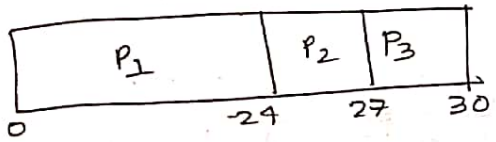
1)

Process	Burst Time
P_1	24
P_2	3
P_3	3

Gantt chart



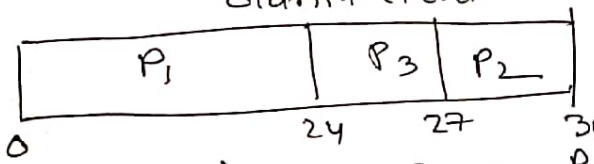
Waiting time for $P_1 = 0$; $P_2 = 24$, $P_3 = 27$

Average waiting time $(0+24+27)/3 = 17$.

2)

Process	Burst Time
P_1	24
P_3	3
P_2	3

Gantt chart



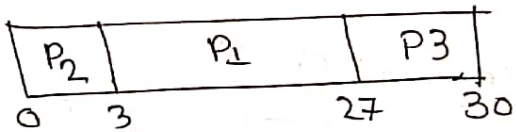
Waiting time $P_1 = 0$, $P_2 = 27$, $P_3 = 27$

Average waiting time $= (0+24+27)/3 = 17$

3)

Process	Burst Time
P_2	3
P_1	24
P_3	3

Gantt Chart



Waiting time $P_2 = 0$, $P_1 = 3$, $P3 = 27$.

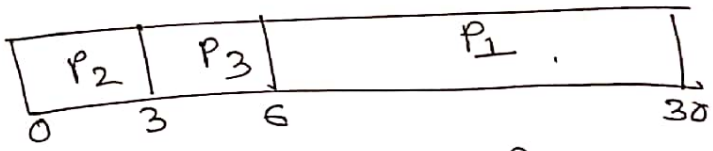
Average waiting time $= (0+3+27)/3$

$= 10$.

4)

Process	Burst Time
P_2	3
P_3	3
P_1	24

Gantt chart



waiting time = $P_2 = 0$

$P_3 = 3$

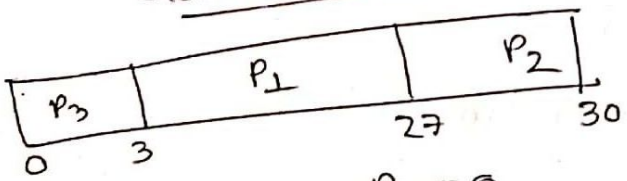
$P_1 = 6$.

average waiting = (0+3+6)/3
= 3

5)

Process	Burst Time
P_3	3
P_1	24
P_2	3

Gantt chart



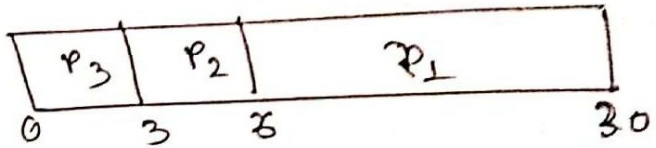
waiting time = $P_3 = 0$
$P_1 = 3$
$P_2 = 27$

average waiting time = (0+3+27)/3
= 10.

5)

Process	Burst Time
P_3	3
P_2	3
P_1	24

Gantt chart



waiting time = $P_3 = 0$, $P_2 = 3$, $P_1 = 6$

average waiting time = (0+3+6)/3 = 3