Consider the following set of processes, fill the table with the indicated algorithms (Q=2 for Round Robin). Finally, calculate the average waiting and turnaround time.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Last Cycle** | | | | **Waiting time** | | | | **Turaround Time** | | | |
| **Process** | **Arrival Time** | **Bust Time** | **FCFS** | **SJF** | **SRT** | **RR** | **FCFS** | **SJF** | **SRT** | **RR** | **FCFS** | **SJF** | **SRT** | **RR** |
| A | 0 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| B | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| C | 2 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| D | 5 | 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| E | 7 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Here you are a template that will help you to illustrate each algorithm. You can use it for each algorithm, but you must fill the cells by hand.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**INSTRUCTIONS**

1. You must only complete this assignment on paper by hand. Computer is forbidden.
2. This assignment will be optional. It will only count if the average of the other assignments is less than the mark of this one.
3. Remember: You can print the template four times, one for each algorithm. But, it is compulsory to fill the cells by hand.