Table 1: QQN vs Non-QQN Optimizer Comparison Matrix														
	Adam	Adam-AMSGrad	Adam-Fast	Adam-Weight Docay	GD	GD-Momentum	GD-Nexterov	GD-WeightDecay	L-BFGS	L-BFGS-Aggressive	L-BFGS-Conservative	Trust Region-Adaptive	Trust Region-Conservative	Trust Region-Standar
			40W-6L-13T		38W-3L-18T									
	55W-2L-2T	55W-2L-2T	41W-6L-12T	48W-3L-8T	39W-1L-29T	49W-0L-10T	36W-3L-20T	31 W-6L-22 T	29W-0L-30T	43W-01-16T	26W-3L-30T	49W-0L-10T	54W-0L-5T	48W-1L-10T

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.