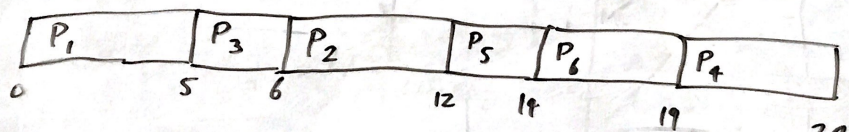


Process	Burst Length	Arrival Time	Priority
P ₁	5	0	7
P ₂	6	1	3
P ₃	1	3	8
P ₄	8	6	6
P ₅	2	8	5
P ₆	5	10	1

1. SJF

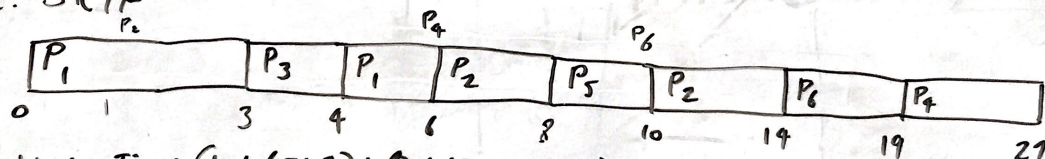


$$\text{Avg Waiting: } (0 + 5 + 2 + 13 + 4 + 4) / 6 = 4.667$$

$$\text{Avg Turnaround: } (5 + 11 + 3 + 21 + 6 + 9) / 6 = 9.167$$

Process	Burst Length	Arrival Time	Priority
P ₁	5	0	7
P ₂	6	1	3
P ₃	1	3	8
P ₄	8	6	6
P ₅	2	8	5
P ₆	5	10	1

2. SRTF



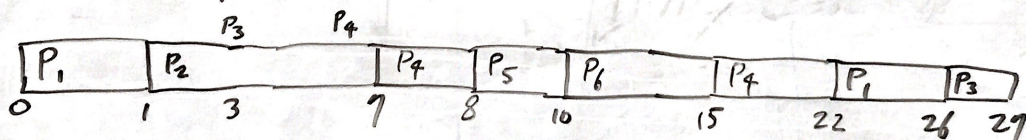
$$\text{Avg Waiting Time: } (1 + (5+2) + 0 + 13 + 0 + 4) / 6 = 4.167$$

$$\text{Avg Turnaround Time: } (6 + 13 + 1 + 21 + 2 + 9) / 6 = 8.667$$

Process	Burst Length	Arrival Time	Priority
P ₁	5	0	7
P ₂	6	1	3
P ₃	1	3	8
P ₄	8	6	6
P ₅	2	8	5
P ₆	5	10	1

$$\frac{22}{16}$$

3. Preemptive Priority

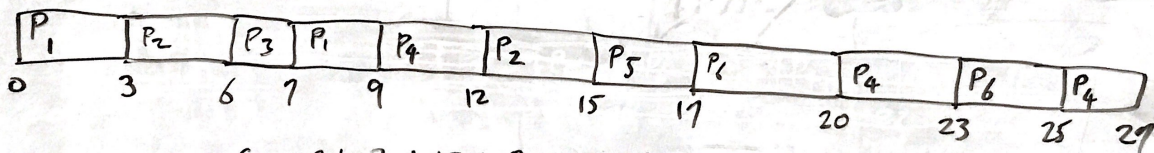


$$\text{Avg Waiting Time: } (21 + 0 + 23 + (1 + 7) + 0 + 0) / 6 = 8.667$$

$$\text{Avg Turnaround Time: } (26 + 6 + 24 + 16 + 2 + 5) / 6 = 13.167$$

Process	Burst Length	Arrival Time	Priority
P ₁	5	0	7
P ₂	6	1	3
P ₃	1	3	8
P ₄	8	6	6
P ₅	2	8	5
P ₆	5	10	1

4. Round Robin with time quantum = 3



$$\text{Avg Waiting Time: } (4 + 8 + 3 + 13 + 7 + 10) / 6 = 7.5$$

$$\text{Avg Turnaround Time: } (9 + 14 + 4 + 21 + 9 + 15) / 6 = 12$$