

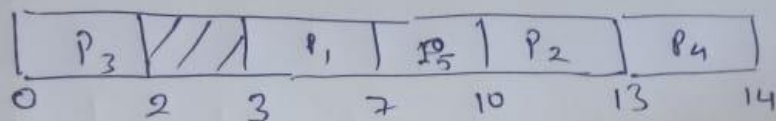
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Assignment 1

Ques 2)



$$TAT = \text{Exit time} - \text{Arrival time}$$

$$WT = TAT - \text{Burst time}$$

	TAT	WT
P ₁ = 7 - 3 = 4	4 - 4 = 0	
P ₂ = 13 - 5 = 8	8 - 3 = 5	
P ₃ = 2 - 0 = 2	2 - 2 = 0	
P ₄ = 14 - 5 = 9	9 - 1 = 8	
P ₅ = 10 - 4 = 6	6 - 3 = 3	

$$\text{Avg } TAT = \frac{29}{5} = 5.8$$

$$\text{Avg } WT = \frac{16}{5} = 3.2$$

Que 2)

P_4	P_2	P_3	P_2	P_3	P_5	P_4	
0	1	3	4	6	8	11	16

TAT

$$P_1 = 4 - 3 = 1$$

$$P_2 = 6 - 1 = 5$$

$$P_3 = 8 - 4 = 4$$

$$P_4 = 16 - 0 = 16$$

$$P_5 = 11 - 2 = 9$$

WT

$$1 - 1 = 0$$

$$5 - 4 = 1$$

$$4 - 2 = 2$$

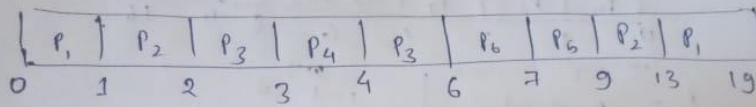
$$16 - 6 = 10$$

$$9 - 3 = 6$$

$$\text{Avg TAT} = 36/5 = 7.2$$

$$\text{Avg WT} = 19/5 = 3.8$$

Que 3)



TAT

$$P_1 = 19 - 0 = 19$$

$$P_2 = 13 - 1 = 12$$

$$P_3 = 6 - 2 = 4$$

$$P_4 = 4 - 3 = 1$$

$$P_5 = 9 - 4 = 5$$

$$P_6 = 7 - 5 = 2$$

WT

$$19 - 7 = 12$$

$$12 - 5 = 7$$

$$4 - 3 = 1$$

$$1 - 1 = 0$$

$$5 - 2 = 3$$

$$2 - 1 = 1$$

$$\text{Avg TAT} = 43/6 = 7.17$$

$$\text{Avg WT} = 24/6 = 4$$

Que 4)

P_1	P_2	P_3	P_1	P_4	P_5	P_2	P_1	P_5	
0	2	4	5	7	9	11	12	13	14

TAT

$$P_1 = 13 - 0 = 13$$

$$P_2 = 12 - 1 = 11$$

$$P_3 = 5 - 2 = 3$$

$$P_4 = 9 - 3 = 6$$

$$P_5 = 14 - 4 = 10$$

WT

$$13 - 5 = 8$$

$$11 - 3 = 8$$

$$3 - 1 = 2$$

$$6 - 2 = 4$$

$$10 - 3 = 7$$

$$\text{Avg TAT} = 43/5 = 8.6$$

$$\text{Avg WT} = 29/5 = 5.8$$