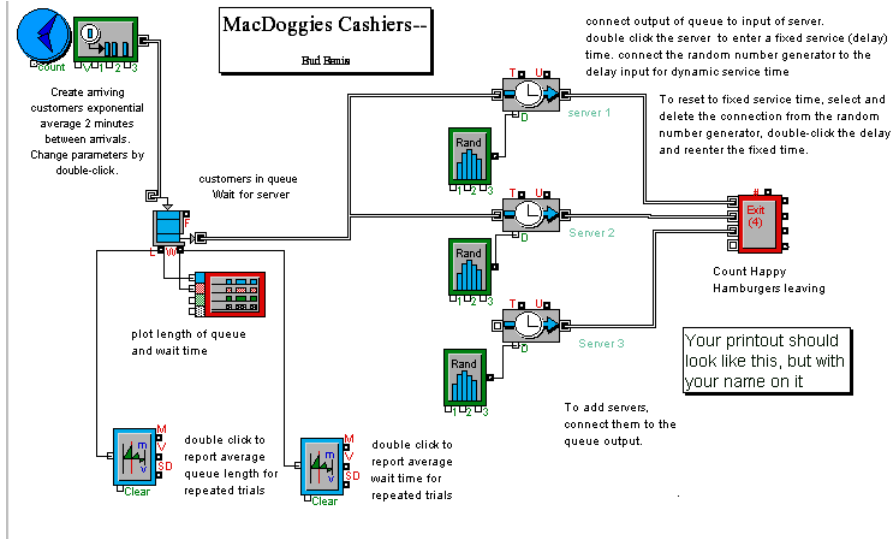


III



This is data I obtained for Exercise 5: Each value is a mean of three runs:

	Expt 1A constant Mu	Expt 1B--Variable Mu	Expt 2--varMu, M=2	Expt 3-varMu, M=2, arrival rate =60
Lq	3.32	4.39	0.31	6.56
Wq	5.86	6.99	0.41	5.69

20 As you did in Exercise 5, following the same logic we used in class in the airport ticket office clerk example, do a comparison of data from experiment one with one server to experiment three with two servers to draw conclusions about the effect of combining queues.

	Sum of two Independent queues	Combined queues
total people in line		
Wq		

Conclusion: