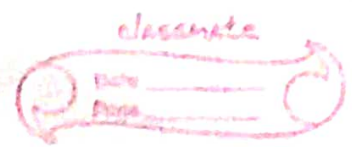


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SE Comps B / 2022300118



OS Exp 10 - disk scheduling

Handwritten report

Learnings and experience: In this experiment, we implemented 3 disk scheduling algorithms, FCFS, SCAN and C-SCAN algorithm. The FCFS algorithm is the simplest algorithm which just services disk access request in order of their arrival in the queue.

This is a simple algorithm but does not attempt to minimize head movement.

The SCAN algorithm scans ~~for~~ ^{all} the disk in a certain direction and then reverses its direction when it reaches the last cylinder.

The C-SCAN is similar to SCAN, except instead of reversing its direction upon reaching the end, it resets the head position to the first cylinder.

In this experiment, we took as input the number of cylinders, ^{initial position} and the ~~q~~ request ~~square~~ and output the order in which the requests ^{would} be serviced and the total head movement.