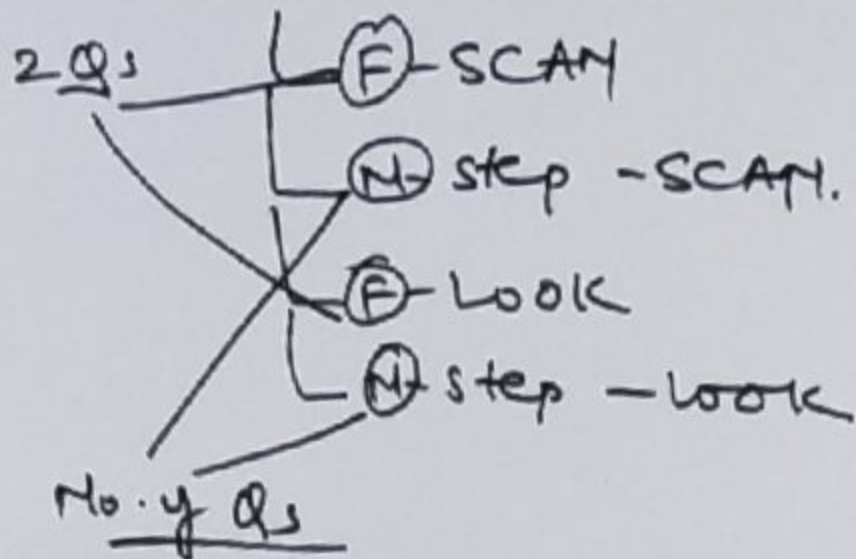


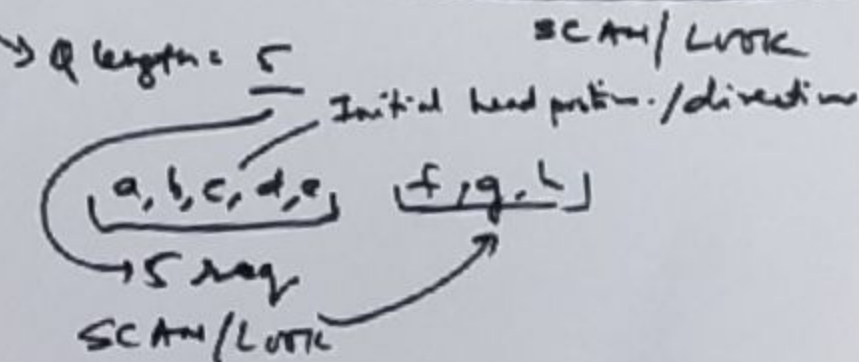
⑥

— Multiple Req. Q.



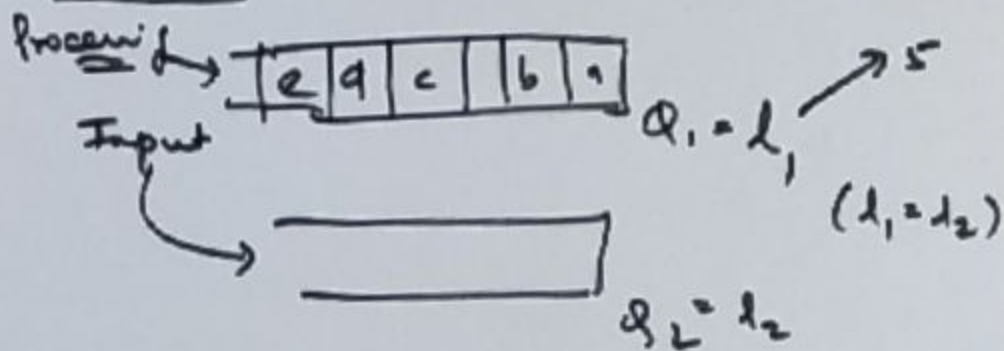
→ Length of Q. (defined/given)

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



- In case of multiple Q_i , whenever the disk scheduler moves from one group to the other, it continues in the direction where it left in the previous Q .

- F-SCAN



- Initially Q_1, Q_2 are empty

- $Q_1 \rightarrow$ Initially Input Q
- Post Q_1 (filled) \rightarrow Processing Q
- & $Q_2 \rightarrow$ Input Q

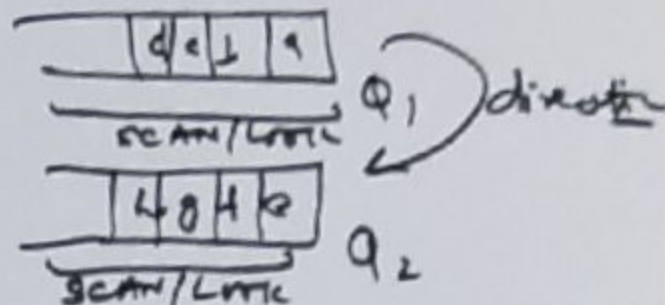
N-Step SCAN

↳ Drawback — F-SCAN

a, b, c, d, e, f, g, h, i

Q. length = 4

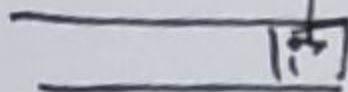
F-SCAN



i

Waiting

N-Step Scan

 Q_3

FSCAN

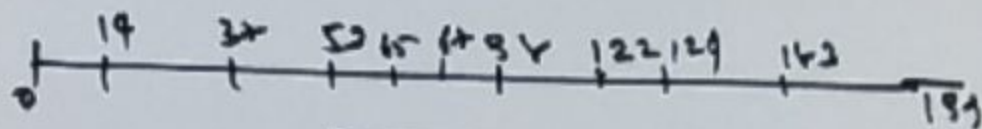
- Moving in ~~clock~~ direction

122	37	183	98
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Q₁

67	65	129	14
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Q₂



Q₁ empty

Direction changed

SCAN - 53 → 65 → 67 → 98 → 122 → 129
→ 183 → 195 → 37 → 14

FSCAN - 53 → 98 → 122 → 183 → 195 → 37 → 14 → 0
→ 65 → 67 → 129

98, 183, 37, 122, 14, 124, 65, 67

Initial Head Position : 53

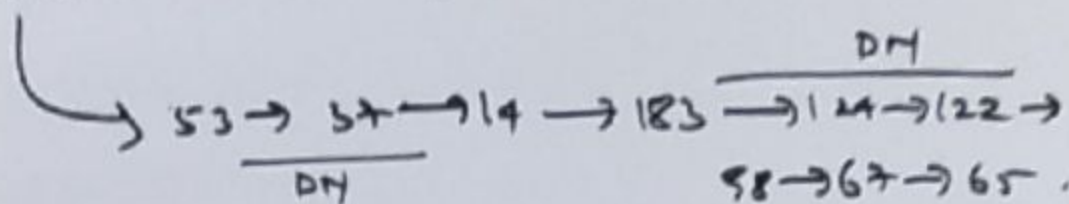
Range: 0-199

LOOK (UP)

C-SCAN — Initially moving in down direction

C-LOOK —

"



FSCAN (Q length = 4)

3-step SCAN (")