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COMP 132 HW1

1) Simulation parameters: 720 4 4

Number of customers: 281

Average Wait Time: 0.588652

Average Service Time: 2.507092

Maximum Wait Time: 2

Maximum Queue Length: 3

2) Simulation parameters: 720 3 4

Number of customers: 360

Average Wait Time: 0.819945

Average Service Time: 1.997230

Maximum Wait Time: 2

Maximum Queue Length: 75

Number of customers increased from 281 to 360 as result of this maximum queue length increased from 3 to 75. This all happened because of the decrease in the arrival time.

3) Poisson distribution is the best in real time events like the number of customers in a supermarket.