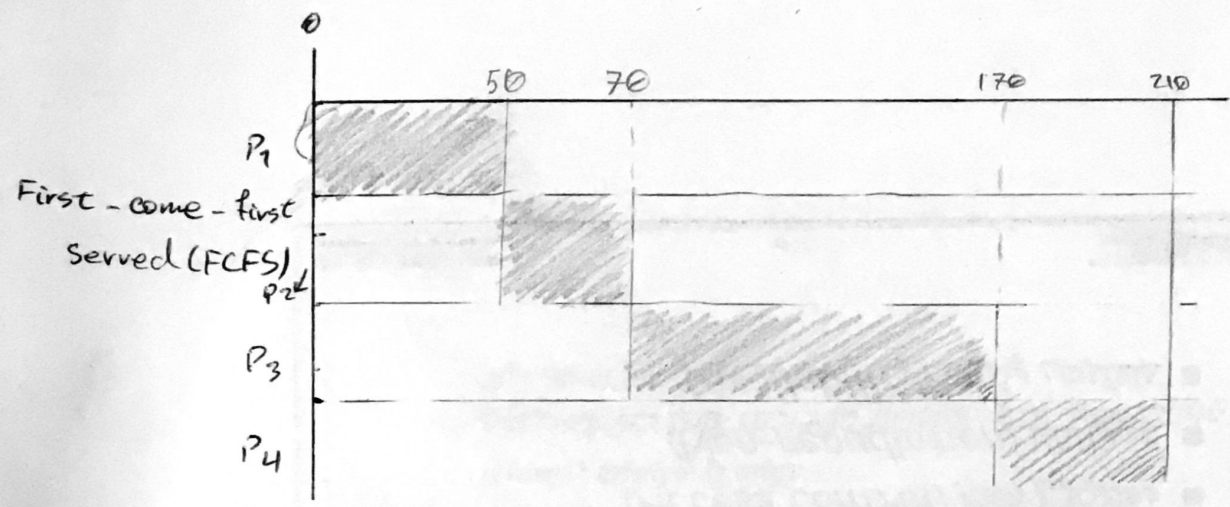
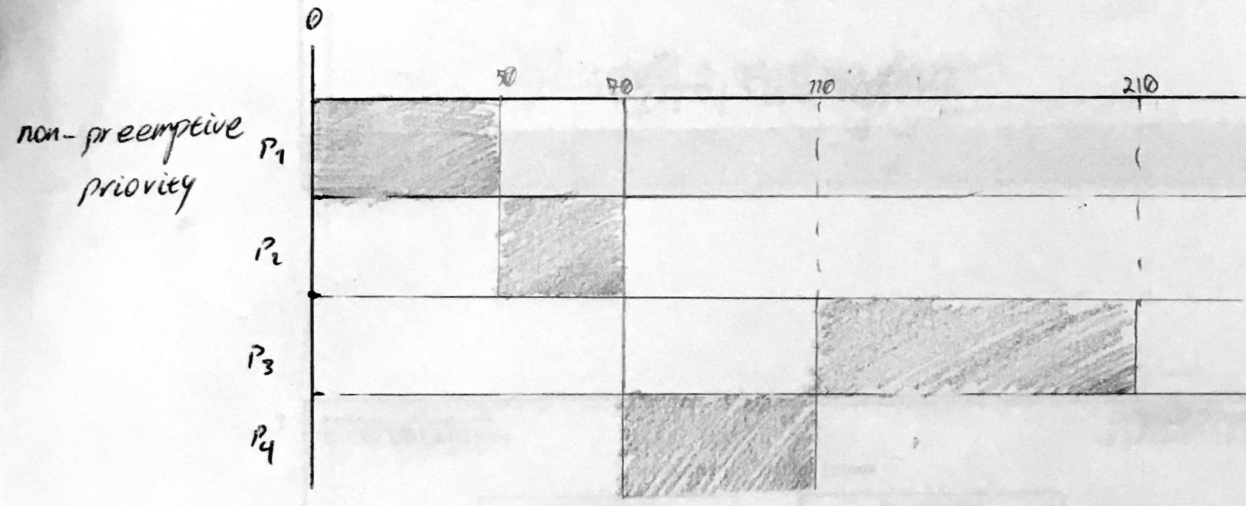


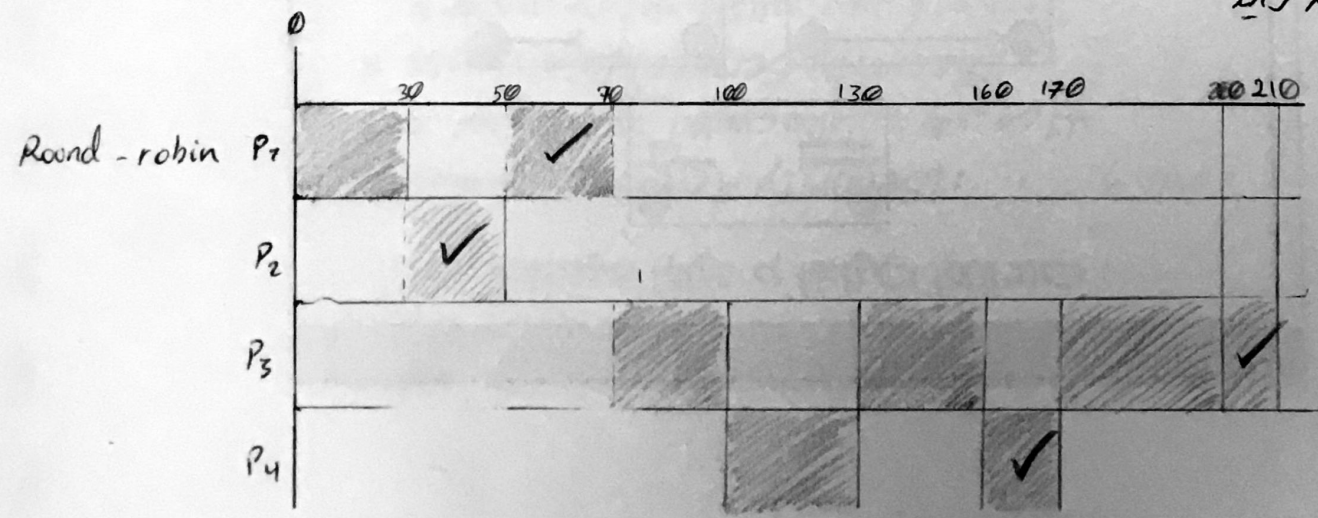
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در عدد کمتر، اولویت بالاتری دارد.



✓ : پایان هر فرایند



FCFS: $P_1 \rightarrow P_2 \rightarrow P_3 \rightarrow P_4 \rightarrow P_5$

(2)

Turnaround time : 2 3 11 15 20

waiting time : 0 2 3 11 15 $\Rightarrow \text{Avg} = 3\frac{1}{5} = 6.2$

SJF: $P_2 \rightarrow P_1 \rightarrow P_4 \rightarrow P_5 \rightarrow P_3$

TAT : 1 3 7 12 20

WT : 0 1 3 7 12 $\Rightarrow \text{Avg} = 2\frac{3}{5} = 4.6$

non-preemptive: $P_3 \rightarrow P_5 \rightarrow P_1 \rightarrow P_4 \rightarrow P_2$

Priority

TAT : 8 13 15 19 20

WT : 0 8 13 15 19 $\Rightarrow \text{Avg} = 5\frac{5}{5} = 11$

Round-robin: $P_1, P_2, P_3, P_4, P_5, P_3, P_4, P_5, P_3, P_5, P_3$

Quantum = 2

TAT: $P_1 = 2, P_2 = 3, P_3 = 20, P_4 = 13, P_5 = 18$

WT: $P_1 = 0, P_2 = 2, P_3 = 12, P_4 = 9, P_5 = 13 \Rightarrow \text{Avg} = 3\frac{6}{5} = 7.2$

2) min Avg(WT) \rightarrow SJF