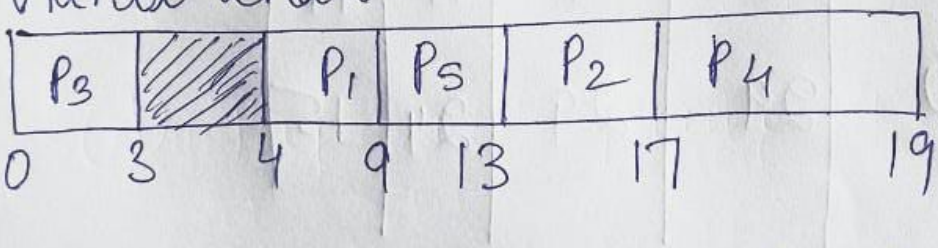
FCFS

Process	Arrival time	Burst time	Completion time	Turnaround time	Waiting time
$P_1 \rightarrow$	4	5	9	5	0
P_2	6	4	17	11	7
P_3	0	3	3	3	0
P_4	6	2	19	13	11
P_5	5	4	13	8	4

Gantt chart



average turn around time = 40/5 = 8 units

Avg. waiting = 22/5 = 4.4 units

Round Robin

Five process are given, content Switch time is 1 unit. calculate average WT, TAT, RT, No. of content switches and CPU utilization.

TQ = 3 unit

	Burst time	AT	CT	TAT	WT	RT
P_1	~~852~~	0	32	32	24	0
P_2	2	0	6	6	4	4
P_3	7 ~~$\frac{1}{4}$~~ 1	0	34	34	27	7
P_4	3	0	14	14	11	11
P_5	~~5~~ 2	0	29	29	24	15

Ready Queue

P1	P2	P3	P4	P5	P1	P3	P5	P1	P3

Gantt chart.

P1	P2	P3	P4	P5	P1	P3	P5	P1	P3

3 4 6 7 10 11 14 15 18 19 22 23 26 27 29 30 32 33 34

No. of content switches → 9

CPU utilization → Expected / Actual $\frac{25}{34} \times 100 = 73.5$