|  |  |  |
| --- | --- | --- |
| Process | Arrival time | Burst Time |
| P1 | 0 ms | 5 ms |
| P2 | 1 ms | 3 ms |
| P3 | 2 ms | 3 ms |
| P4 | 4 ms | 1 ms |

Q1.

Consider the following set of processes, with the arrival times and the CPU-burst times given in milliseconds What is the average turnaround time for these processes with the preemptive shortest remaining processing time first.

1. An operating system uses the Shortest Remaining Time First (SRTF) process scheduling algorithm. Consider the arrival times and execution times for the following processes:

| Process | Arrival time | Burst Time |
| --- | --- | --- |
| P1 | 20 ms | 0 ms |
| P2 | 25 ms | 15 ms |
| P3 | 10 ms | 30 ms |
| P4 | 15 ms | 45 ms |