

Question

The table below describes the CPU-I/O Burst cycles for processes P1, P2 and P3. Assume 0 is the highest priority.

Process	Priority	Arrival time	CPU Burst 1	I/O Burst 1	CPU Burst 2	I/O Burst 2	CPU Burst 3
P1	1	0	10	4	12	-	-
P2	0	7	4	10	4	12	2
P3	2	4	6	2	6	-	-

- (a) Draw the Gantt chart timeline, illustrating the interleaving of processes, and calculate the average waiting time for each process under
1. a non pre-emptive priority scheduling algorithm
 2. a round robin scheduling algorithm with quantum = 6.

Simultaneously (No Wait)

[illegible]

FCFS

[illegible]

Round robin q=6 (Assume q for context switch 0)

[illegible]

Non pre-emptive priority scheduling

[illegible]

Pre-emptive priority scheduling

[illegible]

Non pre-emptive SJF

[illegible]

Pre-emptive SJF

[illegible]