Assignment: Process Management

Reproduce the state chart that we discussed in class below:

Create Gantt charts for the following algorithms and processes. Calculate out their throughput, wait time, turnaround time, total overhead delay, as well as the averages for each. Assume a Delay of 1 unless otherwise stated

Algorithms:

First-Come First-Serve / Delay 2

Shortest Job First / Delay 2

Shortest Remaining Time

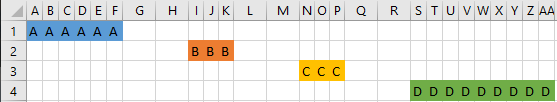
Round Robin Delta 1

Round Robin Delta 3

Processes:

|  |  |  |
| --- | --- | --- |
| Process Name | Arrival Time | Time to Completion |
| Task A | 0 | 6 |
| Task B | 2 | 3 |
| Task C | 4 | 3 |
| Task D | 5 | 9 |

FCFS



Shortest Job First

Shortest Remaining Time

Round Robin Delta 1

Round Robin Delta 2