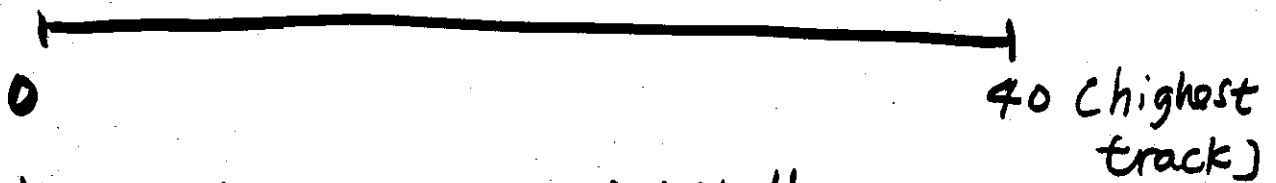


4. Disk Scheduling Algorithms

Objective {
minimize arm movement
minimize mean response time
minimize the variance in response time

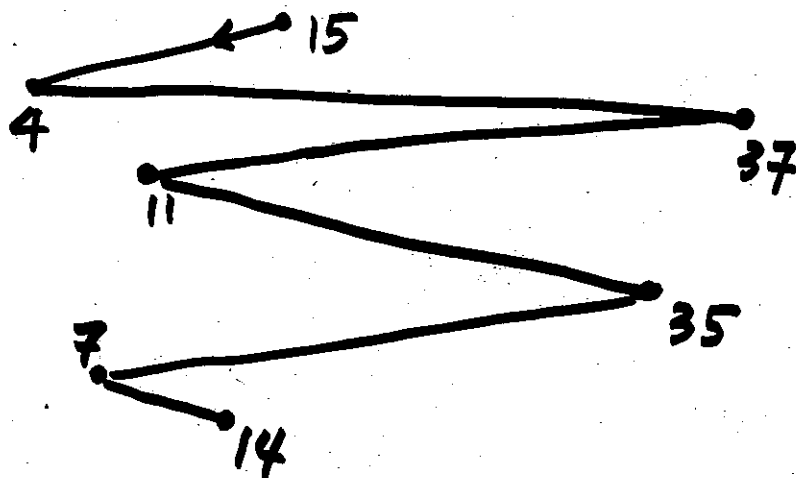
Example.



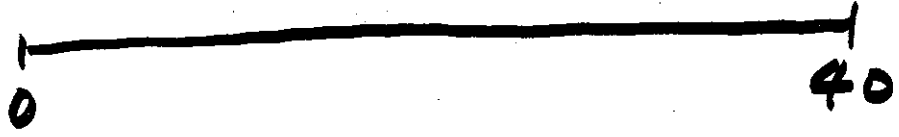
Head is at track 15 initially.

Requests: 4, 37, 11, 35, 7, 14.

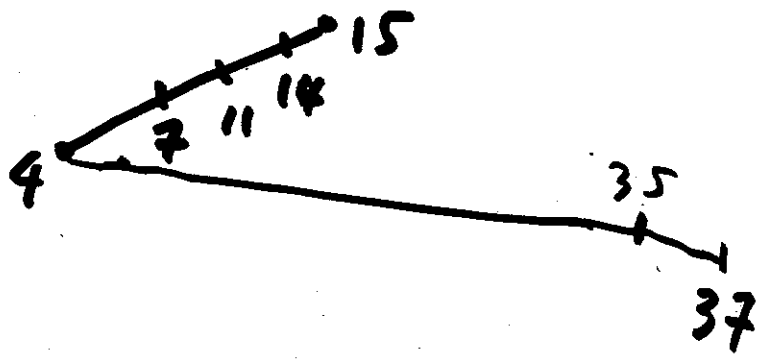
— FCFS



total tracks visited = 129



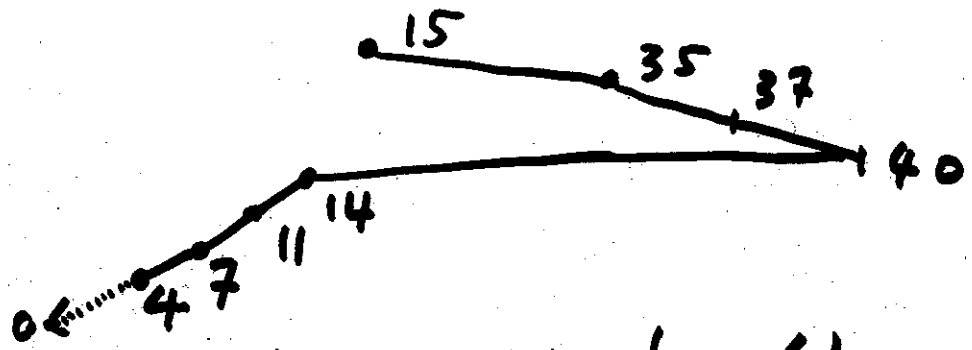
- Shortest Seek Time First (SSTF)



total tracks visited = 44

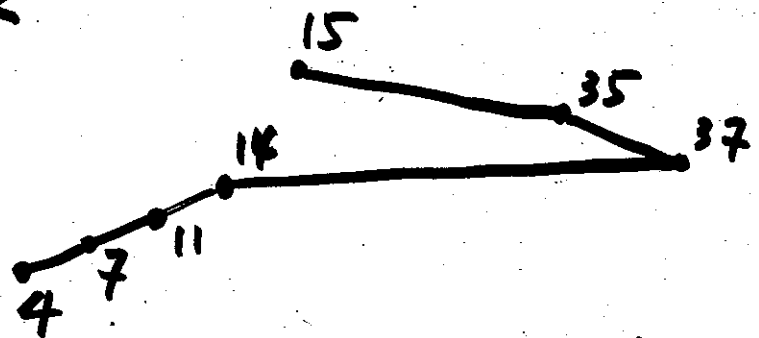
- SCAN

Assume head is moving to the right



total tracks visited = 61

- LOOK



total tracks visited = 55