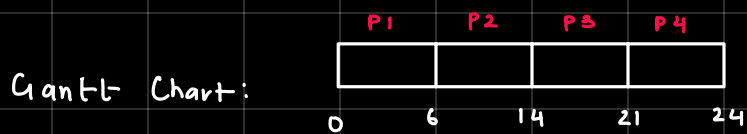


Q1.

Process	Arrival Time	CT	Turnaround time	waiting time	Burst Time
P1	0	6	6	0	6
P2	2	14	12	4	8
P3	4	21	17	10	7
P4	6	24	18	15	3

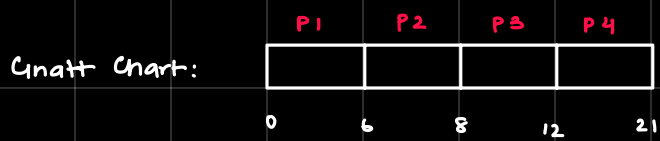


$$ATAT = (6 + 12 + 17 + 18) \div 4 = 13.25$$

$$AWT = (0 + 4 + 10 + 15) \div 4 = 7.25$$

Q2.

Process	Arrival Time	CT	Turnaround time	waiting time	Burst time
P1	1	6	5	0	5
P2	3	8	5	3	2
P3	6	12	6	2	4
P4	5	21	16	7	7

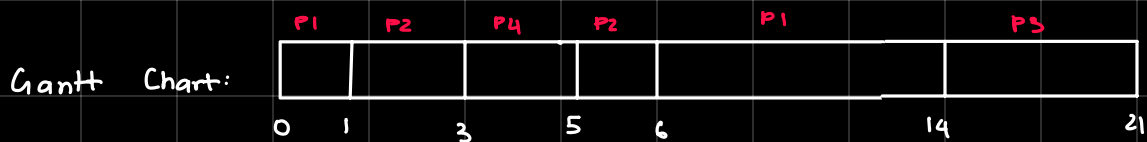


$$ATAT = (5 + 5 + 6 + 16) \div 4 = 18$$

$$AWT = (0 + 3 + 2 + 7) \div 4 = 3$$

Q3.

Process	Arrival Time	CT	Turnaround time	waiting time	Burst time
P1	0	14	14	5	9
P2	1	6	5	1	4
P3	2	21	19	12	7
P4	3	5	2	0	2



$$ATAT = 14 + 5 + 19 + 2 \div 4 = 10$$

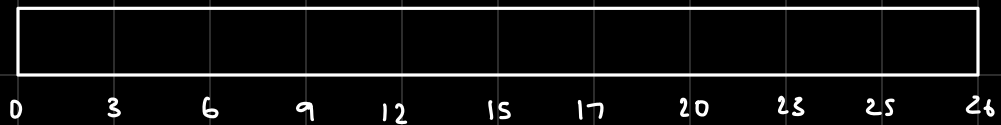
$$AWT = 5 + 1 + 12 + 0 \div 4 = 4.5$$

Q4.

Process	Arrival Time	CT	Turnaround time	waiting time	Burst time
P1	0	26	26	16	10
P2	1	17	16	11	5
P3	2	25	23	15	8
P4	3	12	9	6	3

P1 P2 P3 P4 P1 P2 P3 P1 P3 P1

Gantt Chart :



$$ATAT = 26 + 16 + 23 + 9 \div 4 = 18.5$$

$$AWT = 16 + 11 + 15 + 6 \div 4 = 12$$

Q5.

Process	Arrival Time	CT	Turnaround time	waiting time	Burst time
P1	0	30	30	18	12
P2	2	20	18	12	6
P3	4	26	22	14	8
P4	6	16	10	6	4

Gantt Chart :

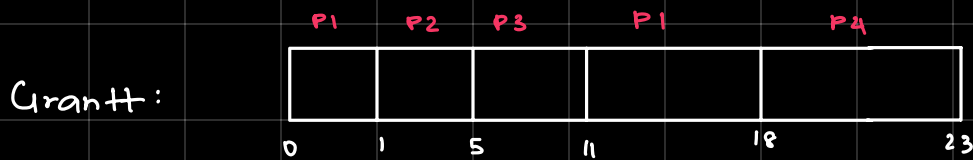


$$ATAT = (30 + 18 + 22 + 10) \div 4 = 20$$

$$AWT = (18 + 12 + 14 + 6) \div 4 = 12.5$$

Q6.

Process	Arrival Time	CT	Turnaround time	Waiting time	Burst time
P1	0	3	18	8	7
P2	1	1	5	4	4
P3	2	2	11	9	6
P4	3	4	23	20	5



$$ATAT = (18 + 4 + 9 + 20) \div 4 = 12.75$$

$$AWT = (11 + 0 + 3 + 15) \div 4 = 7.25$$

Q7.

Process	AT	Priority	CT	Turnaround time	Waiting time	Burst time
P1	0	2	11	11	3	8
P2	1	1	4	3	0	3
P3	2	3	16	14	9	5

$$ATAT = (11 + 3 + 14) \div 3 = 9.33$$

Grantt Chart:

$$AWT = (3 + 0 + 9) \div 3 = 4$$

