Exercise 6-4

To address the "how-much-room" question, we made five replications and got the following results on the number waiting in the three queues:

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Seize Dock 1.Queue	4.3062	1.64	1.4003	17.9920	0.00	29.0000
Seize Dock 2.Queue	3.9716	1.64	1.1059	17.6362	0.00	28.0000
Seize Dock 3.Queue	3.6625	1.63	0.8298	17.3013	0.00	28.0000

While the *average* queue lengths appear to be about 3 to 4, the *maximum* queue lengths are more like 28 or 29. So to be relatively sure there will be room all the time, we'd need space for about 29 trucks per queue; looking at averages isn't always the right thing to do.