Name : Sakib Bin Asad

Id : 011 161 281

CSI424(A)

For num\_delays until 10 customers,

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | LIFO | SJF |
| Average Delay | 0.0 | 0.0 | 0.0 |
| Expected Number of Customers in the queue | 0.0 | 0.0 | 0.0 |
| Expected Utilization of the server-1 | 0.51 | 0.51 | 0.51 |
| Expected Utilization of the server-2 | 0.01 | 0.01 | 0.01 |

For num\_delays until 50 customers,

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | LIFO | SJF |
| Average Delay | 0.17 | 0.17 | 0.13 |
| Expected Number of Customers in the queue | 0.77 | 0.76 | 0.72 |
| Expected Utilization of the server-1 | 0.50 | 0.48 | 0.47 |
| Expected Utilization of the server-2 | 0.28 | 0.30 | 0.31 |

For num\_delays until 100 customers,

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | LIFO | SJF |
| Average Delay | 0.31 | 0.28 | 0.24 |
| Expected Number of Customers in the queue | 1.14 | 1.10 | 1.08 |
| Expected Utilization of the server-1 | 0.48 | 0.48 | 0.48 |
| Expected Utilization of the server-2 | 0.28 | 0.29 | 0.28 |