

FCFS - First Come First Serve (non-preemptive)



➡ Run jobs in order that they arrive (no interrupt)

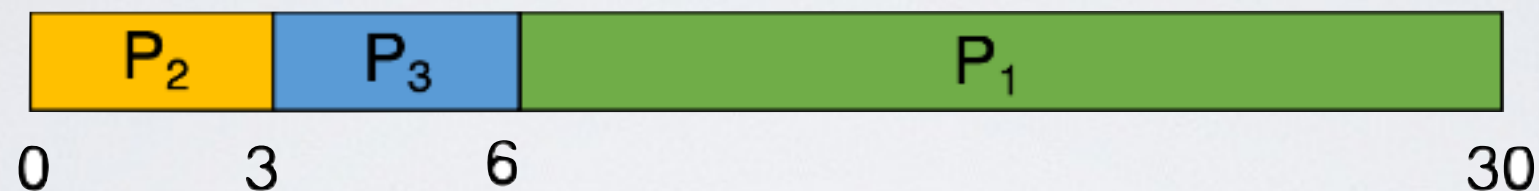
Throughput	$3 / 30 = 0.1 \text{ jobs/sec}$
Turnaround	$(24 + 27 + 30) / 3 = 27 \text{ sec in average}$
Waiting Time	$(0 + 24 + 27) / 3 = 17 \text{ sec in average}$

© **Problem : convoy effect**

all other threads wait for the one big thread to release the CPU

SJF - Shortest-Job-First (non-preemptive)

➔ Choose the thread with the shortest processing time



Throughput	$3 / 30 = 0.1 \text{ jobs/sec}$
Turnaround	$(30 + 3 + 6) / 3 = 13 \text{ sec in average}$
Waiting Time	$(0 + 3 + 6) / 3 = 3 \text{ sec in average}$

⦿ **Problem :** we need to know processing time in advance