

Question 5

First come first serve

In first come first serve takes the requests as they come in from the queue. It is a slow algorithm. In the worst case it could be seeking the furthest possible distances over and over. Given a list of reads and writes it will almost always perform worse than other algorithms that optimize the seek distances.

Advantages

- All jobs are treated equal meaning no job will be untouched.

Disadvantage

- Slow
- Does not optimize seek time

Shortest seek time first

Calculated the shortest seek time in the queue and runs that job.

Advantages

- Faster than FCFS on average
- Amount of jobs processed is more

Disadvantages

- Overhead of calculating
- Some jobs may never be closest
- Jobs may get vastly different response times.