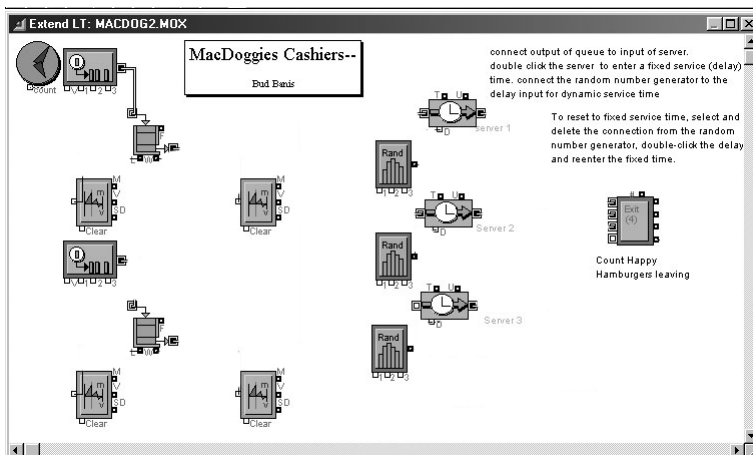Simulation/Queuing quiz- Watch the Videos and submit this in lieu of doing the experiments yourself

EXTEND Simulation Experiment:

a) Draw the connections required for two parallel queues with random service times as in experiment 3 in the videos.

b) fill in the four missing numbers in the data table for this example of experiment three.

Expt 3	Combining Queues				
	Two Independent queues			Combined queues	
	Lq	Wq		Lq	Wq
one	4.06	6.65		6.73	5.74
two	4.59	7.58		5.71	5
three	4.33	7.18		6.36	5.49
Avg.	4.33	7.14			
one	4.32	7.05			
two	5.26	8.44			
three	4.78	7.7			
Avg.	4.79	7.73			
	Lq added	Wq Avgd.			

c) Why does Combining Queues give more efficiency in lower waiting time, shorter (total) lines and less time in the system?