SJF EXAMPLE WITH DIFFERENT ARRIVAL TIMES

- If at time T, we have multiple processes in the ready queue, then select the process with least burst time and Schedule it on the cpu
- If the burst time of multiple processes are same, pick the one with least arrival time(FCFS)
- Seven if the arrival time are same for multiple processes, pick the one which is above in the table.
- SJF is nonpreemptive
- SJF gives minimum average waiting time for a set of processes A dvantage
- Predicting next burst time of a process is a tough task.

| | | AT | ВТ | ST | CT | TAT | WT | RT |
|-----|-----|----|----|----|----|-----|----|----|
| Х-Э | Ps | 2 | 2 | 2 | 4 | 2 | 0 | 0 |
| × | P2 | 2 | 2 | 4 | 6 | 4 | 2 | 2 |
| × | P3 | 4 | 3 | 6 | 9 | 5 | 2 | 2 |
| × | P4- | 3 | 5 | 13 | 18 | 15 | 20 | 20 |
| × | P5 | 5 | 4 | 9 | 13 | 8 | 4 | 4 |

77 = CT - AT

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$$P_{2}$$
 P_{3} P_{5} P_{4} $WT = TAT - CPU Burst - P_{5}$
 P_{5} P_{7} $P_$