A spreadsheet simulation for single-server queueing system is to be done for output data analysis.

(1) Consider rho is 0.9 (if interarrival times has 60 seconds as mean, then the service time has a mean of 54 seconds) and simulate for at least n = 1000 replications (runs) and each replications with at least m = 500 customers.

(2) The starting conditions should be varied with the number of customers, s = 0, 5, 10, 12, 15. Here s represents the number in system at time zero.

(3) For each starting condition, show the plot of E(Di) for n = 250, 500, 750, 1000 replications in a single graph considering m = 500 customers.

(4) Finally, show the plot of E(Di) for n = 1000 replications and m = 500 customers for different starting conditions s in a single graph.