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CSEN 383 Assignment #5, Group 3
Disk Scheduling Algorithms

Our report for this project represents the results of a disk scheduling simulation for a disk with 5000 cylinders (0-4999). For each algorithm, we provide below the order of cylinders visited and the total distance (in cylinders) the disk arm travels.

Simulation Results

- Initial Head Position: 2255
- Previous Request: 1723

FCFS

- Order:
 - o 2055
 - o 1175
 - o 2304
 - o 2700
 - o 513
 - o 1680
 - o 256
 - o 1401
 - o 4922
 - o 3692
- Total Distance: 13279 cylinders

SSTF

- Order:
 - o 2034
 - o 2055
 - o 1680
 - o 1401
 - o 1175
 - o 513
 - o 256
 - o 2700
 - o 3632
 - o 4922
- Total Distance: 6763 cylinders

SCAN

- Order:
 - o 2304
 - o 2700
 - o 3692
 - o 4922
 - o 2055
 - o 1680
 - o 1401
 - o 1175
 - o 513
 - o 256
- Total Distance: 7487 cylinders

LOOK

- Order:
 - o 2304
 - o 2700
 - o 3692
 - o 4922
 - o 2055
 - o 1680
 - o 1401
 - o 1175
 - o 513
 - o 256
- Total Distance: 7333 cylinders

C-SCAN

- Order:
 - o 2304
 - o 2700
 - o 3692
 - o 4922
 - o 256
 - o 513
 - o 1175
 - o 1401
 - o 1680
 - o 2055
- Total Distance: 9798 cylinders

C-LOOK

- Order:
 - o 2304
 - o 2700
 - o 3692
 - o 4922
 - o 256
 - o 513
 - o 1175
 - o 1401
 - o 1680
 - o 2055
- Total Distance: 9132 cylinders