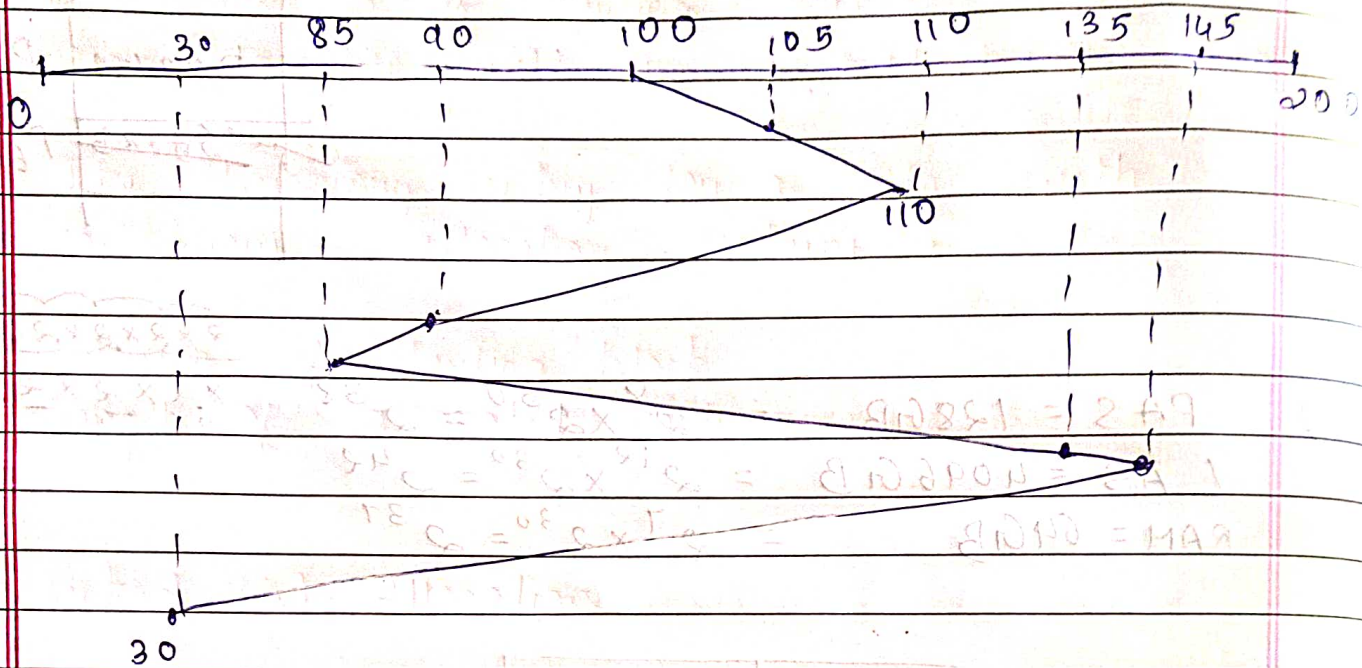
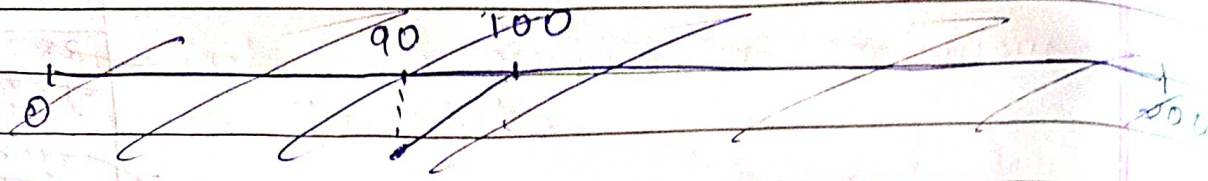


190CE096

Req Queue - 30, 85, 90, 100, 105, 110, 135, 145

Ans-1)



Path of Execution $100 \rightarrow 105 \rightarrow 110 \rightarrow 90 \rightarrow 85 \rightarrow 135 \rightarrow 145 \rightarrow 30$

No of Execution for 90 = 3

$$\text{Total Head moment} = (110 - 100) + (110 - 85) + (145 - 85) + (145 - 30)$$

$$= 10 + 25 + 60 + 115$$

$$= \boxed{210}$$

19DCE096

Ans 2)

contiguous allocation

- In this each file occupies a contiguous set of blocks on the disk.
- For Eg if file requires n blocks & is given a block b as starting location, then block assign to file will be $b, b+1, b+2, \dots, b+n-1$.
- The directory entry for a file with contiguous allocation contains:
 - a) Address of starting block
 - b) Length of allocated portion

2) linked list Allocation

- In this, each file is a linked list of disk blocks which need not be contiguous.
- The disk blocks can be scattered anywhere on disk.
- The directory entry contains a pointer to starting and the ending file block.