Department of Electrical and Computer Engineering

ECE 358 – Computer Networks

Project 1: M/M/1 and M/M/1/K Queue Simulation

Group #45

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1. Mean = 0.013745426599965874

Variance = 0.00018271183098679045

1/75 = 0.0133333..

(1/75)^2 = 0.00017778

Here the expected mean and variance are 1/lamda and (1/lamda)^2 respectively. They are quite close to the values given by the 1000 variables generated by our code so we do accept these.