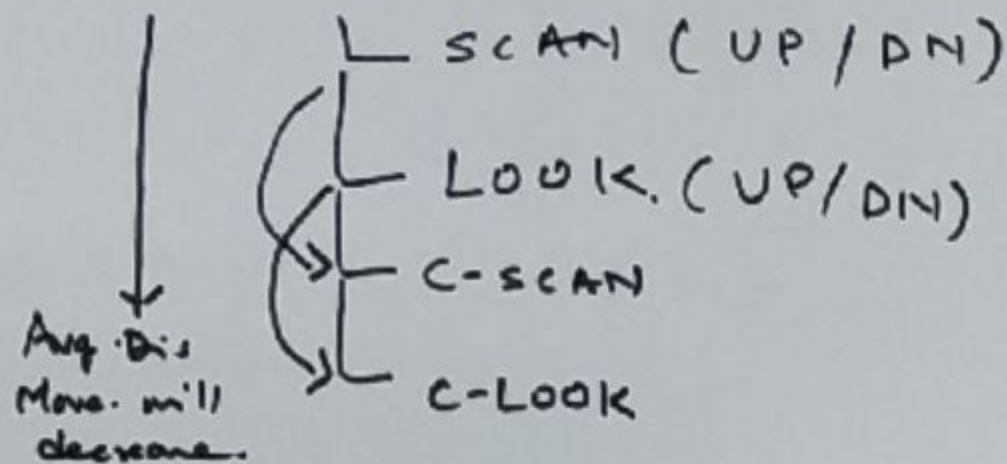


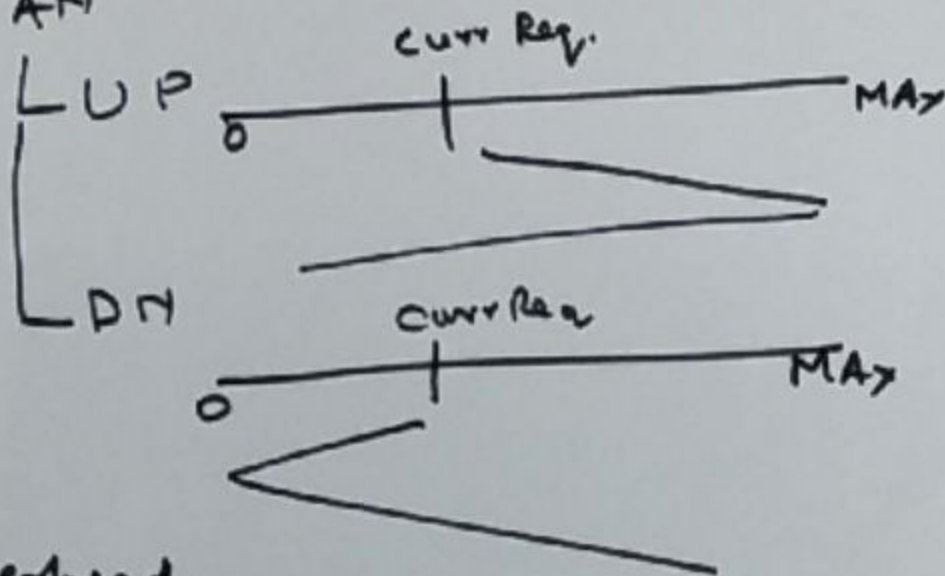
1 Disk Access Algo

- Elevator Algo (family)



- Elevator Algo. (SCAN)

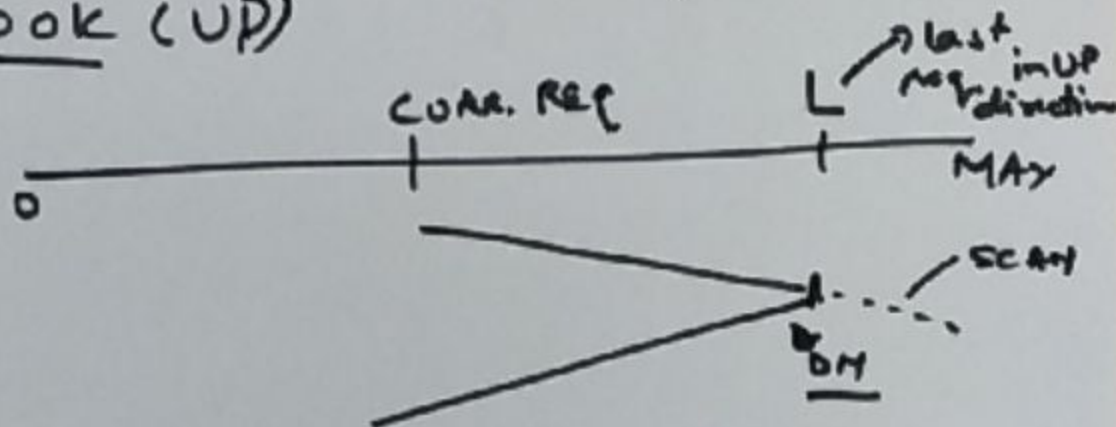
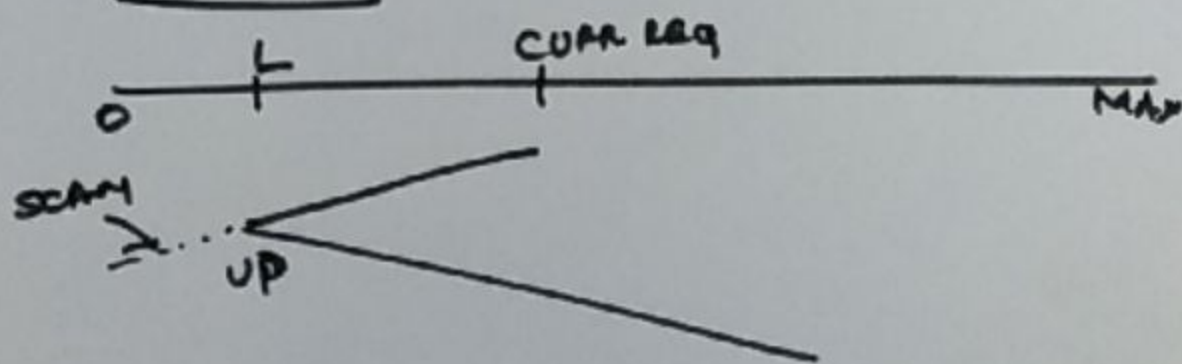
- SCAN



- Overhead

Look

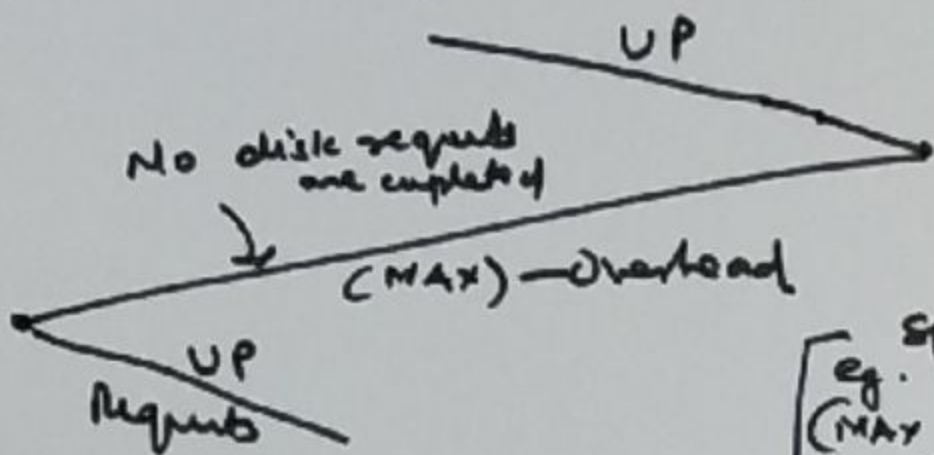
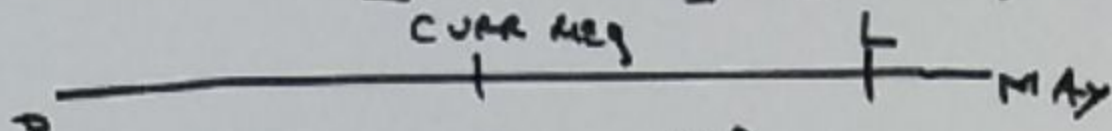
- Improved SCAN Algo.
- Go to MAX or 0. cyl./location on disk.
- Instead of MAX or 0, it will only reach to the last request in either of the directions

LOOK (UP)LOOK (DN)

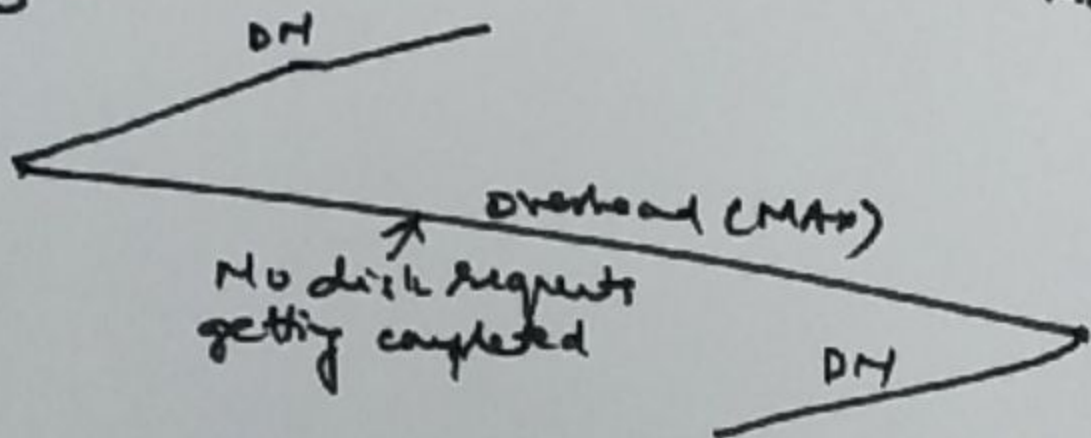
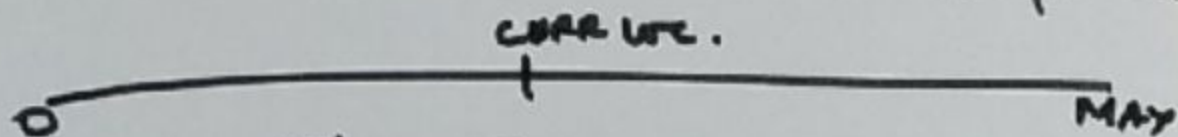
C-SCAN

X $\begin{bmatrix} \text{CSCAN(UP)} \\ \text{CSCAN(DN)} \end{bmatrix}$

$\begin{bmatrix} \text{SCAN(UP)} \textcircled{3} \\ \text{SCAN(DN)} \end{bmatrix}$



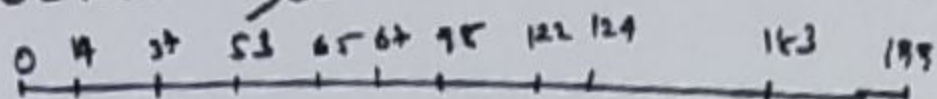
Specific
eg. case.
(MAY - 0)
 $\textcircled{1}$
Improved.



LOOKUP)

CURR

②

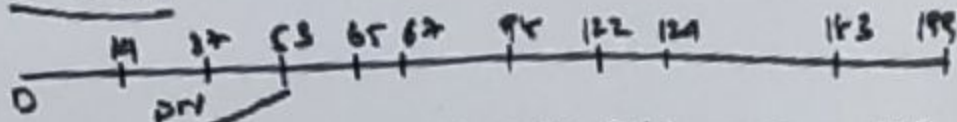


Overhead (SCAN) — 183 → 199.

199 → 37
SCAN

183 → 37
Look

C-SCAN



53 → 37 → 14 → 0 → 199

→ 183 → 124 → 122 → 98

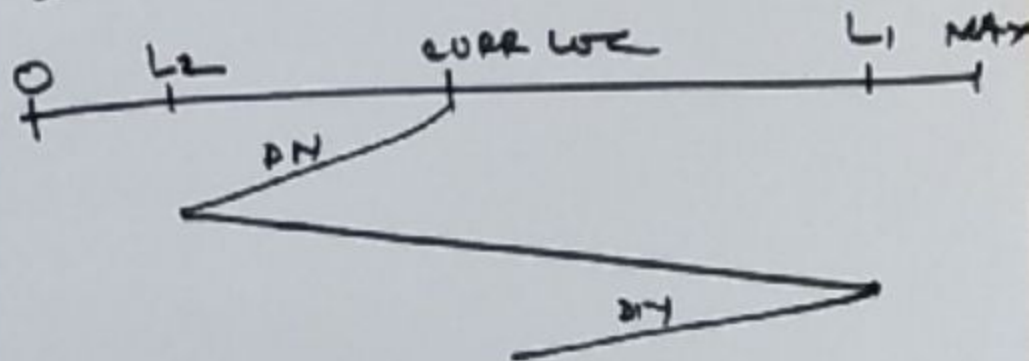
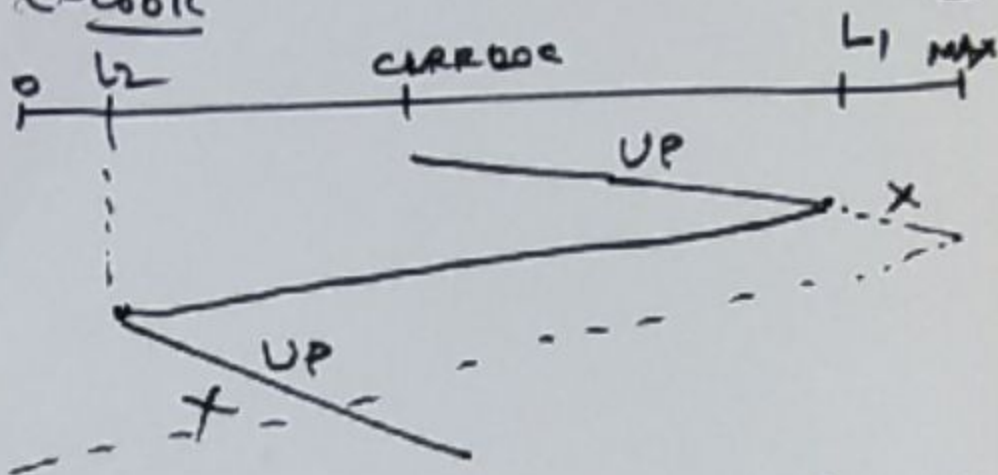
→ 67 → 65

Initially moving towards MAX

53 → 65 → 67 → 98 → 122 → 124 → 183 → 199 → 0
→ 14 → 37

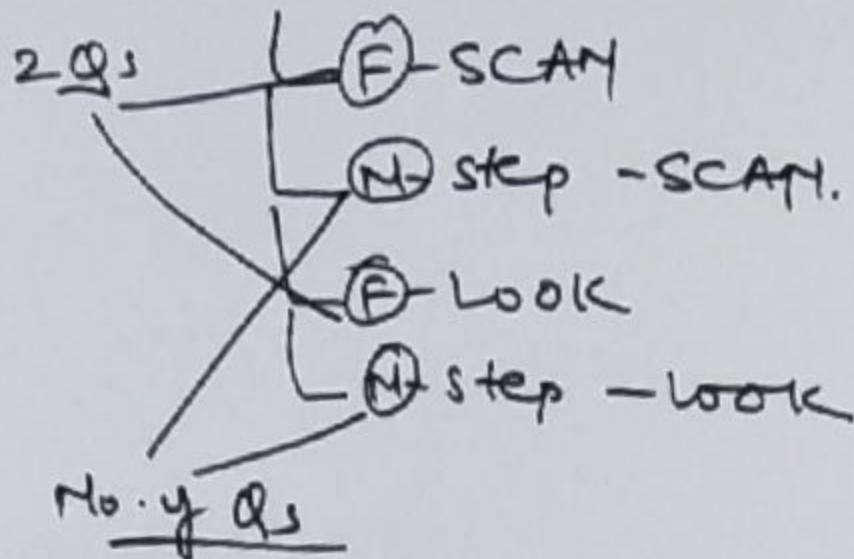
cool

(5)



⑥

— Multiple Req. Q.



→ Length of Q. (defined/given)

Ref. string: a, b, c, d, e, f, g, h

