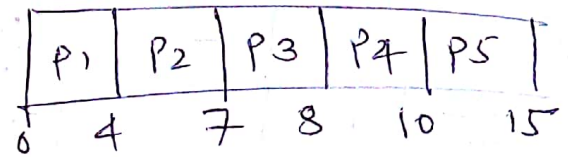


FCFS :- ~~FE~~ First come first served

PNO	AT	BT	CT	TAT	WT
P ₁	0	4	4	4	0
P ₂	1	3	7	6	3
P ₃	2	1	8	6	5
P ₄	3	2	10	7	5
P ₅	4	5	15	11	6

$$TAT = CT - AT \quad \text{--- (1)}$$

$$WT = TAT - BT \quad \text{--- (2)}$$



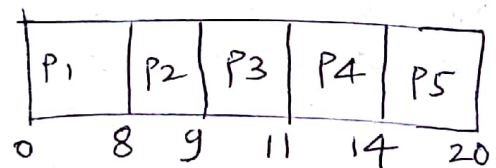
$$ATAT = \frac{4+6+6+7+11}{5} = 6.8 \text{ ms}$$

$$AWT = \frac{0+3+5+5+6}{5} = \frac{19}{5} = 3.8 \text{ ms}$$

SJF (NP) shortest Job First

PNO	AT	BT	CT	TAT	WT
P ₁	0	8	8	8	0
P ₂	1	1	9	8	7
P ₃	2	2	11	9	7
P ₄	3	3	14	11	8
P ₅	4	6	20	16	10

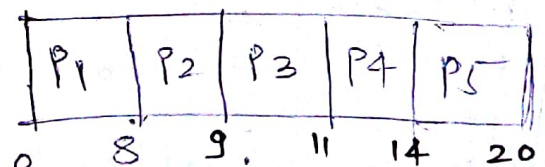
$$ATAT = \frac{8+8+9+11+16}{5} = 10.4 \text{ ms}$$



$$AWT = \frac{0+7+7+8+10}{5} = \frac{32}{5} = 6.4 \text{ ms}$$

Priority (NP)

PNO	AT	BT	Priority	CT	TAT	WT
P ₁	0	8	3	8	8	0
P ₂	1	1	1	9	8	7
P ₃	2	2	2	11	9	7
P ₄	3	3	3	14	11	8
P ₅	4	6	4	20	16	10



$$ATAT = 10.4 \text{ ms} \quad \cdot \quad AWT = 6.4 \text{ ms}$$

SJF (P) shortest Remaining Time

PNO	AT	BT	CT	TAT	WT
P1	0	8 7	20	19	11
P2	1	10	2	01	00
P3	2	20	4	02	00
P4	3	30	7	04	01
P5	4	6	13	09	03

P1	P2	P3	P4	P5	P1	///
6	1	2	4	7	13	20

$$ATAT = 7ms \quad AWT = 3ms$$

Priority (P)

PNO	AT	BT	Priority	CT	TAT	WT
P1	0	8	3	11	11	03
P2	1	1	1	02	01	00
P3	2	2	2	04	02	00
P4	3	3	3	14	11	08
P5	4	6	4	20	16	10

$$ATAT = 8.2ms$$

$$AWT = 4.2ms$$

P ₁	P ₂	P ₃	P ₁	P ₄	P ₅	
0	1	2	4	11	14	20

Round Robin. , TQ = 2

PNO	AT	BT	CT	TAT	WT
P1	0	4	8	8	04
P2	1	5	18	17	12
P3	2	2	6	4	02
P4	3	1	9	6	05
P5	4	6	21	17	11
P6	6	3	19	13	10

$$ATAT = 10.83ms$$

$$AWT = 7.33ms$$

$P_1, P_2, P_3, P_1, P_4, P_5, P_2, P_6, P_5, P_2, P_6, P_5$												
P_1	P_2	P_3	P_1	P_4	P_5	P_2	P_6	P_5	P_2	P_6	P_5	
0	2	4	6	8	9	11	13	15	17	18	19	21