

DATE: 12/14/17

# CoderExpert

## SINGLE SERVER QUEUE SIMULATION

### GROCERY STORE CHECKOUT COUNTER

#### RESULT

<b>MEAN INTER-ARRIVAL TIME</b>	<b>4.5</b>
<b>MEAN SERVICE TIME</b>	<b>3.2</b>
<b>STANDARD DEVIATION OF SERVICE TIMES</b>	<b>0.6</b>
<b>NUMBER OF CUSTOMERS SERVED</b>	<b>1.0E7</b>
<b>SERVER UTILIZATION</b>	<b>0.7110119672084872</b>
<b>MAXIMUM LINE LENGTH</b>	<b>22.0</b>
<b>AVERAGE RESPONSE TIME</b>	<b>7.276618341831009</b>
<b>PROPORTION WHO SPEND FOUR - MINUTES OR MORE IN SYSTEM</b>	<b>0.6762821</b>
<b>SIMULATION RUN LENGTH</b>	<b>4.500402974633786E7</b>
<b>NUMBER OF DEPARTURES</b>	<b>1.0E7</b>

Program Run Time : 3940.0