

DATE: 12/19/17

CoderExpert

SINGLE SERVER QUEUE SIMULATION

GROCERY STORE CHECKOUT COUNTER

RESULT

MEAN INTER-ARRIVAL TIME	4.5
MEAN SERVICE TIME	3.2
STANDARD DEVIATION OF SERVICE TIMES	0.6
NUMBER OF CUSTOMERS SERVED	1000.0
SERVER UTILIZATION	0.7103099744991545
MAXIMUM LINE LENGTH	8.0
AVERAGE RESPONSE TIME	6.535300599133357
PROPORTION WHO SPEND FOUR - MINUTES OR MORE IN SYSTEM	0.683
SIMULATION RUN LENGTH	4486.341312338275
NUMBER OF DEPARTURES	1000.0

Program Run Time : 110.0 ms