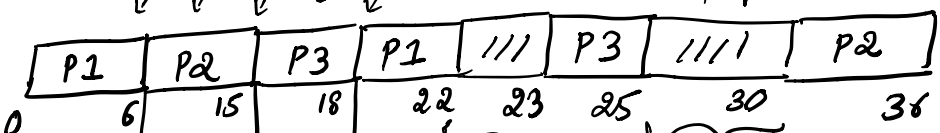
NONPREEMPTIVE PRIORITY SCHEDULING WITH IO AND CPU BURST

	Priority	AT	CPU BT	IO BT	CPU BT	ST	CT	TAT	WT	RT
P1	2	0	6	10	4	0	22	22	2	0
P2	1	2	9	15	6	6	36	34	4	4
P3	3	3	3	5	2	15	25	22	12	12

P1 P2 P3 P1 P3 P2 — I/O — P1 P2 P3



0 6 15 18 22 23 25 30 36

16 30 23

Avg TAT = (22+34+22)/3

Avg WT = (2+4+12)/3

Avg RT = (16)/3

TAT = CT − AT

WT = TAT − CPU BT − IO BT

RT = ST − AT

$$\text{CPU utilization} = \frac{36-6}{36} \times 100 = \frac{30}{36} \times 100$$

$$\text{Throughput} = \frac{3}{36-0} = \frac{1}{12}$$

Max(CT) − Min(AT)