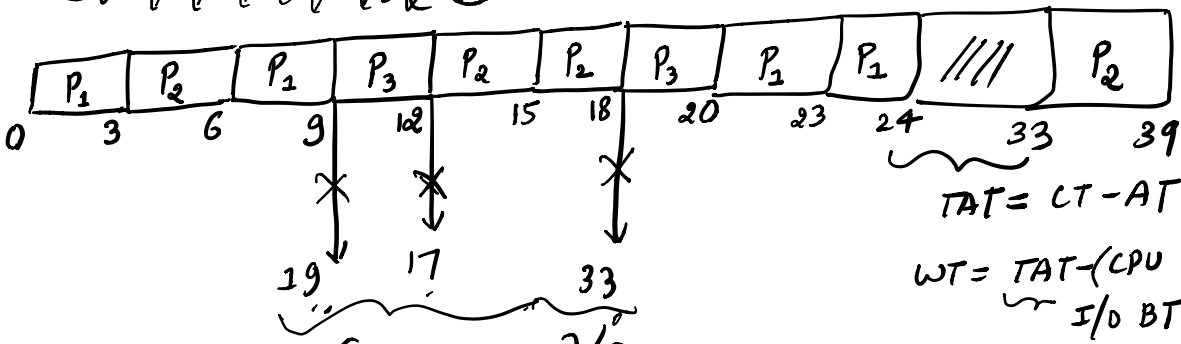
ROUND ROBIN SCHEDULING WITH CPU AND IO BURST

	AT	CPU BT	I/O BT	CPU BT	ST	CT	TAT	WT	RT
P_1	0	~~6~~ 3	10	~~4~~ 1	0	24	24	4	0
P_2	2	~~8~~ ~~6~~ 3	15	6	3	39	37	7	1
P_3	4	~~3~~	~~5~~	~~2~~	9	20	16	6	5

Ready : P_1 P_2 P_1 P_3 P_2 P_3 P_1 P_3

I/O : P_1 P_3 P_2 (3)



TAT = CT - AT

WT = TAT - (CPU BT + I/O BT)

RT = ST - AT

Avg TAT = (24 + 37 + 16)/3

Avg WT = (4 + 7 + 6)/3

Avg RT = (1 + 5)/3

$$\text{CPU utilization} = \frac{39-9}{39} \times 100 = \frac{30}{39} \times 100$$

$$\%\ \text{Idle time} = \frac{9}{39} \times 100$$

$$\text{Throughput} = \frac{3}{39-0} = \frac{1}{13}$$