

Make-up CT (OS)

①

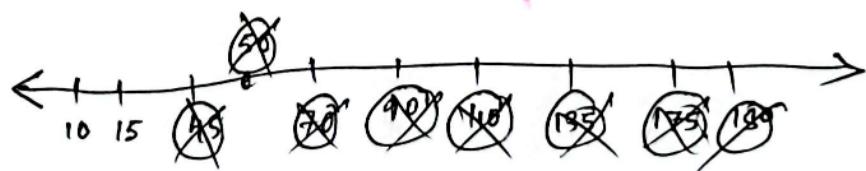
	Allocation	Max				Need				Available				Sequence		
		A	B	C	D	A	B	C	D	A	B	C	D			
P ₀	0 0 1 2	0	0	1	2	5	0	0	0	1	5	2	0	P ₃		
P ₁	1 0 0 0	1	7	5	0	0	7	5	0	1	11	5	2	P ₄		
P ₂	1 3 5 4	2	3	5	6	1	0	0	2	1	11	6	6	P ₀		
P ₃	0 6 3 2	0	6	5	2	5	0	0	2	0	1	11	7	8	P ₁	
P ₄	0 0 1 4	0	6	5	6	2	6	4	2	2	11	7	8	P ₂		
										3	14	12	12			

In a safe state.

②

Shortest Seek Time First:

track	45	70	90	110	135	175	190	15	10
head	50	45	70	90	110	135	175	180	15
motor	5	25	20	20	25	40	5	165	5

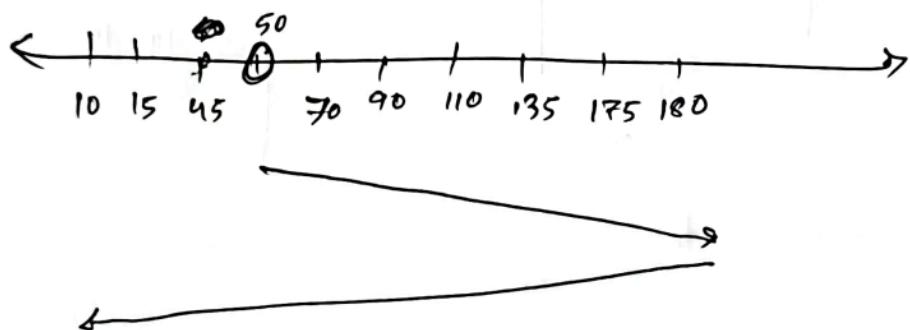


$$\therefore \text{Total} = 310$$

Seam:

track	70	90	110	135	175	180	45	15	10
head	30	70	90	110	135	175	180	45	15
moves	20	20	20	25	40	5	135	30	5

$$\text{Total} = 300$$



, ∵ Seam. will perform better