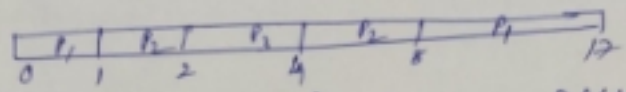
Preemptive (priority - based) also other

Process	Burst time	priority	Arrival time
P1	10	3	0
P2	5	2	1
P3	2	1	2

Gantt chart

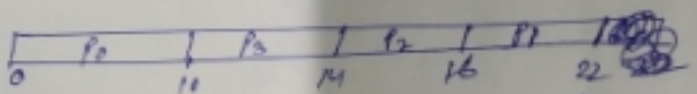


Avg WT = $\frac{0+(8-1)+1+(4-2)+2}{3} = \frac{7+1+2+2}{3} = \frac{12}{3} = 4$

Non preemptive (priority based) also

Process	A T (ms)	Next Burst (ms)	Priority
P0	0	10	5
P1	1	6	4
P2	3	2	2
P3	5	4	0

Gantt Chart



for each process we compute the finish time and waiting time from the gantt chart.

Process	AT T_0	Next Burst Δt	FT T_1	TAT = $T_1 - T_0$	WT = TAT − BT
P0	0	10	10	10	0
P1	1	6	22	21	15
P2	3	2	16	13	11
P3	5	4	14	09	05

AVG TAT = $\frac{53}{4} = 13.25$ AVG WT. $\frac{31}{4} = 7.75$