Round-Robin CPU Scheduling

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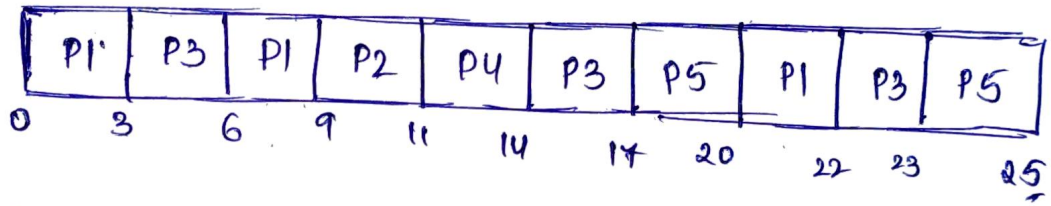
let us take;

Process	Arrival Time	Burst time
P1	0	8
P2	5	2
P3	1	7
P4	6	3
P5	8	5

Ready Queue:-

P1, P3, P1, P2, P4, P3, P5, P1, P3, P5

Gantt Chart:-



Completion Time for:

P1 = 22
P2 = 11
P3 = 23
P4 = 14
P5 = 25

Turn around Time for: P1 = Completion Time - Arrival =

P1 = 22 - 0 = 22
P2 = 11 - 5 = 6
P3 = 23 - 1 = 22
P4 = 14 - 6 = 8
P5 = 25 - 8 = 17

Waiting Time for: P1 = Turn around Time - Burst time

$\Rightarrow$ P1 = 22 - 8 = 14

P2 = 6 - 2 = 4

P3 = 22 - 7 = 15

P4 = 8 - 3 = 5

P5 = 17 - 5 = 12

Average waiting Time = $\frac{(14+4+15+5+12)}{5}$

$= \frac{50}{5} = \boxed{10.00}$

Average Turnaround Time = $\frac{(22+6+22+8+17)}{5}$

$= \frac{75}{5}$

$= \boxed{15.00}$