CSC 139 Operating System Principles

11/20/2019 In-class Group Assignment

1. Work Queue: 23, 89, 132, 42, 187.

There are 200 cylinders numbered from 0 – 199.

The disk head starts at cylinder 100.

For SCAN, C-SCAN, LOOK, and C-LOOK, the disk head moves towards low numbered end first.

1. What is the total distance of seeks if FCFS is used?
2. What is the total distance of seeks if SSTF is used?
3. What is the total distance of seeks if SCAN is used?
4. What is the total distance of seeks if LOOK is used?
5. What is the total distance of seeks if C-SCAN is used?
6. What is the total distance of seeks if C-LOOK is used?