

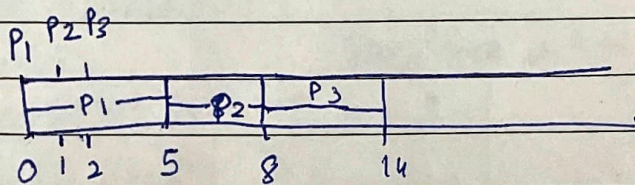
CT-AT

$$WT = TAT - CBT$$

Assignment 2

Part E

Process	AT	CBT	CT	TAT	WT	RT
P ₁	0	5	5	5	0	0
P ₂	1	3	8	7	4	5
P ₃	2	6	14	12	6	8

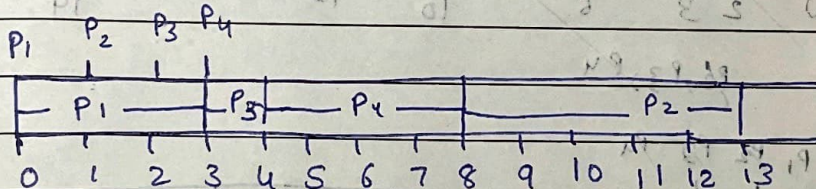
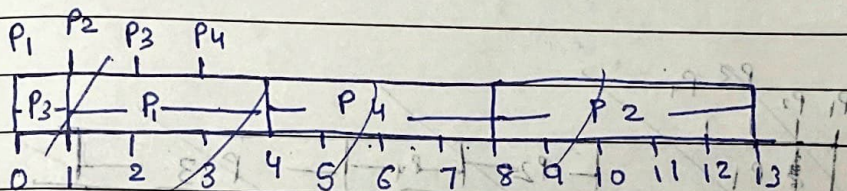


$$\text{Avg WT} = \frac{0 + 4 + 6}{3} = \frac{10}{3} = 3.33$$

2)

Process VAT CBT CT TAT WT RT

P ₁	0	3	4	3	0	0
P ₂	1	5	13	4	7	8
P ₃	2	1	7	2	1	3
P ₄	3	4	8	5	1	4



$$\text{Avg TAT} = \frac{3 + 12 + 2 + 5}{4} = \frac{22}{4}$$

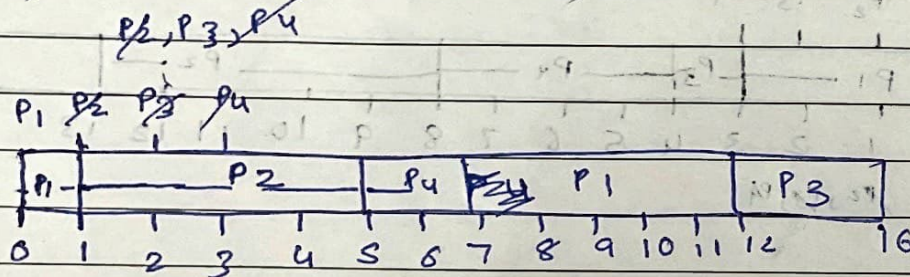
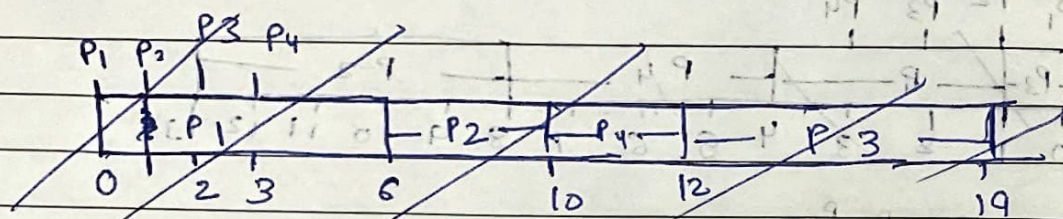
$$WT + CBT = TAT$$

$$TAT - CBT = WT$$

$$WT = CBT - TAT$$

3)

Process	WT	AT	CBT	Priority	TAT	WT	TAT
P ₁	0	10	6	3	12	1	18
P ₂	7	1	4	1	5	1	5
P ₃	1	2	7	4	9	4	9
P ₄	1	3	2	2	7	14	4

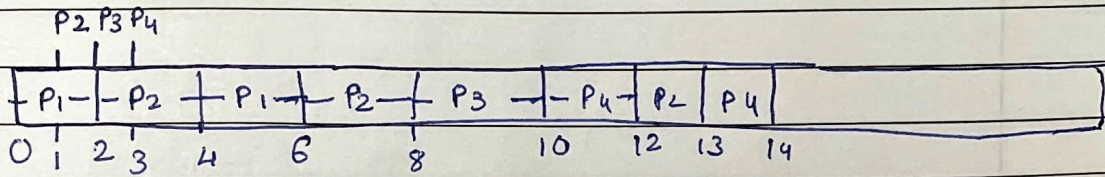


$$\text{Avg TAT} = \frac{2 + 5 + 5 + 8}{4} = 4.5$$

4)

Process	AT	CBT	CT	TAT	WT	RT
P ₁	0	4	6	6	2	
P ₂	1	5	10	12	7	
P ₃	2	2	10	8	6	
P ₄	3	3	14	11	8	

Time Slice = 2



$$\text{Avg. TAT} = \frac{6 + 12 + 11 + 8}{4} = \frac{37}{4}$$