

ASSIGNMENT #2

Determine the average waiting time and the average turn-around time of the processes below using SRTF.

Process ID	Arrival Time	CPU Burst	Priority
A	0	4	3
B	3	7	2
C	8	3	1
D	10	3	4

Show your solutions.

$$WT_a = 0 - 0 = 0\text{ms}$$

$$WT_b = 4 - 3 = 1\text{ms}$$

$$WT_c = 11 - 8 = 3\text{ms}$$

$$WT_d = 14 - 10 = 4\text{ms}$$

Average waiting time:

$$(0+1+3+4)/4 = 8/4 = 2\text{ms}$$

$$TT_a = 4 - 0 = 4\text{ms}$$

$$TT_b = 11 - 3 = 8\text{ms}$$

$$TT_c = 14 - 8 = 6\text{ms}$$

$$TT_d = 17 - 10 = 7\text{ms}$$

Average turnaround time:

$$(4+8+6+7)/4 = 25/4 = 6.25\text{ms}$$