

Qn4) Simulation table for Security Queue of Airport.

Seed	RHO	L Customer	L(Q) Customer	L(S) Customer	W (Mins)	W(Q) Mins	W(S) mins
12345	0.789	3.748981	2.9595533	0.7894285	7.54343	5.955003	1.588432
98765	0.80911671	4.2388033	3.429686594	0.80911671	8.394288953	6.79195947	1.60232947
54567	0.801105	4.02779848	3.22669269	0.801105791	8.05580062	6.453548533	1.602252088
67234	0.7934097	3.840499323	3.04708958	0.793409743	7.688450765	6.100091744	1.588359021
78123	0.799687	3.992189289	3.192502207	0.799687083	7.963511411	6.368317209	1.595194202
Average	0.798463682	3.969654278	3.171104874	0.798549565	7.92909635	6.333783991	1.595313356
Theoretical	0.8	4	3.2	0.8	8	6.4	1.6

The results of Simulation are Consistent with the Theoretical calculations in Qn 3.