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CS162

LAB 9 Discussion

This discussion will briefly discuss the questions presented at the end of the lab. For this lab I simply used the number 0 to represent people in a queue. Since nothing was being done with the values, except moving them in and out of the queue, I didn't think it was necessary to go more in depth.

After creating both types of queues I found that the results were exactly the same. This is due to the fact that multi-queue process searches for the shortest queue and then places a person in that queue. In my opinion this is what a person in real life would do. Since we are removing any outside factors in how things are processed all of the queues move at the same speed. Typically, a line will become backed up if people do not choose the emptiest line. Since we are writing a program though we can ignore the human factor and we can easily see that the timing is the exact same.

This leads me to believe that it wouldn't matter how we are adding people to both of these queue setups. In a perfect environment they will always finish at the same time. However, in real life I think that the single queue would work best. By having just one line we remove the need for a person to pick which queue line is the best. The human element seems to be the main reason that there is a difference between the two processes in the real world.