

Suppose four jobs A, B, C, and D with CPU burst times of 10, 2, 5, and 3, respectively, arrive in that order at almost the same time in the system. Using a Gantt Chart, show how they are scheduled to run by each of the following scheduling policies. Also compute the average waiting time and average response time for the processes for each scheduling policy. Tabulate the results to help in making design decisions.

- first-come first served.
- round-robin with a time-quantum of 2 time-units.
- shortest job first