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Differences between income taxes calculated using the statutory federal income tax rate of 21% in the fiscal year ended July 31, 2019, 26.9% in the fiscal year ended July 31, 2018, and 35% in the fiscal year ended July 31, 2017 and the provision for income taxes are as follows (in thousands):

	Fiscal years ended July 31,		
	2019	2018	2017
Statutory federal income tax	\$ 2,617	\$ (2,224)	\$ 9,984
State taxes, net of federal benefit	(939)	(993)	806
Share-based compensation	(8,013)	(8,715)	2,517
Non-deductible officers' compensation	3,938	3,230	959
Foreign income taxed at different rates	203	1,022	(819)
Research tax credits	(6,943)	(5,822)	(2,377)
Re-measurement of U.S. deferred taxes	—	36,125	—
Non-deductible acquisition costs	—	1,270	270
Domestic production activity deduction	—	—	(1,370)
Permanent differences and others	918	666	484
Change in valuation allowance	(61)	(6,092)	—
Total provision for (benefit from) income taxes	\$ (8,280)	\$ 18,467	\$ 10,454

The tax effects of temporary differences that gave rise to significant portions of deferred tax assets and liabilities are as follows (in thousands):

	As of July 31,	
	2019	2018
Accruals and reserves	\$ 7,870	\$ 12,129
Stock-based compensation	6,353	7,658
Deferred revenue	2,316	4,023
Property and equipment	—	1,268
Net operating loss carryforwards	55,881	56,668
Tax credits	74,819	60,450
Total deferred tax assets	147,239	142,196
Less valuation allowance	31,421	28,541
Net deferred tax assets	115,818	113,655
Less deferred tax liabilities:		
Intangible assets	7,413	11,461
Convertible debt	10,274	11,567
Property and equipment	1,435	—
Unremitted foreign earnings	302	258
Capitalized commissions	6,086	—
Total deferred tax liabilities	25,510	23,286
Deferred tax assets, net	90,308	90,369
Less foreign deferred revenue	—	69
Less foreign capitalized commissions	906	—
Total net deferred tax assets	89,402	90,300

The Company considered both positive and negative evidence, including future reversals of existing taxable temporary differences, projected future taxable income, tax planning strategies, historic book profit/loss, prior taxable income/loss, and results of future operations, and determined that a valuation allowance was not required for a significant portion of its deferred tax assets. A valuation allowance of \$31.4 million and \$28.5 million remained as of July 31, 2019 and 2018, respectively. The increase of \$2.9 million in the valuation allowance in the current fiscal year relates primarily to net operating losses and income tax credits incurred in certain tax jurisdictions for which no tax benefit was recognized.