

Enter the input filename: HW2 Test Input1.txt

Starting simulation at 0.0

Starting processing ID# 1 at 5.7

Finished processing 1 at 9.8

Starting processing ID# 2 at 9.8

Finished processing 2 at 13.600000000000001

Starting processing ID# 3 at 13.600000000000001

Finished processing 3 at 15.8

Starting processing ID# 4 at 23.4

Finished processing 4 at 29.0

Starting processing ID# 5 at 29.0

Finished processing 5 at 32.3

Ended simulation at 32.3

Total Idle Time: 13.299999999999997

Number served: 5

Total Wait Time: 10.100000000000005

Average Wait Time: 2.020000000000001

Enter the input filename: HW2 Test Input2.txt

Starting simulation at 0.0

Starting processing ID# 1 at 3.2

Finished processing 1 at 7.0

Starting processing ID# 2 at 10.9

Finished processing 2 at 14.4

Starting processing ID# 3 at 14.4

Finished processing 3 at 18.6

Starting processing ID# 4 at 18.6

Finished processing 4 at 21.700000000000003

Starting processing ID# 5 at 21.700000000000003

Finished processing 5 at 24.1

Starting processing ID# 6 at 24.1

Finished processing 6 at 28.400000000000002

Starting processing ID# 7 at 28.400000000000002

Finished processing 7 at 31.1

Starting processing ID# 8 at 31.1

Finished processing 8 at 33.2

Starting processing ID# 9 at 33.2

Finished processing 9 at 35.7

Starting processing ID# 10 at 36.6

Finished processing 10 at 40.0

Ended simulation at 40.0
Total Idle Time: 7.999999999999999
Number served: 10
Total Wait Time: 26.100000000000012
Average Wait Time: 2.610000000000001

Enter the input filename:
Can't open input file

After copying, the source queue has

Event: 10, 11.0, 16.0 ->
Event: 20, 21.0, 26.0 ->
Event: 30, 31.0, 36.0 ->
Event: 40, 41.0, 46.0 ->
Event: 50, 51.0, 56.0 ->
Event: 60, 61.0, 66.0 ->
Event: 70, 71.0, 76.0 ->
Event: 80, 81.0, 86.0 ->
Event: 90, 91.0, 96.0

After copying, before clearing the copy queue has

Event: 10, 11.0, 16.0 ->
Event: 20, 21.0, 26.0 ->
Event: 30, 31.0, 36.0 ->
Event: 40, 41.0, 46.0 ->
Event: 50, 51.0, 56.0 ->
Event: 60, 61.0, 66.0 ->
Event: 70, 71.0, 76.0 ->
Event: 80, 81.0, 86.0 ->
Event: 90, 91.0, 96.0

Contents of the copy queue:

Event: 10, 11.0, 16.0
Event: 20, 21.0, 26.0
Event: 30, 31.0, 36.0
Event: 40, 41.0, 46.0
Event: 50, 51.0, 56.0
Event: 60, 61.0, 66.0
Event: 70, 71.0, 76.0
Event: 80, 81.0, 86.0
Event: 90, 91.0, 96.0
Queue has been emptied

After clearing the copy queue has:

Checking ability to add back the queue after clearing:

Now the copy queue has:

Event: 10, 11.0, 16.0 ->
Event: 20, 21.0, 26.0 ->
Event: 30, 31.0, 36.0 ->
Event: 40, 41.0, 46.0