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Command Line Interpreter

Summary:

This python program tries to compare the output after applying **one of** the following disk scheduling algorithms **FCFS, SSTF, SCAN, C-SCAN, C-Look** and the **newly optimized algorithm** by implementing their algorithms and applying it on a disk queue with requests for I/O blocks on cylinders.
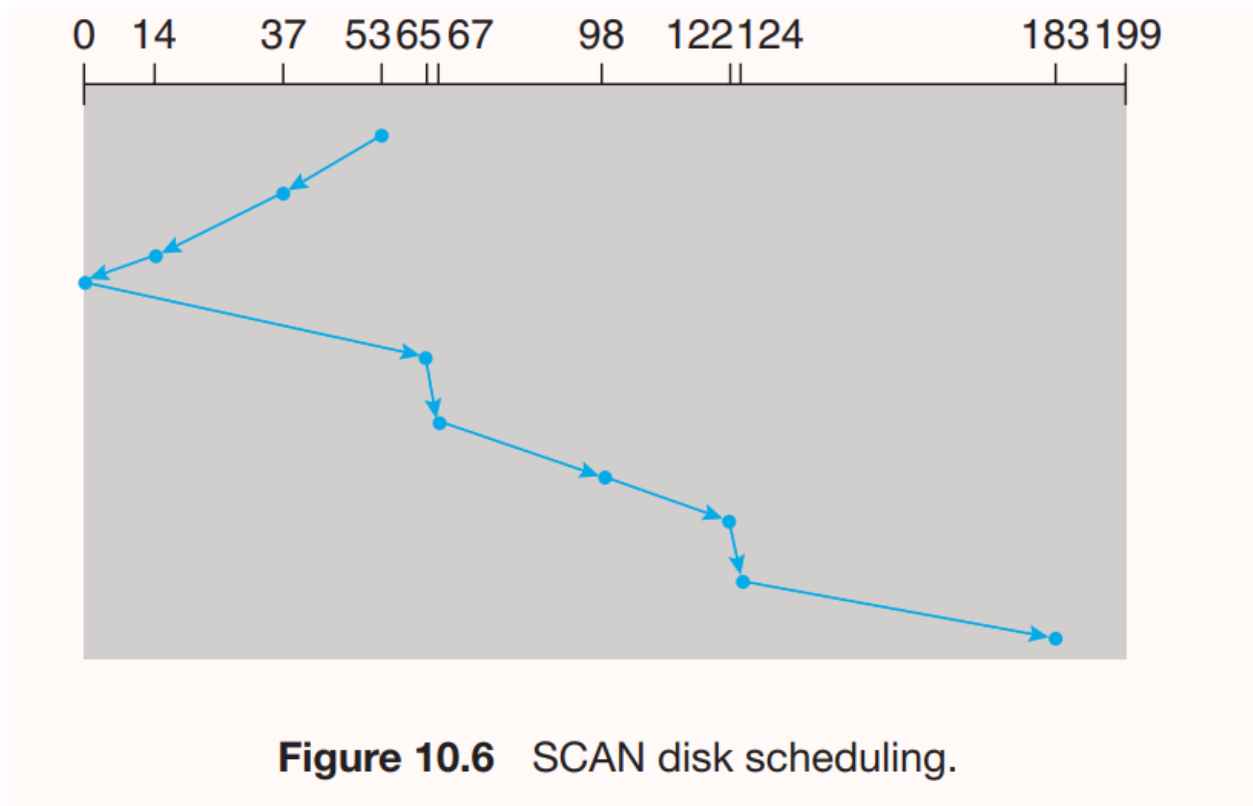
Input:

(Cylinder I/O requests): 98, 183, 37, 122, 14, 124, 65, 67
Initial head start cylinder: 53

Output:

It **shows the sequence** of head movement to access the requested cylinders based on the implemented algorithms.
Also shows the **total head movement** per algorithm

Figure 10.6 SCAN disk scheduling.

The newly optimized algorithm procedure and flowchart are found in page 10 in the following paper https://research.ijcaonline.org/volume93/number18/pxc3896046.pdf