

1.
 - Total wait time: 23
 - Total runnint time: 20
 - Average wait time: 4.6
 - Average time to completion: 8.6

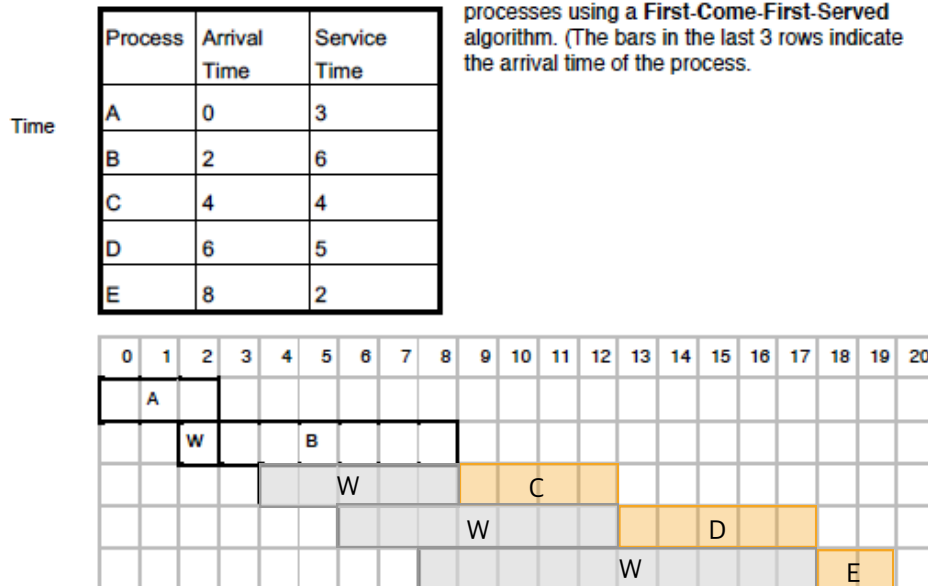
CSC 369: Exercise 11

Scheduling

Consider the following list of processes:

if time starts at 0, then A arrives at time 0 and gets 3 time units of service. At this point it is complete and leaves. B arrives at time 2, waits 1 time unit, and then runs for 6 time units. We assume that once a process has the CPU it runs to completion.

Q1. Fill in the chart below for the remaining 3 processes using a **First-Come-First-Served** algorithm. (The bars in the last 3 rows indicate the arrival time of the process.)



Total Waiting time: 23 time units

Total Running time: 20 time units

Average Wait time: 4.6 time units

2. Now create a schedule that **minimizes wait time**. You may not change the arrival time,

and once a process begins running, it runs to completion. How do you choose the next process to run?

Answer:

Shortest job First

From the tasks that are on schedule, choose one with the shortest job once a task finishes.