Table 1: QQN vs Non-QQN Optimizer Comparison Matrix														
	Adam	Adam-AMSGrad	Adam-Fast	Adam-Weight Docay	GD	GD-Momentum	GD-Nexterov	GD-WeightDocay	L-BFGS	L-BFGS-Aggressive	L-BFGS-Conservative	Trust Region-Adaptive	Trust Region-Conservative	Trust Region-Star
			40W-6L-13T		38W-3L-18T			30W-5L-24T						46W-0L-13T
	SIW-IL-ST	54W-2L-3T	42W-7L-10T	46W-1L-12T	38W-2L-29T	49W-0L-10T	37W-3L-19T	31 W-6L-22 T	30W-0L-29T	43W-01-16T	28W-4L-27T	49W-0L-10T	55W-0L-4T	48W-0L-11T

Legend: W = Wins (statistically significant better performance), L = Losses (statistically significant worse performance), T = Ties (no significant difference). Green indicates QQN variant dominance, red indicates non-QQN dominance.