Calculate the average waiting time.

1. **FCFS SCHEDULING-**

|  |  |  |
| --- | --- | --- |
| **Process Id** | **Arrival time** | **Burst time** |
| P1 | 0 | 4 |
| P2 | 2 | 6 |
| P3 | 3 | 2 |
| P4 | 6 | 1 |
| P5 | 4 | 3 |

1. **SJF non-preemptive**

|  |  |  |
| --- | --- | --- |
| **Process Id** | **Arrival time** | **Burst time** |
| P1 | 0 | 6 |
| P2 | 3 | 2 |
| P3 | 4 | 4 |
| P4 | 5 | 1 |
| P5 | 2 | 3 |

**3) SJF preemptive -SRTF**

|  |  |  |
| --- | --- | --- |
| **Process Id** | **Arrival time** | **Burst time** |
| P1 | 4 | 6 |
| P2 | 3 | 5 |
| P3 | 2 | 4 |
| P4 | 1 | 3 |
| P5 | 0 | 2 |

**4) Round Robin**

**Q=3**

|  |  |  |
| --- | --- | --- |
| **Process Id** | **Arrival time** | **Burst time** |
| P1 | 0 | 9 |
| P2 | 1 | 4 |
| P3 | 2 | 3 |

**Q = 5**

|  |  |  |
| --- | --- | --- |
| **Process Id** | **Arrival time** | **Burst time** |
| P1 | 0 | 10 |
| P2 | 5 | 20 |
| P3 | 10 | 15 |
| P4 | 15 | 5 |