<+UP:VK'$VY: ^^FUT@W MO$4,K=1\^D#R,#&2'T83ATGKCY]M=SZ XD;@\Z$R:X!$H/=XZ]^RRVILJGOM&-((*L5H<4I6.%D+ ^&=XDML!:D8?;;$7>,+@" *9+IS<.<0H&A6.@Y>E/1--MW_97L3B_#UZ+RB77HJG&LH$.C[<\T0:OM'?T]1+N'Z]H0W5+>4(1$**3?NAE M'Q5PWWED*6B6K@*0=Q.L3!?I'(69,NOH/HL@G:6/8XL5=#_N*Y^C!G\Y+P%^-J[Z-BT.NLSE]:DMQ+4@FLF?)D @RJUU]L!9G\^7O'8$-@GS\# #%)A#5-705R@6@&W8+X 1YD?% MR6=T_X-RE+AQ@->^8&H*PS/-6;-Y0,E5<$[7^CEV)RAE+*UT(AX+3VW@U" _M!']*7)C?'$0% 3@ 4HNV'1B M0$D"]3%7],HWMZYH[W7MVGJY;F@]O7'][6]_NWZ^ :I/P&G]\D)W=W_\L:FV#NXL)X M4*UG-$G, P+(4TON)OGC^%*9;L#O/RD_YN!G:(W^=0LS7,'S&(4O]!A7 *#/ MI^9/RN<%(X1G DYM'U0U.7]DN.,]$1>^$LJ-W]H+9;,=&>51$)%6F+$ NLG'M>WZ^M2>A=?3&E?DN]/J3Y\V"6H3L(]=.Y!RB##NBSL3D9)I+P,6]""@1Q6%<> M$TD:W=#_I5^*M&?0RO;0%MA;(M,0#N@EF=;8Z\$X*{'U}>!Q6^3U@>YR)UP9 MH_(3=$N>&?QOY(1KO7 3TP 5RG<\QQ[J QMI&XPE5QZT&>,L ?O\>C*!-Y, MQ6?P2H;9F0ZO0^%Q>B&)A$[92A?08FD3_&[_&@H!KAYQ8;8,B(@WGIR&,V MP5T,*6@\-&T/,];A4Y-""[^Q;^ @TDGT*&:'I2SSOH\INTX0IK,+B#[2GO$G MGVG)/^8#D86>WOD*[EL^$3CP1*H;GA+I\&37 +S^/1_@T>&+/TR'_+LF=Y Y M",BS)P,7@VX8X;)$VMF,\(=NEMW$Q'>5NA>XY:<*>"Z F182(R64"4:/N* MW,!-F?+LDM,46^4:CX(#YLF@[KTD&49<502Q<6CX"=,. "/H5>[:>:&HE0\ M"O<3RCW0VK!^=H=:HW;3:68;5%%$)R^8FH@AI@J35D?L1997'&4]Y\#HV*TYM[^28^\?%0Y@|7QAU&DY65?56CKNS\V$-TZ7"5^:9WX'KWCAKB/7_N>=-K^U4XZ\3TJ/B;PC$ZS *1G!D9^T M^O.C>&PI(SBB^FWI;WY08P%X:?{"16C\SSV4AQV[E<]N7.P!S^9X/?!6<7C M(C4;2/X[!HNCY;0V_M;V+-B02HO@ PZE#@F[XFD^PP2#>"'Z,!!QY/C=_PU' M\<73R="!3X%:$3SX-IHO$@O=>4/%[PB56'HQM=YM$#$"@RCV]L4*Q#KI",$ MZ-+YIH>K_\T#A/A+RS=T[=/W9AML@T97N7JJ?X(O/H&SNQ8X?Z#K@LD5 "7Z M_8(>P#.GM\3?O;RC)\MT)]ZSQ9XTO?P]A6]?WM5'=SSW5V%!1RS T\;UIX^W MUS^^?EF%!+[*\MKD;@*)VL#T)K[CTP0+JQU\2SU^34O3VYKQ.[KBRA6NG:;@ M--FEWQNOGGXW_,@=,?0F."?4LJ*O)L)(GT1L(XBN8P1%4<% XES1;4/L6I(; MB]1-F8'- E0*S=:+C/97H@ M!R+:UE=S(2X4=4Z@*1V&=97)[?["'"";C_"(M>B>$2X+8$MOU W-!U> !4)'14 9@+"MD.?.L(M/#?@.PB_?*EF+<(.+2[8?M7=GB\0$S!ZA!>>"% BA4_QV&>(^2UD<1E}(fZ5!?.WG<MI&B,]4J*IJ)X91SQYNT8%(PU3=)A[X0R#:_*A'X!2#Y@:=/R .VZ\C0&-22> M3\B%Y8AU>4KB,5<@IY5S1D#%P>Y!P/B-)(!DTW/7[)M,1E;#MY_*1DIJ.FM""'8*A*79*Q75%XIL'>11QJS^W<5 ^'GUJER>;;GNFOCLNO#LK25RWE JBA<* MN"!T(R6T1/&XXFKD@,;SAT$H]Y%[VF&<^3&Q/%%Q'B*CUGT6*7#Y'A MR^4_V07IA+#PC=RMH!CL4V#/1#DF575&@3:.J$2(UDY5DO5=CE5Q(\$U%K\| MB/*NHPCC1D\@*<>X2Q9^FD\J*&9)LQ.SF2U/-^C%@HS@'LSA$+Z[L7_*RWG ML\G);F%RO:81I8(,TO -H2KBD69T-T,W-Z$=I&G)"XXEA(1/("J1L.83G@=' MZ=HK"%]@+Z%BPS><^64&PL=U &31Y2)>/,+?3L+;7,$<"$&S:+Q[A*U>TS^ M]G<($5)&53BIY"]%MQW*B M=AQ CR=P+I%C-N\[*3'..XFGO27^T]@6B:[!YPU7#;E80IWMI6TOL+(VBL5 MCU%H+)&]@ "RR2*CRA 2C;ST9JGK0KK**I'_K&)R&UYR4Y89-ND;B7I\RO0(MVSRMM9IB%S&,:9NQL'8S1H%CZ=N!' M3W20X,+;)L5 *.7*N4WA%F(FJY,5V,?CB3D"!HK@+6VWANZ,WI<]!!N-6\D O69E8&3-2;2]3&[-[T"%#+2G@O>M;P7"L"/L?CFLF@_7-N\XO*)8C93L+/#\F5]W*+8^+) MEF[82&,^VZ$X;$-]]D?1W!'VT!?(CBR^"7,.NWN#HW;C=&]Y5? M^X+&:0RFZU R,$$R<<.[]'H(;Q;<5X=Z2]:!FI:0Y#:A]++#&E(]\$F[3D'PS MX^*;Z[HGY(N;)X0,T2QG@D]V;MQL>FA%E(P3^NT01QT-50X5D;FQ5>]TV? M88Y$U>U-B\&"D(9E][++D3>]NQ+TY$ M@I3E%"%NH(Y6[68(UF66.!+XI_.FRJ,A+(*"E 1<]Z)BJD7."LY)ENE-A*SKU2/0%4V1%4V4%2Q_'*;BY(#GLV/33G'L65#RMEH^\%KPBNR5SZKC.PLX$U)OO &0Z-;V1[803:C4]/4'Y?*[!J>ZZTLP8%KM3 M"G^&"\&Z!G91^-PT:J0UB5*WHLI_YT7D92Y76"@?/?,_-C;QIP1>T!) TNY M*2#!S9 MJ.K"I!3_=,E ^$5]G(CH33+!0224BD530WF/#U[/ :]@CB],M->PM0FWCI5.\#5%DQ=4TW@QBIS3NRT12FA+D=I_UJ;>*=1&\XVU!GJA;"/40S)5% MG=I-=V7()48O-=[RXPRC$(4>CR;@>L0XABCB$]6;9!7P&@S,@V&384*57V9D M(>Q>:E+D#PF>NXLOID>I1CR?"C.H)E&K4DQ('!' M8QK+9SH8]YIA S$K"'V+<'(CW:?'3$>:1)0980EA7OLTC$>Z<2J)R%T,:.C(MN@U37B-NA<)/U-$. (5IC(,7A@, ^>:-0G,L#Z+$'M3< MQF6YXRC5[&^H)=H0AW,H[M+CL?$4'NZ@[0>V'=YM[#:\^[-I>|2[\:AN/S.K M&_@X,ZP;/SR7;=V==X[")U7HJ,I7WLCYTO.Z_O=&#L-HC%*F'CIYF'45Z0 M!B T)U3K@%5N2.K4E'!(PTUBW^*;P1^V0%_[IVX(Z#D?&"\1!_#R$P#P^DG M"[BE9MDS7MH8"-LN CZUJ*PKB8TFOO1I**Y8"'YHXO9P@N:4SQ_-?0=W(.!PQZP3OK[7N+-B>26]1%ZUB37VCU]D"UJ0*M/:'<+_'=GQ; M?_F0@HAFU D"7P@EFG*M/ @BP9E5%*0 $OMS[O(*&=MBHE\V%2=P8N7E161H MX,3JJ&!623567VV5E8JB$B%5/60UZZ86?H*9&49/DRU-XMB$H>@@YB8F)Y$ MZG&0:@!2'QT*V4U=+Q;9-*T]@5GJ:4B-^3_WJ0R?(\N:WS\L:F=3W@$$6H^MR2/:7#';,(TAL#T&EDQ$#SP=^!6++[CBP0XP"%;1:NLG 1DE;N>]MPOV+'?T M'1+V]'>:9\[_F^=']}8=AD_H:>']+\"9VPX>-Z;PZ#H 1/\G-.&$440Q#HS'MX)4 ?W$24626;*";L&-D>CTP@OQ0)E*C5A*8'@-Z,DKRS!X\#L>5;%2+X;&W^JY%6K8^D\L'7K 28O;YXEI MH:V10AA-' DS1GFXVEE$033"VPK3-8R4B3>]2NC/X0]#-T"HTWP[- Z8!:KF M8G!%> ;K1L@>HV=N99ANG?S0]^#)K"%T8+[<,&C^@'RI83O@EMKK9@=35I$O MLP1=8G; MG\9A G72B?7+_$&YH*Y&E@X&<-5-+P^ X,H3Q2_R?[13BEV*1I3K+G MQ<JO>3!,P^,& Z7[C@PG6*.-[6.PCF0\&Z+B8O=!/1F"+UD0SB2SUD(1RU%ML;'E,8&*W' #89-@#&GG*<%>GA9[L[Y39;KC4S'_H_H_()7'AXU_8T&MW$IM;X$S%>=+88956+/SPJ*K==RMJO@NSW2/Y:G(;5)Y4B#>T,_I[+P9@Y$:VW6T M>Y/42E4(Z1*UG#:DB_(N-Z3+:8K/CG7F0*N"]E*4M309='DL^?W<Y*$\TP9 MIG%@,SH:JQ:E+V <"D==@UONNW./KCW#)K#I9X#0 M3I/[_GR7O;#]N=JLIG MWDHJO6GX2Z2+BO'0EGL-ZB=N3L"<$4"%1?(_3@%?7D.L3PCO3'>AX?N(WC? MMP1#6@MK$@Z/P8**9.T_=A])>OA\D+1\0%JF(G_>_,\<\.F^"9F("3Y@ZH:M MP#'6B G*H8A+BDN)IH.BB6!L)F+G<9N'$7-'GCD#'0/FM1L0]X5(%$DB-B4E MTJ3104.;X$9UD70 MV#HR_7A'MECWF9&O5()-NP;F3^?4U=U8=T. 0X!++1N&?<\ 6M_)"+FHH$YPRLC+,4+QDM/YQPG MD5;+W[CF9(H0A,DJHSA-U_#16@*,)$BA9=B& .8X?1 #'>(8C02/!FIHY*9 M$2U*37"%]@\7!MAY83*VZ+,;)7_;="?&310L)P S6PQ>O#+><>O9%^D/DS!> MDS:T[# I.6[ZXL\MK$@8SA%7N&?& Q6 Q,1P9@RE8 ;X-9_J=*;G0@4H>^6 M-/P07_2K^/S\!2(C-II\G,.1SWX22A.<,$LRP@/(AK1L61J$C/$5W/+\J:\ MJ$DUO,_:S0HWD,<:5(7NHQ/E-X0O+,T"8/L2QW#//-WBR4;['O\S2U8= MK(/I7@3%\ 3,#:GX*#V%K0B#*

{%{%AS@G\M188G_C.<@_7K-TT&]F+_M$B[8"FZN[+VUL.%&%NSO1' CDNA>S%MV3K9^-#TWG:\?M6_=^KY#)..F$4T]

*M0]2[):B!$G\3!3E]YK"A'7"9R!4"JO$X+3=QB--!RC4ML\J2D.,*2;;-*[\:F.EVB MD@UGL:+J94-][1KU6=CW¥YZO^4]&-M-0UD#U-C%KKGLT%$V1Z?*

*\"3(Q;5GX)9Q$U\TP"+Y M'<9)D)Y%RU&JHA&FOR+J9!(&?%W),;/6L(.:"WMD@^B14+R$*8%4:(HF?-BI-M)?H%[<2GP30+-*

:M/X]S(Q%QZLNMXTZOAA'NF4=%=]\1-WUGNCNBV[BLIN";[(G9P!BQN-M)\Q); 2T,8O;/(@F$<#_H(XC)4_--0;I?A>Q&*

*<&G@I#@"*WM5/LLGMMR):.JPVI,#HY_=J%O0%]Q9KI3L@J':S1F-O8Z"$_HC*2)X5,'F5=2H-M(D..2OR(%ZL!L2SYQD(C$^\E"3!AOA5,R-*

@P0IPR2QXBVEEG+_=]-VV]F^NF-MY(C4!' BR\/^%5$¥YQC17"NPO=#(R4Z27S8ITY>HR3C:,S4>B0,AQ0'5&L72-MV!9.Q9H!-1M1"ON6N^H=8U=:

*[<;)MD[+8GH]FE/H31#L_KE?NP9U"B6U/(GI-M1]CU::4MEE=ZW,S-9ZF<,?0\3H[='"7GZ]PK&>N_DOCMNH'@"OJJ^!RB;FS&?OPS\^8/.#B;EX;SM$*_30*

MAW0_&X$GU@0?_?Q"^67Q=AZJ^SW[>@:=ZW=RO-M&G4M]_-52VEZO6>T"BVU^O.6D?^2G3;56;O4[P0O#C-_"^*1-&{ZPO]/ONE*

M:.GK2KR46\8,1TK9PJ6[,8B=2:PC6KBBRT%W#HL._'<1D0:#'4[+4_"/?-ZU-MITL)CP':^#1!$E<$@R,%-PVT'7?*

M'ZB^(,KL56+8N!L_IA5X(_0O9HMAT4-M@N"CT"LF>N/AY28VLJ/6Q4OYZX(Z-@%!R.O-G;T'&"BDQ)3P*$D(-923"H8M-M0?*

*3;,G>4=_[DN2GB4]F#%S+5VXT"T<$?O/EDX4A@$R=&]3W#R!CVO,/=P3"%-MWQ;"V$H!N5%T)-6LY#3);5E.*W+-F\MIY.9>_X=Y;BZ3-7GREJ9_.-AB?*

*BET5L+5-M?"/5U?S6O)-/I@?30DNORS7S+Y-22@U&Y]-'43.GC69.0\M&]@O*WY)HZ-3>*

M4.5$[*V($V;B@WO(UAP@723';!@0GVC+G6>XES3J=WH]M'(%L_N9K54P/Z7-M=+2]Y"V/CKJ8Z-1K9W/^3D-')S!P3QZ+XF5N@YTC40(PO0=P$&*

'_@XN4^-M.1^KW9+=IW+!,T%B9>V?HSX50]%B]XIR[-K-XDG$*0+/S@E3&SAN:V/HK(BI:-+6-M9BB\>3-:Y8$Q>-^*W#%A)GT>CSX(*HZR[-PZ?*

Y9SM%/V?9GCL,PZ03I<.;[AS-M.YME.72PED)V9U5DH):1H>$FC\)+>VB-CY'#95HBS<\UH-ME%QVW%,78[(-3?-W\];Z7,:6?@:¥C!7@KK?+6F?

*#5P6U5Z:+_9X)C2VC=M/K-MY?1!.@PF)=(:CF=5MH[R7.#5CI>AOTAF&IO%W6W!*7(13T-!3UM;OJTAV.Z-M3?KU?B-]:X;YG:@)#B>-M-*

;L5R9!>)XTQ";J7+>'?R0@[:?',N2"N2'[L#NYLNU&V.WOJ2)-DG9!T,I=@-MN_%\6\OG>4D>YTT>)![Z^:9=^?7-Z\VOYY_)7A_C5FRF:I/R8PP0>-SVS8PG+

*M15^8E-R:"BN*TXYE:1LKQK*<"%,G"-1)_I3\68XAI^UDYA>,1+6;Y4;2),=*-MSKU(SCWI3+%V68W+)'M*]KQ(]BS$G7L'2+91K"7??U>+_U^MT:OM-*

*I=CWO?9-MGW/F!/"9DB4-T8@1V_?G8OY(-M8A9E0*_Z->,&Z]MXL"P/^KV#72EFKD_'>4\C>>P7%C>C^$NZ.DW(1D;\B-D'230/5C^2*1H*

M$4GA_*D4.A+_+#V216,O+J@>L>N^CQ\R2"U-80COC>G+R:"Q_%9@(20&_7-M2Y#?-FB;$7NTAC%%Q=8#,(^BUY6OI@,-0IZ(1G'=-4O-?

*1HZBOQXZYB3A6_3-M>)W/$2M];A1*K;'F3OF?$!C&W%**XY&'6PQ-!'?X;@!38@'R1BXJ8&RA%=-#%7W-ME?_')[].%H-B'*6DP"8-@RFE:(WK-Z=:-)@"!*

SKQ($=S'%DH>N]FM{@>N*Z.)8^)?X!&EQ4X^3#-M<-8&-O.[9[^@[GAB%MB"-&#O"-S/B#<\-L,"SW%K41&LUNNUPE'+B<5MY\6=-M@*XR%;-9^P!*

*[^*EG^S!]%8-O!MC1PG'7I"'8B;XGU-P>PQP.%\¥SMF,0*TH?'R;N5*G)3^$3T;4U9Y4F);+=&JG5@NUVX^SGWXS/>5-M1S#[7VSV>I&RDEQ#XTYY6OA*

8S[H#&\F5%%$%O'7(<$+HA+?)^9$BB_%%Z],-M#3^L-9W6$E_-(\$%#.S]Q,&%2,DSS\5)T9S9L>,=#2\/354T8NV!;7HV'VC]-M#H>,NJGAM-

2(N\5OH^VHNW2+8_SU+=9\/[K_6UT-E+,OT"")UOV$%PN_,#10B&ZY?:^WWZ-M&?&?T>!-&A7ML3%H))P=#2>@G<40?&NCV"/O?*

*&R=.4I+WC^.3$U4^ZK0-M1_AA^"CS?)(6X+4"+5H3CR%_[TW6$-\I"I*1PE5\19@0%S>-,\-M<_""?PR6MD):F(_;Y2WFF#,"NF3X95UYQ*LX68![3,2;-*

%2J0=1,;VZRD^&-MXZ8'P$?>0@D==?^]\G=F3H*QA>+_*5H1W_[-?TS:-/R"($R>$\YU5HP6R4V?-M3Z;&CKZ,&OW"T_3/P/99.^73]'%<=&.\D*P%\/-*

*$SF>-+K84<#8\XF?^$K.-MX#IPKUD";Z^N]W,(*B4!-])A-%,,9X-.-R\"\45#Y@-[-"KP>L@Z\#T.I@!":-MSDP*.%P//NP3]&W'<5_XU/&(XV*

MSHF<@#S\T@'YT@_EX-0=L,FR5W9VD\F?-MEX9+(^WP$9:\42$;D6HO3#B/-"8SLP[9'7T^NWKF%',E%%K"P-M[X(K0,-RQP3M6.D@JCW&J^:(4^AQ>

*E'3I(*5UH1V1-Z!.)O-PVK%U-:A,0U)M.#V8%28T8QS>X@5L4%H*XQF&AO$-H6)-MFK0?MF@%-9U0=6,P^U'5H4X,4)*FU!](SB$C5PJ=OR39K-!YM*

&PA2ST/$@)-M*C,39VVC>QBPD2<^I9GD2"!IVG*.T"&N_3P2B&Y<=O,>;$]U^%A,S-X8&6/-MW'TUL0@J#!-@!?I(-EEZ*

$LW"DI;P]'JROFB;Z]CQ>GWP'N213TG-HJ6R/-M=*0Y0467['44M8WE,A$P,W:-J$:;A"P5(}S\81@/!EXN,"P[=?\PP-M+,.&#+QB.DW['"*E\V*

F9XP@KR;+SCOO0BMOW=WQT1BX"XK.--*W\"SUA\G13-MMUC*]XGI%&UN?.P#9MVWUMH(8O:$RF/_W]SEX/2"P8PY&;CWOYA%XK-2M/$)*

*MG@.;=17(M*V4S<,I-9TC1JH'"<,35,Z4<5=&F8*8MN'5%L-P8GKX^PPQEHP-MKJ#;R-]$52)DM)##*.Z'H-K1=;%C7QK\9-J1ZXW*

%_U/K&BYX3]QG=$UW0$H-M>(/$A,I"F8!V,_>U(F$2!@-QMZ@@IPP_X6X1:D^7,Z#*;XE,\#WF=':;@BT$-MNWA\M&!_\?@&(3%ORVBG-[VL?O&,+

M7R""O$O/1#:?L'QRWO;#1MOE,[7:7]HT_$6&#!"7E?X.6.YZXE]<(?B8GBC>-MP",=]<>!?L,=LL'RQD/&3OH>Q0UCKG.6EA@RH!+SL"XBZ-7%?*

*#F!_,+)X9@P"]\(C@$O2(-5,.FW"8>P0]R,"TP$I:#(AHVXV(2/.)N40*SA,-M:WLAT]SC92@/Z)H_F8,]@6#)$H(]-@X38U_6W=^I=.]K.W-*QTF9=]M.BU%#*

*M*4B!;4MH>'"W5QTQL;4_^56F6/:)S0*Q/;%V7?D([J=#U\;B.;]HA?\$XZ6G-M<\Z&&Q/GXV],'7#3L9(H0[L#T<9GZR!O-WV%^E^D2E&D!2^CZ,H!*

<;NNAWBDS7,#'K,R,7!U/35_-MDF6.;W4B4$1[3%A[=#N'QXK/SU^_Z0&3242"201%K*@R.B-JZ3-M92CA*2BF8)(E:Y-8)8S3945.B??4;SG1J[OMI&P5"L$

T/+]'"_\QB;F2K@FKH]W,)-M%)]Y^#F)Y'!X6C1OC5_;9T>N)<>KH9(3-MMPETZQXAX77,.KZDI5E%;2#0\-ZVV+"*

*M'0\@R<%V*X;0=>"I7O?"AZQUUBYUH:.KB!9V'EVU>B3-<<^[]G1%1_D4G(1W-M=C\(S^$Y4KN\T[<*2.Y*X3U@\VK^-,9C&7/[+-CI-]JT6@>L]%EJ8;7A2-*

'4WMM_33(>3/=+1,N\|U&NSLL.[7-MW.2B'8$R05-UGM4[.^KV,J\S(H--\H3DB74\T6BUSXLG\ML,39U(7A/P2T'0&:NA6\W2?5T9WLMZ*

K]).KD)52E.JYL.$6]/VZ$HO-M?3-,%\EA7AKU:5=,WV?9&T>/!=2>R,;-.-[CF24KKVQ3F?E4><93I7CY%IP[-MRFO!8BB\\,?

OL0/+W$MO;DTJ#2\ZC)!XL2QL,R8@*WUCN'27O@<-?+_W@BM5'=96_>-^Q.HF(S2IAXQP_NN'@'H/#L)@0!-MWCTXX9YH0A:L%1=42\69CU1U;5(AA(*

*KRL(*P*;$U"N%"'3'(T\-L($-Y,:-M:A"$J;3--U^H*PBE=>-[5N5\\,2Y/@M>D";%QA5G4,^-.))AQO&,837DB^*TM0JN<)-P^"VA#*Z?'/X.*-M%5:5G*

BRDR9V#\Q(Q.^=D@HX0)1-MHX37L>4CV(,-D-R[]7VJ0/1C%]L#BD5,D_Q<G%0#*,-:"+V\1ZN2%Y^;G-MGD9=PD)'12%+'8]-WA"S9L5XU).*

*("V2TF&;1U]-"L-D-/]*BKZ:?%+VA8N):-MA*M3DR1T4N$(19%XPU^IKL=T1C9E6-&UMT1'7?GF;C(&DGH^3O%"&,-.0[V]-M1]>EM\HU5W:7/+\;T[?*

*6DGRJ)CM\0QH\$28CT.\,GFQ>;0($$_<53P)4'(1E-M?V2GH)(,-L_NSWEB$R]*7]I-V$UJV{3R-Z3D5D;FW7%D?-5#*T^JA8GR)-^Q-ME#XLDD3*

*QSF3$=IC\4&RY14RTZPYR0>P3XX-JA[@1QK'8]=41.91-M^]>^[5Y'C74P$I(_4SCJX/CC_YK3V8>[]$U$8C\^]@*RP.YC-]['5)91E4*F*

M1N-,R@]Q^38.6IH>WX0\0SQ+-I;2+A$[OVN8%7DXO$7]9Q309^;[&(X$IB-(\^^B9Q-GQ0J1SI@F+JJ/#>;D7T/WT-\O-M(4S/PW]/HU(U?,

*<0+%_BHC#.G4L%*6,N"EDDZK3YN4*8D$LF*N,Y)\,6MH!.-M#(D81,L!OM#O$4HN4KI+9#-1RG3"0AC-C8!:1.;TVUNW$*

*ST?\W<>WT"C[S9''MON*UGA"K-M%-<"\E%%-VV\(K%=NJ4#6XLZ,9+;6+]-R\2;0(M-4((S'CY8WF|859%?(%)'-M"2(HT921[$=*

#.]_B@\'W(&@D,HKAI@I3!@]N.+LB=O0B4TI3M0V#$<\A2O6-M4V>-=5JZBS@VXIP-)UA)I8.Z#,CF&NQ98M-M/#.40R&TF&C4-E135^ZV#<.F

$'&!C\,

*@RX=+0TZD=N&%(%(23I8K-RJDS;!8D6R:Z2+C9.LVSH,I!?0<2\289] M4X%\'*S!NR_(09A)B=11FX8T5SX*6D]#Q:`MV_6B"6%26$BJV]Q_FF]OR'1X*2G.*?:#FD'ERTF9,>5%?WH]NJX(AK*Y0S=`MD&6TI0&HVFS6T=2.L6.]>GE`DI&V@YB<1F&;\U+";U'ZROP]\RSIZ8'`MQU?,(/#L_IP/!($%)^XK\Q3?G!,7JC##3[.8$/&\H9:]09L*%[6R3G3?,6B`M\(OAA-$$%%A:KW?:#I5/KA%6CWE[[IN5U*

*M3;&RV+4[5*8FO,$V)V+ANO)=O#1UO!B9VPYS40OC50W!>Z6]@XWZ0/WV$`P/`M)\#7(VURG"2W![`&^3,`V4*Q@%'<*7Q#XQ)PRP[P,`QK%]X"Q5_^S]VK;'R`M"G"9^*["?LT`9]ON(N;W[J>DSI>ZXY0`J`IWR?3M.?^W!8^(>`M:[[',FQ2N,@:UQ`Q8]88%1*

M!^=2C+MP4]Y+P^P(W^6\F$]I<^8$]+;)F?F3,XO`$H;P9?N8-K%TS&;`YW`MB0*!?D-WH]$`

*]WOF,S/#N/YHM>Q,A7/V.F1M"RV:CKR,F1N@$QWS[H"U+:@R]"X^N?[-7Z#0I"P5[M?*67(!A9_C6I,45)E]^!/+GW;KQ!20(-A`'@,9"0NUHVIV-|*

M90L62A!,P(Z$0E!N_GHW[.(8-%@)5_5>7X2\[PQ'MQX*23UYBM#237>PY]]`M@`LD$>WW-0)113B$'6(`97Q#>69WH.X??>*

H#1J!:3P361;P\QAWKTWM:Y5NR`M+9+YH&QS![KH(?/E@*0IO&6CH&L0WH&PE6A(.TE(*&]`##'S?:)1$@`8@-E@

M,\JX6Q>C;F_W;7QHF3B9N##OV%R+VBH<K%]$8[!;]?)VU_M>(\]J+N>ZV?O`M5'X2>//#]KWR:V'_\/ER?5`VX!-]M(<"'S78Z(/%(F(Q[@+[:

SCLH.>>>/3GB/9.^@WP,P[@,9"()>]/`M8ISX?M=D(4"ZXDP?D#9\.3E:,7,+(N&*HK6&MP4)[/%`6BKVDB8;:DEB_7`M%5VPNA)FKB%.0"KU`M7'`\)ZX-

*!!48F@8)#@K<(9'4T07@*K%PB]!,9XV%^_S9E6\%_-#+M5+ULRLE`M3-7,C&!VI=<9YG(9HT[_4;F5U/-XL-4LQ3P$%?;QC?(!;@EA+T%'EKR');.]`M>.G*

2TN3QL@YY]3`U(1/C3%VS'P;MG.ER$@C"VXX(Y`@3PG49S@.V$%LHLF`M4H0'K'+887?CZF.,%@57*Z/_+=@C(UO:'TH<$_702XBVG)RNY?V'-RFF(?%

M[`=SR'6TR:07_!5<*(^9,U\I'UEQ4H!$)0MX`7=;YM*_5`M&1\G#[W-5L:4;E;RWSG%S\%GIX92)"K1F/@P6+7]4,U^S]{BF$7CNS4W$O$L`M7,%?*

*K@3RMF?!//=N2O3CO8**11M6&@K^CE"]0=N'&1\2#/PNT\UZWTQL,CP(#`M/>E,!FW#RVXCAO6CJG/9)9$Q*^ND3,RFK$RO;6@ZS`M3:*

*L,)^[*_(*NS&/QOO5CCQ2U:5'2:A50MEO,JF_/l:AW/A@-ZM*IUW^L?DY+`MCYT%#3*$H(<L'72;PJW7F42W"99-(RIF7L*K<*

M&KPZHGQA(4[!M_H2^#Z<:3%ZE%B=>H&,"<^-^JJ!4$'7G_$]:A,GT_Q?_H*`M[87?1ZR:&M%SE+A^W^SV#[R/`M78\0VHR=FVXDBP-*

*:WV=^1=GBM#G;?&YL0::0SK=G)GT.LT`M[2AZ*7BX6CCVJN{(G$ZTZK:4.X-^9ZA55PM');TFC1.O6F]/l;=ZQ)6RL1VT*

MM#G,GU;9IT_O=0:G94L;U/5(M3#G@25+%\.?L6WZ11_97'Y?^<'8[$X?E[#5`M;>7;RENKTS0(OI2N\J<[U=8V].IMZ+!K=AMGBK4-

*/0L:VJ]+*3*M]':AIXN`M4NV94^O@VB)M/MO*UF&G.5.UY;QXN>@2J2V2B5;8&;ZX7T%$C5^FG-$2:?NIR`MGM*"I]Z1HQ_^?31N\>>:!?9';UE]5MO[H-*

5O@?).1)G)RD^)R%V8]]"CD/`M/G[%OM`0?/Y$V#DO!N,,@:O4*/K%L-OHDV8:[ZXWS%V+X"S3VGR#V_"$YF?`M&]#R%":*R0"F"K[`;$4#]7"S&QK!XXF

V3$<0)"'/,0)ZKPRO1U.?KD(#!+,]K9L;PX`MKW1.>5M60"L3V$NE?N:7*Z!?"K2+)9S#3AG;241\FK,L9.L@5&72C6CLWJB+`M@!J(2HH]=4H"M-=8-

*9%M%6+DV./O[,,`#5Z-H#PK7@H/<%B3X!&=^HNLRUZV`MY2WEWOVUM@L")-I[EFU?*1-RP`XE)]+&`M8US8ZN,#=HSCL^HJ8<8&>7)HF+$C@;A?*

*=R15'U`G'V(A=E8!DSR/M-/OC(M^`M\N-`R=0M=.]<Z*>JH\(AB`M%41QS@=*06]IVR@["[FA*GV.D!%>>_&'PFL73V4(ESNI[D[U"6`M_,W/,`P<%8D0T&*

A+OP:T9[OS820#B.%`EZ.P\HY0(MS1QAO:/%;>=WWM[?.B!"]@@!\VNOF"(\RPXZ4O6F!.V%[^]&Y0Q5^/]T'2VYMO?_N3O5]_>7OS4B[[*

MH/3UN#*5H^RDI2AMM3O2OGKZ4'Y;[)17,9%CB6,I$]KD\EICUQKNM(T&55[`MR>AOV!A\>N!L1:]/MTD=\KNS`.H;CS[]_O0HX%P]D+31;F2P4_>:?*

DH#N;M)`M>5XWG@3L=EIK)L:3O+M>H_';IWWWUBV]>C8J@LPS$N5E(6GRB++/EE4%5]_W`MHW0H_VSI&6]66'S`MM`:G;SAU?8V%#(?

P:Y\&:>72HIUFBV^YAHW-P61Z/&2`8^E>H7K(&J[CFVWZ`MV!P2L'"!O'S]\\![#L],;)Q+6LC4_?;DQ24=%6_-UZ1TR!>]C)23CX-+]0^I

*MB=E6]&H;+P9;3F.B.'"^OYK1W&EI@9_0B3;SZ6S*V<9V&-/JC*K'3,LLQ_*`ME>SJ:RM?\;AS;5F+@D>X802;4+" A]B]&R01/!4R)*

[CSZ00W71%6HH0,76UY`M@.4D88AU)&0+PH`,IQ,,C1-X)^P)?\|B/,RR'^QP+]HP'UC(`MC"7S2#S8:NT%&P;#Q"Q85B\#)PT_@%$<*

M6#K,'8A','R075>QC+P8%DN58?RD9&5^"E6^C`6TVFG'47)2I[U9TM2GH7?`MK]=A<,.^*%3PKSF5<)=`Z)O+TNM;0^)@*)9+A`)F213\@(;3T'$_Q?*

3E]$IM]`ML"!;QO4LGG/>E"B`M+%8%S2P]AS&/#2NU]E!I`W&$]*7B0JI66-3Q[YY<94'S4!&V`0#L';F`U[$5B<-

*?'#OB1&@;QIY=!.YD<=XPFNDK1&H4L^3=&5/H3S!\46`M)BJ,4BLMMWFYP]OB=\=<`M6"G)#W?&.[!3[_F]F?K9=69%F76L*A-*

5>OD@@2ZT@3F;4247#L%'O^:,<=.`M(G*`-C1"O%EC^@%&F#&<#+@L]$;R3\!V@-OAHR<5+U73\;?_F/2L\1O0>#N"`MD".T0?ZQL#3*

*+=".L31`8WCV9W65]N\`ZSVS]3=>;2&S8&5<"!K8^2>4** B;`M&U+P)S61"NP"XDC+HT[=AAN4'+O;2_A9MWU8]N`,C#)W1<;+,(Y2\!*

M+.RG]Z(:=F^DDW=U>!AC9V7YG#F;W^&'=^^F8NXZ5X`G8NI6@;&'@H`M<8`B=K;CA`G\HDQ>>.57EG!R_*#QG$=CX[4::I3$(,)72@Y5I1!%ON%[9?*

N`M'$I??ZY$A_`)XYL(JDT)$F].OBA'0;$X",Q<)A)^?N"`6LB,CVE$CHNY/7`H`M<7^#]P2^&%4,&;IW=R(T>C'*4MF2IC*E23_)I2OMN4.;LO04F;PSI`9Q%3

M8KO6S'-5R&]DC.=5CTV442B!A'L9";>IDP%IM-/J972M8IOCDPL*ZP+1%:9*

*MQ*8P8;E,ZK*#763\.WYC5F$&TEO(R]RXHX,,F[LIM"K!H%DRAQ@:0R$(*&BW`M$%HB7_&5=M?W!EQ`-WC3\T,2HCL`>PY70#7KCQ>`^8N$141(\I*

8:>\C]\?.`M*"LO=[@VE&C!?[SR)*[*`HIZ]>[1]AU8$_S55A<*?;TT58NBQO\]VI6V-9MZ,PYNVQZ_%)?F`M`90I"^+];-`9+*

[F27#=+B\^EM?/>$=WRA$YSQ59""5O5TO#S+XOP73MI!8T%)2,5T])R@=&N?3;-GQ8;H31IPJ`ML3A>XT?SBH&7&R&7?-'NX&-&,A/>D_$N?RJ['*

*'0C,I>#!69;[3R7###7'I.`ME2P(DOV(4N+<6>';M')]C@?2]FC5?PV.J/CMQ9LJDTNN8/4@_4&`M'YB7%J09H\O/9*9>]R/NLA<[:?2I+07F$'L]B;@D-*

*^;B=79X8I)_HOZ=]E*W`MA^)BMA59T38>4?XPREI$-"CLV=$M(S=VFA&K42H4%C8DN1ANT)5X4Y9,HS/5D<8_*D-!KXAV4`LWX5/._QQ\P-*

*7L4,Y#Y*91$+`M6WNX,7/U%K+BR,4M!<(,&WR#=ES/A_D,*`T*88"L[=/+A[?WWKX#H5'5R;T-L`MX@'YD;YX<-+KO@G",Y17"$XA9EQ'!*GUAMB>*

<#;.P^0NIX4P]?72AIW`80E5`MC+C!&H#FS_,"0PZU2B)6JL\W8KI4YGF3$NI&-`^#41Z1".R/1'0DVAM&]G<$`M8IC_,NC+VASD)N/G5716^@F**

>M$$WZYFWF!$0W1@ORU[F&^Z"LRQ!K/@L`M;9!`^+"V`;1:5F!P,]$!=/TDK&%(_HU#Y\]V=^QBAPYP]O,>/B\KHOA)T3]^Q`M#H,[T!M2]:Q^CB2]7#!*

*@IO^A/Q1K*V+4NJCU^CCV>K275#KE,##B@]8FA#F`ME#KV6E9$P)>D+(;7H)OIV.!68=6>E&:>]Z,@&HW-@\N3)W/07S2U:+R\P+%3*

MPL-.!EKNL+2II$@=@=%=N?$N2HF%7=.Q96W_(%B3" &-O2`JET^WC@I[^VGG`M%]2L5^^+WDAMR5?

*8T6WC1=_*6@D>^";1<3VM%SITOKE"&AY8WJ&=BV5;JR@[`MHZ7"J%[5S@IVOEXOYDU.;G)(KQ6B>PHGV&=XFB7&*P#;(+XY%I0:4N:;$*

MQ49QNU/T]%LR!$WI<]HF3M,I;Z'4K(=3O]L9C'V_VI)T:MA[3U_0OY)]^->Z;PV'_L.XJ3W=9OZ%R[I_(H?C+CY#P]C%[-#T4`M-?N).-

T&T.8#]P%5H+29O`0S.1Z;D_&!L,:;2IZ7E<0\2]LXK:VDMI)G825[`M@ZDYZ'=;I3S;3#Y5Y(!(ZUB=1OLY#4TC'Q')S/\4))R#\/VBK$RK<*PUZ-*

M:T#6<_V])LXAQ'GVF56W_;N6QI_\XLY!'67/MT7Q;;]O#KK]D_=C/X)C?NF< ML::=$_?),X,GH@5C'[T&YGA\H >KM?,)<]6=

*P\EM.)>O&S<]B;FJ*_WVA9R`MQK(Z#<"/+D5ECQ3UGX=[_R5T'?;GE?OCVC`C^N9P.CXY9L0Q0[<+94RO8YV6`M+6VP.5HN]F:HGP>X2C-F'V-*

*$2=HSL$WTUY5`M\OY#$#*\@\_A3YP-;'"&V1=6TI_/&H.8*5S#$_.EFX3(W0I*08M%_O#P/&)`M4T];7;6Z:G5]!'[YX,22H156*ZQ.X=_\Y5<6;P'F;1+*

*UBI..R?![X_-1BY_`M4SJ<05+BXGC:LSJ3%G&T#:9.B]0CRX8&TZ;7*+6E:#U;AYUIVYBJC<792Q66`M!??]5M*5H/T^M?J=-'&V#F=!M52H[SCVJK8IH&=*

<'>9@'"3;@D\M[G$;U`M+AP]]+;L,0C4;B6S^D-S/'G<=?0C4$DGVIZDQ#UM4W]UV;;3M1/01O3]C>BD`M:_;'CVMQI6UH2WG;'W=ZVH9]&ZIMZ-

-2IF>-3&OXN`Y8VHBVE+F/:.5R]E9T`M3^)"MG3W`Y]M%R;]5'N>T@R]L*>(H7\F,(4VP^/0B/61>;\44%7.&B!IYTH_`MU,+F,$LX,PK.SFQCO`!//X\(B"?

*[/Y6@&NH@K!4P_E0\OR*T&\?"B6P/Z%/`M?6TXS.N+2E_%*X+8)<1F(X*ME-~4;)E4'ABX3&"`X&A)YUN"G6DCB>'(12N`MG=.VQ3O$Z(B82^AY(4&@!*

(2NELZ.)F(2TIB/HA4A]D,.J-T,BJ>48I45'KU`M$IB?>_.?*AC?#T.)5'>.+F$R.!!F]:Z*Y-&.[)#[!LN5P;N'%*+6<8^K$!'SM`M=Y9! DHD/4175B*

#S0SQ'L'_O"@@"8G-CQWY7(4)77D#*=^9;L$$0EDXFH@`M0=KP:PXSYPE8*4Y*)PR8$_@!0NG!?SF.4H0@4OE7(,2],0L#>X[RX1`X$ZYF*

*MED2P6/A#T$-@QZ'AXO!1,"*"+O]VQ%Z,$EA62H!U$CI+1*7]&.`^S$9#G.`&'`M?N$@9#-0]O]>3@KD"U\>8S_`^LE[`>!Q13DH*3)FOF2L`QVI?*

PU?!G-3\G^K`M($$<(=!'# *.P;1*/<47`CMHZ7+@PR<`I;M*".'Q&4$(MVYSS$%QJS9ZQVX(`M)GF:[0^9#A**0C]-*

LO,H;BKH"M+N(T%+$O:91`M+*8X.XWPJ`B"4]*Q*)$[+:F>({`MK02SK4*-KI#BA..`W6S6D`F+<-.G\\S(-58'$\]N0[V6C\Z+0S5RGKCG%#+P

M.'QN0'R@E$-7>5ZR*5#BW`M+-63$I_]'$EBNV!M_#@(-^BB+0G7,YLA=V-X2+&/.0TH"BL#UZU*;*I7)=X)`M9&8/2Q:F2*'25S0-SP[O6([SD8AB<%>*

(EV&0@`.8FW2V<,1:%AYA"JU]P2:F`M&-K7C6>4';ZOJ+:0+L757>"_SF^`M-1`S8"R7`IP1RO0!P?C;:)LX9O38(9BU%'3;]#%,"]D:MSV"ED\M).@E[OG@

MM")MLLBE:"_/6H@:9JR^%4!7SWKM1\E8E6!H,[W"C-6@,\QEB(:=Z2/R5>FF`MO&\KYB8"3"SZE+2#+IGMQ4L'7EF:,N8;P'=I7EY/YXZ?

*C&FQ*258RJUVM'6K`M.XJQW)+5[W?Z^30Z?'",K/XV*QE3\EXY2\BI?`YI/#61(K&+9L2'P;;&8\/*`M<`S'+)K=K0F*B(>7Q9BT"O/-KW-<77^-3-7]X!*

M0;&6A+:6.TJ!`VT7;GPT\OSEQ-#P5*K'DZ%-L.%[W4YOT`Q^>]M0D\YDT!2P`M>SN0=$S.<\NU

WJ.&R/=//Z=CT]D_.1;@^673Z9+EJ:5SVB.9>ZIQ=A?;65FU`M7:Z"<&^-8+M!R;^!(_.),S*_H"/S6&QV_=@C!6U:E+-:A:CM%K+J:X@[ZL8/`M1AJ[=.KU'ZN?

*T)C9T&##.;O;^0Y?\E|SIH8;FQ\(@^^24%Q*X_>)WLCK6HJ`MW+['>"84]39!`H//H])-^$.MRUD(0D-=._]`XT42KTIW'N427":9M(QI&7L**

M,I6NNFG!VD.Q.K1%]M'B=6I^^B<^,2H]];"'B-%->C`M,GT^Q?_I]\@7U^Y)VXD6,M4ZM.7H99N(Z'_M-K?D?=W'@/YII:E*

MV^'/V(G^HD]O+K]5_V1B=GL'MG/7G?K;S=O!P4GYL]\"3G?`K6WHU=O0Z=BT`M+`V[=Y$V]/`(FU#M0W5-K1V2.C-*

B[-76PT&II_2]'/ZJBXF"D5C]%OUB.LY^`M6.^U_8ZQ>_*<=4]'?W@/GL;\5'-9I4EB&K+FC_L;]NXX4'43#57W5,J-W=%]`M=D>R4T9OW-[HO=A]/?>&9@

*Z'$9I7SOW`LP3^P&A+@ZEXN)L:]N.%AT4V7$"`M@F?S$/=S&YY8CCHYX-?2C'9VEB_.*YU3?JLI8'T')')M2W_G+W7N^%&@72\"-*

*MG1*VDXB<7942Z48TMC7I(N0)8O%BJZ.2`.W=3^I+=@&7[8BCD_SE$1)4_!7U`MK01*6_$B>(!#S035BL#D-*

*PJT:F6(0QR'H(I5AS)$!YEH$B"CIU3T+HR0J`MC[\"F2D`%#VR"/9\Y?IN%`M<:40X]J-S1YG[!CB[]W%;*)EC;/<1>W`X3>*2'*

*G^_!S823A=]6IY#;PTBI3=:ZY7&2? MM+J!L"%CUZ?9B4=0]ON4!FYWE^B\`M'CP)SNBTUDR,)WEWO4!MT_[[U:3/5L5`B/9R3*RT+Z^Q'%=BVKQ:I>*

[T?I`M.OW9N'TO3'\=!)5'VXY'=BPZ@>VH+NAZ!ULQ[(7D")%_,P-?!US,J%IPFJS_`MTBK,JY;8%FW84DP\-L?]4?URXB>]:GX%VW,U%_XW\)

(5BT/7,9@=^D$2[S'`MEUDF>]LWN]WF;5%;*HSG:N_?KB#BMN>Z;5L[1M?&9Q3.9N`M;!H>NQ/IE7CIAO-7>%*_H0/8Q*.39B>*

*(MKDD%VXVA^9HT*JK']=K.L4A"8@E`MRB3SGBD9#]'W`M-K4!CP##:1T=&B<1:BZ^Y7HX,0?C;F,7^M3@/ULTM%"J;0W7\69$;+9DF8)-*

*SRGS!53CK*3BT-L1S8NKL-1`MJ9S*ETX,*H];HSAPOK^:I;QI68&?4&T(\^GHW%'7+9=*1^S&BUYV8IP?4Q8H*

*MR1^4J]+5UU:^HN9A,U6IV*WU4M11X4$;;'WY,]0.<3Y6ZZ7]P"'1D&,?* M\VDG"4,@@:C]PNDLF\LG\!*

*^8>>J@^\I=XB?)_X]B_"LVGZPP[DH*WQ@(3.6`MS"/!8*NU%VP8#!.S<.7Z5,-`M0WT6A0SV]_\'!%_C:\P6I@X\%Z,K[]X-I>]`MV][+PM-*

*S!@:)*J!MBGMP,@LW`OMK;)@=BI-QWT_@@V@)$B9HO[8W*URFOB.C`MWI&9ZCLRAU./BS[6I[O.TG@_^V#X >B5`RH%DAZ[GD'T4B786`8>]{M+Y=!*

< M2-% X?PX(QOF$I\["A*5K($.Q-^Y5GX_9H*,@N/V"MN/5!]0(=C4KM>UQH:`M'U-3A^IU@*4B3>*

6FY:>LQ7XOIQNDOGP@=);QQ6F8\YUOJ3$2QNKT&N5UV4`ML;?>6]BQC-0L5IFCB,'{8)W&MPT8N)7K&'}U_^,+!!6@Y<;OOAL3_4]7'&R(MZSP6$H70-

@K;1#9(VD<4D1GC].&$Q+LK7I&'\[6Q#CR@@SB@,8(9B#NMN>24.`M=0=N=|*$.W`<&.`MS:@0%02A$H]_S9AC)Q%MIQL{=ZL_34#(\P83@8V0'HC/S>)7-C&?-R7XZ5J

M,_[T'Y.>-7X#]FY'$!B%-@@_%KT'Z!+;<1(X<;P[(?KNI:RKW#DS%;?<*U;`MLA_]K#-%[3T^R@4$H-D^WC[V]T"'Z.83/V'>XX ;+T996;F).9(

*M!9P[S_"EO.M,LP3?592I*ZM=)V&4H$LMGD)U23<'Y3G;`3^#A[N:'=I^.`M\??@`?7;5`W&/M.F$@/G7)L&\=)55E@B@]`SZ#GW?*

{DW++^E7,4P$BP8H%/W.'O)-G:K8N#F:H"(*E"C1E2:5+7Q>V?6-T\NZ>3`MW<$3-[YGR1Q<(-S-8%N@P$R(M7S'5[]V\-Y@"_@FAOW_K=HB

41M2PZJDITX`M89Z^2GW%*MKR6@PEBL8ME&NA?`-.55)I:Z(-9\==4WQ<7G>DB%UR&I0;G=ORCE\P-C^SD@?T/,-`M4';XY.$?N3>?

*=PC;]M+>$#G^K'M`MQFN;R9KTX457-57Q$O0Z/`,R&:8!WS-'?&I5W>_>:A=P\C=4'@**CUFR.TP> M)1%0/HIP5)=;#WS'.X@`C&_V/<[N(X8Y%+)'-*

^2HBV7>?&68SH1?PFN#-;=D`M^./?UQ26PCRD[EQLL8DZ6+P!/XM-[<1^OH3$*^43RQH-""D$8SA+8)ZMD`M]MB&ILQ@W.!"P6

*PU;Z8=C%H@9G\5P([KB69I9AM6.(_V0I>A4Y!,9N*8_#F`M-W;5!/FF1XX`WJTNR*ZPO<59RT1!I/H"'!TA]V<*VSHPT-:,'EYA>E'UM0@;U*

M!O^P,VIJ=4OGIE5'!Y&42GPC/H0^L=[.I\2)0IXH65,2`ME]I.W>248MP?W6LT0,_Y"'X;.]^J,`R9!??8=HJE5)3-P2@S5;#8#A($^V\))IL!N

*MXT>44>8NDUJT-NX<1^Z,F4W4OQYREKQ-M$IP7EE(NQ'4@]F6_#\+8BHF4=[&%.K)S8,.C%.#_G!HG]G:C5-/B$@?'BR MV97GPSN-9#U7-_#O@MQ+'C7EABY=.T2]=1,6\);!1W"6HAXBC4TN/V).TX(-_MZ]HRUZY;Z-EBI3U;!L/.D%_MD&I5;-L"3S1,Q/<;OGB<)FG#-_K?U\3:O@@<\@Y]YP:N8@;1$R2QR-M0;O"C9DKK9#%12ZJ*K@GO.DF;W2*7BR)&;-NP3:-F-^"M_??OP*/EPI,[FWP-M:2"FHOPKGFKUNF^="|ZY'/BOG*6[CNA3ZPW1+.%4F(?)74YV8>IKT/"5[;"$-M2IW1]05A-\<,Y@0[OE1[+-~>3-*QVEF08FE9-,1ZH(A^1".R/A&6G#_L8N#4'-MB"5P+X#M;TR',G.^+4]?BB*,HER[%6)=?(:R47S[2|)ZDM0A+A3W?'?G/B:E8:X>=GW!-MQ63T?@EZI^^-,?-.](54*2N1(PDOEV^0P*8_H:T'R^>BE.]X%)]V(7=!C;("M#^-M8;I"B.5&YMAK69\"7Y*2&%Z"891C+Q94F">EF)]R4]X8:?3@\K.0.>@M-MFB9L@=L%CIV&%&#W0;L=EIX)S'GM&ABLE1OOHI186,?XO"U(49C#EKV/;*,MFUM_)@3?(+%/*"J)R*:1T5]O9SSR^H26_"%Z.1-MVM"]L/G26;22##_D/14=%8.#IYP5RU3W8#>5I"9F,>@A:='4SH8\HR+:J^=TML%P^N[79J^A]B"-5^1IDXNK+0U3=VM\]6*BU+_-4+YRM)&R,AX$+K-NG$:II,6IP-2H%SYV4]33=GB[OSL6GIL8I[Z3R??IH[VO7Z/-*-4-T-;S1#O$1"%/VX_>$;$77D$/;-ME=ZJ_4KK-,QL?B-^]UW_=DM/S@>H@UR^=]G71[>^EBHM5<\B5=?8%^K7JFCG-M5J2:7[ZN(VW[R+!/V+,]?JL4-I%D/;E+G-Q5-]/Z$(0,3QC9#]Y0R[CU*!MV-M9[M^/IG31&D+%%$9T(2*%]J'ZYRZ;8U[_9:TJ]52=KE29IF]L9:S5O#BDN7,-M,JW)J$W-8[6L7:RL@4T;#88ML6E/%(R>AXO[$5,)+(DE0/D8>AE-CZVS,&P-MUZ9>)HY;J/^_J"OF=-,Y@$,7N-->]9HY)V+.U)Q,IFUBS6=GGH=(]6M8E'SOM-M5$N:SQ<6XW;4&J3$U]1L4=@R[3>-C-!L.5ULUN]/-&/:R)C11#FX0TLWY',.MFK<7]>]HN0[]^1-!FYQ+S9J,-1,=,+>4,SW+'(]UQ-Q2[@Q[PS:QYBGCY?ZXMY=LSQT"KNEURZGH-48$C+H,4*OQJE>=<\'G5D8C3;KLP:)Q'.RIU6GH:J_7B-MVO6B;_:LID&-U@RM&9>O&;VA.1DUQ1?7J]%5X_)58VQV+\6=NF9866M8+CRZ-MR+8(M-_/#1L:8$?=?$W63HBLFL/VU4;-62\DT=05@;RHW0G^__^'3[FV/NI()M%M:BQR)AP8K^5/56@LJ7,8R.J'ONFTJ0B1!IRF&Q>S1L"\LY,O'%U15?Z=$6Y'^-B3&J7G>+0E$C>M+?*-M=N6]RO;(UAFU1SXG2]/0REY'2Z4*,]O+O9%H@A8*;Z.WL98P+^V6]I=3>D^-MU(1T+$\A;6Q[$-YC";.@-Q/R8*K??2>"Y"V1N;_:[5V+->K?=S:=F?]PK@Y,2?CVH7-3=;R$$N-F\%^33_ZVA>SZ578#1>?\O5KS\,C>KTM"6.T_%Z+_$[,R;0YNI]6WU:Q\7KE=]'^WO$C*"67RV_)\Z:],:WF-M)72GJ."1DY-3'H)T'CES(,$_?#B2@\=7<_N;&9W54$G7MAV@M4J-M\/F][==/AN*F?W_ZWU\5_M%?[@Q**]N1^M9B=-MFYB=9<6E%K,S$[/^69YD:3$[,S$;-+\9WY*CN?-P+=^[VNXU..L9NY$]"LL-MQ)XUP])+U+%CDZ?U^MG$]3TR<=]=5M:]M&EHU-MKD@UF@0\+5"-:\+1ZM5L6W..5-BYYL])B$LTUKFUUP'*(%2,%]V.,.N6L!$%M=-IXH)=_H.;X_8[Q&Y(>48*"$"%\:D\,L0'RT$8/+&3&K?72F,,/7=]=N9%I-MW/9>9LN&OT.;4#?B)7-!23)C/ENXB"6$-]IV7QH1\,M=@++XL;>![[W@P0!]M61H!4/'WSK<,9#U\)Z$9SE^"/HI^L7:]A-,GV-C#P(%;$3LB&+Q/.(>X?V5.5NPD)@!2[(CPFEP.:I'-M;H+&PQ*)A)^+=R-M>V8$CI(@S\\;?.Q%=B#04$*8'4F$C*E!,V"PF\4Y7XW-M5LM6J:-^!AZ%E_L@R;R#2B43>P1&"QXB*6'R*Y%.](EQUB-/8L>'-UHPH/)*Z-MS(^!'!F&(+YX#4(?D+0Q#WCLYWYYR&[=X,D-J8!ZUS'7=M(8\%@)"@NIHI2-MZ@PX4)M\;\?/B*\'TC5-R-TO02^1OU)$#R)XTSE2(V@5/PQ-M$/:.$!1Q)2_(:A-YW7-LSOH&Y83@G@B(R%DE(UFW.0(N\J//2-M^+W.FTR/8=-]8/C&MSE>U$CI&@-MQJ'|BK1Y@VM"2\-^!S?A^:1_-$P<^(RZI2(Q+1L%1-I!I;Y"$1,%3%U%0))(UKXZBO:%2Q_[SA6ZD-CD,]/X>4;.Z"<@0QU?(QE)6ZDT"2-M><9;8(]G6&7XTA@WPCNYQRE$(;D#&N=,4\JP.F^NTK|=V^)5@GOV-+AG&_R7M0^JHGB-I]@9XIA$&*R,HVOS"":,#?H;MY$PTR_%F_NG1B91#D2A2I3,('0#(PN!R08!F"$P-MP!?@>"]-#],7!+\2P1%VSQ"SH]X9O-N&".@@'$YCY5)857M#>R)2I\XE/CYW-M(R>)*$8V[%EPS_&>A1\)DG!G$S(T/;NP'8APH\PC(]GBK^8+0]CI_,9=X*)9-M?*B*C-S+6X)K?:97+ZQAQVJ6Q:F6P;V)GYP:"K7(RPW]IH+E-M&X(Y\E$O@;@OK,D.[;K4R[IKX5#[,#FTA)A/*)"06X42=G-,0LT-(N@L+N((-ME](8'>,+>%6]U8GET=2G74]P'VOFXX"TA^#VRG[0-M2$+-L./<@RJ<#"I%?*?"\8WRH3PJ.TXOSI9,:6@B>=:43GK,U^!\N?YF8'OT.-MW(M_%S_%3&-<.-]?S4A3D,KP3>XI?A[6>YFMWG9-4'ANAKX$BP"[F4L9I71H-M#[3%XPFFF.]M/-E*HL/?C-GS,'%B[@O)U]'I7?[LS6-1Q$_]*I=?,Z)T\'-'MWN1MX/68>#%LX@-/Y?,,&6TB7/=2/R-B>6FIHD-):5#8I$!5%ML@*/<-'KR/%-M2:JO%Z#!#RY$]^M2\(=9-)ORU:,P%V*@NN$;JOON)Z;"FKNUYA5H9,A>+RXMFELZ'GW)02U#5+IJCE:F0C&VE*KM4)&MF3@<[N;OP8/Q-M3V:\Q5V#;\U?6-C*M*):"7@"'8^_)A%,/HINBFKF^O2H.)B2JE:8@"@'66X,M&-2^XTXP]*T+FWO$#WM6G&O9TI,(+9)MXQ=IP"T>6HTT_[<]WW;5)^#]*S@!-M_\O_X]4LHON(@")/7L=L=?R'V]=:>O7GM^D0H^M&;E1W>P<($CW%1A6L(-M-!O^=;;>3I>O6=S@%F\67W?@JS^7/Q]V,_UAO_*K;L=J^/FP-VKTBVV3LF!2-MD]Z1)M6?-/O%]4[]J.P;[QQ]3Z>!FDVS=CXV+3U6<3^_V\'3W(2:I#-N_(.W]-MC?(,G[@+]@NZ836ZMUTB(;Z!-[]5##7EYUEO!$[V.IK5"[^EX,KP@@4'G4>E*MW.':4ALKI]URD0M*ZG0VW+OLZZ-;7TN5E]HGEJIS,-$-.]MB.'N@UNSC^(7=-M9+-^4YMI[P#E.WP->R]:ER-9NX-PM6UJVG@K40LN6E]VG-IPX-:[$=?0]_RBO-M"M_R(IR7V3FRS[:#K6]4PT]IG?0:8*RU!V7OI;-E8-ZZ-\V8]C&F9TZML^RE-M?NF,F9B];@.X,MT6NCF-LRYGMZ(9S,OM_S2VPKB'HF8CL8-\7EWB%-M)^Y>>>&LZ?5ZFC7M9(UE3@9CS9QV,]?7[SX/:ZX]"GY?45ZM8]]F>R^X\DU%-M5?OS)V+.T.Q-!YHY{63.U)R,M>:TE#E6UQQUFT85.AQN3NBW%7>9=/C;S%"\=G5^HJ7,&9F#Z3/E)ZXJ"/ZVY\ZP#H@;&OQ^-MX]U8N_4G8L[8G$YUS-52YEB6.1S:$S;N3,Q>Y.FSI*.B_^(B+-+5M'Y@E+RWH-M0/DP$;.TL]]2UIA#2=E+B5+8)K!T5]:L.5D&PYH\4WKI2$%R[;U8ZN4AAGB%MS[^V)L#LYZ'^/W:UERST^]#1<[U<<=G_P3$ZF9LY^YHR&SW0FIHFS/UTZ?*[P-M3#-GO^:,^T,=.S\YG;]6-:G447(C&DYT46A+.0/.?D]G,%K*!*NOC_E;RIJA-M.>D]4P;C]DZ2O[(Y8ROJ2ND'/LOK;WE<5]_YC#\!?E&(8QO8/^0\WNZ>A2T3;RA]K\5F!9LW)-M#O2M@;Z4T%;F/)?>7%4X_#<$F2(DCW42.DM$X((-&(&8=13%PM5WXM[>)/0*!VZ_FMA3V(FS>'/AZ!GBFDTBJB5:2FBHS,R;1YVD!K-MB-:0:]&0/FPB8[V):!71*K+5SQJ9TVGSFJSG51$*Q?Y,4.DYQ'6^ADHX=L.=_M_^>-RZS19-ZS+&LQF@WZB^',F0RR/C@^K;ON+9G?&51XL41813$2V:4\;.-'+8I78=%L$ZC3*-JJ]U&-MV^>C4DFJK1YA:#/C7;"'"-V^,I1T9\4.IJQ!2"]C1)R(T6OC[\SVX]5CA\SX-M%G@)]O2(B$-?3FL($0"IU]TX,)5#6.@;_G#;J2=>3&UP^P,:00@RS6-HQ-M?K>!'X;WC-X3LH7'G-A8!@_&-Q.#&P&\9Y%R.!0??Y_:>;EYW+Y#3I-W($5VFP>]M+[)A%1",@">@#C.[0-MF7ZPA6*SZ1B?67WS$\X<^1GA:Q(9]L7!OOA>,D00[(@6V6()($MS(V<)$*1B-C:QF>\-M#7(&S<@]4!JY(5:[M.>&;42@_X"M!MDP06M!$4.^,0S@H4%^QR3?5YQ^XQDMC-P?\D]6-MO8[8;_F/-V!OUYZ]>>WZ1%SZT9N5'=ZYOHR@ANM2N$,OY%^_>7#G-M\?+U=-H9=|<_W:3'4.+%_%NK\SZ<_GS7K\S'?%+3SF0Z/LJ<>IWA9-@^0O4GS48ZJTE-.]/N;CG8&F99-MO5P:)9\H.48C+N4G#L,KOL?>0B;[LA9=-6LA@JO:G;>.0<;+I.2V@_J,HL>5MT'(>;Q=1.85.D^BL1[>RNUVCMN'1-+HT,M64]6<]$D@72@.^=F-XF5-CZ;<4-M'<)##J/2OGPJA.9R]",G/]\E&57JLM%TZVOZ5:;;KQX[]W2]N_J=/ZZ+N)H-M9=3*V-IEO(9BUZ]TU('GX'ODX+*K)/8MOMT5$(.).>T>B#E3VPJTN-A(B^[9-MBNZH:TX.!>31HML2)EZGZ-Y;UF-*,RI,,*]=="?F>'Q@*_<+]1S6EO=L-M+2\8WOY4.PU:=,]/=&|[Y]C7O%/ETTGMD7ITM%K4J]NIRMF;8+O/2^6A@]H>ZMDV%;N3,V^_5$T!SIX;-GHYT)XWV,:8/-DTC8K24.3VS-]*8GBUECF5V&P=0-M9]J#9BNF9^_9,#U_"V)T1=.*0KK[4%U16#,PJ+[$]N/%1Y.FY6IL]8[?^-MB/1I

YP',DFW>[R\8Q@))I4;_PF MRN*;2(P#[R%HY5GHLH5J@4@T&S0"NKG=2_>[3865=-@C6-_>'\2D@6,M?$-;R^)!)=1L6-"Q-M:!FXU]&@6H>B!YT7=%!35*[]R[X^NIT"Q>N\],,![8SF.'[^NB_\K"6P6GZO1'X'([,W:A.8S#/+[U4+[SE) M[M2O.6.%2WPJ-Z::S#_^^YOG#E4>Z5U=<5C4UA]T3]R_2 M]6YUKK4-N^;PT,)XS9XGUQM@B]F=GKCE[R%V_R("Z:ICJ6,'TI=^+V_:-?N3 M$]_,TS-S'\+BOLB1W5SZ9EV;F:V'3BLF=/US4F4*?CS]0OJYEPWN^J(N'4F3A A];'A!5%-G0&U!9]1JYYQ&83T]DW<0X'LY MYHN>U1FF4[C#:MJ 5QF!T8*U)&ZTY!7K"UXC%3(GN/.!QG-CGO ZW;U32V];M9&5.N%NA4 "5_,!_17+![U)Z M\V1=FSU]I+/M5RKBLYL/7C@G:M>PPAR(B_)+EY[.^Y[$X_R5G7G(O^M^3ZK_/(>5T4TE72/(RVUAWG\^O;31_I5+WQM M>8ONXWG5%[S:EUKG_+*&WTTRWO\93Y?874!I&A:AH'G%5HL>!CPY/*Y8N,:5LV[*W28/65/33O!^,^]PR,XA#%>)7T#J,P;\,YANM/ M{J D[1ET#0G) .O.-HJ.89RUS#S.W.U,QITC.8YB[O*W6W)E*=";V&-R1%%L;S_8X3PZ M@CT\-5,.4+]6RDV_N=P,"G.T@_1[@-R58;,.K(N$59N_D5'[YYV3$ ^V;Y]QXW5RA9]+.,;P^#H) M^=TQ)8/A!?X=]RS ^I"U7+7;>"?QT;!X[({B3>:#'7 8OU1Z%S+%.-P%P9P'L3"- M>Q?OMV*S!6/.0.71XZ+V13:U@_@CP6NG>.D5;(_#[Z?&[@]M J5R/=!3O%FK MW@Q>8@89S"9F@7?,5)D5O1[L%_R"C=)@I-)@QM^=*4]@TP9\S7%YN1\&O)W-V=\;X,^$MQ5=<' 33B!^8![[E#WCGOG;JAEO\# MD],7K-=Y[9FK9YZYB^W\'$'Q5(U;2E]%X]")-(!%\4L*A*93Y7R@V\;'+"F1 MZ*:".L*[M^"[T;%8KU+T7U 9[)95[$F"0CWI6/G@#K6?)P)XOY14Q,%E"L4! M!&K\//6>!E M&O\5 (^-_P6B@@$[:V+MB4F%F!I42IZIO$^B2+J@# W^N^-;YN(CO@BGO*$ MV:5;B6@@M(+]XE]$]7M.*=(,2F' R"(\B0QB?@!K63 *L< Q0+_-_PIQ_I.MA?'-3N:N\3:T9ZXM^C6$=+:%/[ECP5UHKY=B^Y$M,'"(3]3_W/C%CGC?N%_! M$U\;;Q>PK]I\ RU,F39@YO,&>O#UG-TS+UC+S(_"^=/P)3P{J({V06'5T+AU) \ !VH0LC MZ@NE=)HR&+PJ6&UX=Z TV(E TL ,B#Z)U-SP YN%"7:NR/),TCS.F&.O&#:W MP&00-HABH>QHD:SD8$]MN5S*"ZQ6V-T-#W({JCP]\)-OT7&+ M^A7!R"XF\-6C&)27O.D;=89YTR?C,IA.4)X9N!V>E]E1=)>HH1?V44%Y+CL?M'<,@C=@H"5M)D)4]Q[7R)$;YQ(C.\Q=)2%^+'AX\3XSYSD M 2]['T)8@]AZ@0-KT,,J.3&"4C]@IT>(X$MHX)EU%;+QYT/ET!MH3+=GO%C:SI386FSLOP(\"%_BQI8"]J/]$@1<^&GXM0' MAD9,3X@K9T:=6LCW#JJIV2$DD%I=H3#FZH =;!O6L'32Q-8G($P'Y_Z9*T# MU,@TLQ4D,8YR&[WD4\9DPHS)P'^>-A-5J*=0^[Q3H V=Q6]9SYX/PBH#=;X! M,LX0U3H8A JMP1,FLU(QP5(O0'9$%U[4M25I&UI5W12FZ4ME,OKO2)0A'J1G"9Z+@.R4GOBN5TKJU'9#L7OFI9W();-WJ M09,BP7Z,>P@H_'=U98$ 9K^YXO$* H.RHMQC43(SM}]RDF'+-W";5N#945(Y M6;_!E, ?-M;[P8[K>+;+^UZCM^UA 22*$^:M64B=L1=H'60V'-P6VM'=<)[N MZ1"/1]B$:<&%<-!Y8U1R8+&?*+BK0+J==PE/D_7GMO4_OWH,"60Z*W(<5"S>;YP+? _=X#LY^H(.93.B09G,PQ ZPG&&P=9Q59I;%A+<:YXUBB?UI9N2!B?.7@C>W MLK\S09QJR5*S0"[F5,5LWAA+V6[W0;2+4_+)F$VEHOP,5#@)J8FY@PD;W!)3 M3U,$H4G$4T3T@%R){**,A_8YZMBP6U/$*?L;"H=]#<&%L^'$XP3CP;X?8.Y6MS(%>77HZ;9B8;Y'(YX-!U=Q>P<0Q]%Z@%WU$?7+G_WGC,FLTF?*BT]^$&Z-_BYVM&R0W.# #X_NQO M;]]^X6:>/U7HI=[D5<+>1*PDLE/]S-)?EX8#(9QM98]<;$-^F+!V]BJO<0S M/ L\!,/Z4\]5$GTA[I$)3_E%HDFWN),0260![D1AGLBCMMT(VH$)"?!>[@AQ M9&9'N&UB6WEL08Z>$>Z76Z?+03]$9"&='MQ3YH3*D7IZ$5/&X/O>7.!VQ+GE M!Z'20K=LX%LH@?G.O$H?7=Z?%T:*U.L_O!6[4$@[4\B,/"0!/!G%?9WY-JP* MX@8]B<=*=I9MDGZK+[P=(4*"01?LAV)7>N MQW)0P$-0>$=>C'ME5TUPX%T[2_N3"SLDB=^)GH,OS'>_UV2S\"F0,3I05F.(HN"2T:'=8<;N8()WH2T40% ! M2\]DL>[MC;3-[_!I=/-2%H88/LPW=[EN#<2#<$*<^*'FL=7;"S9,;#AX7R[[M!*)+/ 0D@"Q9X8*_4?D"&QX$AP'>G0@><%"(7")W[@I=SHZ%.L9;""S$E&D]M;=1*\0G.C,J2T]^_\O"@3OR$NPJYA6X;11RK&.'\+V%VH"1,7#24%UK2C<^X MY5ABF+@9$#/RO>;!]#!/9!7HPFS@^XP?_I3ZV9V;*S17@,AY!O^0;>*E; MQ<@7P]Z-B>'"%<6N]D)ES'!(\CE2%'B-BO#AC*V];P<[BKCV)2Y+=3Z1S"NYL MT1F2P@E>3;E,0D2.YE,[!?$7IXDLVUGRC';N90ALDJQX102>_1'N&KPY9(A% M)N/TPAK3?OP$[(8W<'["(R270OOWK2W[:B-OS]L@4XU:69MF1\5^V3T>C7-DF MXCR('&Z>H;U^T%QOG6%6/]+FU>.!T3@M!2U^;B]T3$Z%X= %.(+YTV,3=*% MYP)O(!')M9W2S4/$8T_,4.H0L?XAYRJ(;>; M/VP6/T!]I;/AL)<[<,*MOHW>KX.]DF$(*O({(0="1PZ+Z$G'')>)]A\$!$$&'B M28!XX>$1"X;JW'F6*"3X4/P*Q!4BV>]R\1/;<[M5LJ@VM2)G1GO[_ #5H$R"/RX](P?B8;%SHZXHTZ9V%?(E8W!77NZ5^R&*X%X MEGV8$E5U=_Z5S.\HM1N"Z0_3L@?77R>4^;H'5S=(HIPS3R&()&L+_($10,! M9,.0]"_01]-D$4L5GLC%3D438IU>+D+&TBHQL M)E@.8>4(V"HM9T_/UZK9'K%BT):%+R M:2""F%+R)#X[D#"$?LIZ"U]JJY[A M\<"71ZM9GF]@F\-MXMQ$R@B/H0C^#EV2BU"[ZMCX0Q#BQOWJ'T% 50?24EMS"6O>_MHI4IM*9H5. M@:??G]:.&2G2(_1"RN,@)LOT[)#E)+Y(\O(C[_0&(BX"SSC38S?'IN/O4O[4E!$N=]Y"&0*E1_9*79FW M47*HE&Q5*)@>0HL\+*I]X7P;=#]D6(B"&MBK/9?:+(C[$-O)386<*T**XX7C MFR"AK1^Q/U$*=[$*"P/HHB6A- D+)ZR91 D.KGB^*GW$,K/0RD+7Z$@5_I MUZE?6OB"UQ*7/LXJH[*O@&3B6[1GD?(QKW*ZLV6/*.XS">3P4BXA_B-ZX/ MFGIWS%/-:SYGM/1-O$>U"-BFN^2/V&GVI")DX_J*9TZ%4%";M7UF0=/Y.IH$UO ME#:"?X:CFARYK$%GB+3(GX!FV>1\5+BRG3#@]U8@"N.&IWBQYRL>Y]JO?O\>M@N4 ;!#Q:F[8P$>_O%#,.$ AJ1)=.^3]B@W&/^Y>&TF"I-UBI^[\$0KPEQ" MAML]B9+.?HC0,4L\O=%B\X1B0]YX5CPN;D"GQ:G"><=]>6(,O\[L++GG)C8Y M7D5+U?61YM8)N96&'EE'#!5NVN3ESO %[6<\]E#AJ*DZ,F6.N)- M6I@]3[4KER9FS&<+EP>SI3=H:3BA-$@.57)G$:05KH@H'6@&G7!/3CW3A]"-MV:M@L: Z,?IC3OH+ M^287LKD;D\,#3C;5$HH. ^;"$GAW>H3\CMT+-K!.;/=IOQ/UHT25FRX4=PGK@ M_N:<+1A==<Y^&6PQ+<3<(1".B%R@C4>X9C\\E:H5!-K MP7A*P5C8KH=F5I2BJLDP)01!QMG@_R8.[;#46+A"G-)+?9L9"U_9<6P[WS7[M3JK7L(,"(_Y(0-_P5#37?)}JN+(N@4VG:+TJUA^W8O#9^-X6O-.R3I>FQE3 MTUJE06X!($BSY(0L$77 ?'-# \(Z"5!B0=O%7&[BSZ,TT;U1BAQY)]!(S6U3MCT^)1F/RMM?*%W2&2SWB-R;/;J>]XW*_%DV417$(SL 6[?]Y9D^+R4E3 BNP MNJBZZ4V9!V9_%QWUQ3V0M*98G!%O*.9VD!#UHAR8XW!*9;VT)TM/.\MC;"9 M_*2.D8?.CKPKS9EX%R(F$F\.@N63=R[F_[+&>^ /0V2*BDO@2:).%_UZ_AO-MN1.J)Y.WOCUJI4S.3Y]*E6>S:%!_[WSK:,X\-6=X-QY>V<1>T9@M4Z M\-/C^BB9OA5G;=$9/[.<5=&B%$UX,19(E+@6!MW&C6/B5K950)@2>Q%\N;/>R/2$>;69OX.9.@<5E@FNV??$LUTQB5W[N*L@_2 M>GX33\RQ)F6C%+[I/,+I75]R4O'3[VQ3N%^):>.8&H2)/@'T+%{3)"FA:V+I M+^@>#X^9T+GU9%+1LV>T(T3Z=.:TL6_B8$#+K]B))K(B&[Q:L1!#%CP G(M6U#O6$P^835+N@%3!S'OGO&>2?Q.Z;\27[E4JO:GQ20Q#*89_:2,5]H.A.IF MU9:Y_&\D6MQ*'#F>+