(a) FIFO (starting at track 100)		(b) SSTF (starting at track 100)		(c) SCAN (starting at track 100, in the direction of increasing track number)		(d) C-SCAN (starting at track 100, in the direction of increasing track number)	
Next track accessed	Number of tracks traversed	Next track accessed	Number of tracks traversed	Next track accessed	Number of tracks traversed	Next track accessed	Number of tracks traversed
55 58 39 18 90 160 150 38 184	$ \begin{array}{r} 45 \\ 3 \\ 19 \\ 21 \\ 72 \\ 70 \\ 10 \\ 112 \\ 146 \end{array} $	90 58 55 39 38 18 150 160 184	$ \begin{array}{c} 10 \\ 32 \\ 3 \\ 16 \\ 1 \\ 20 \\ 132 \\ 10 \\ 24 \end{array} $	150     160     184     90     58     55     39     38     18	50 10 24 94 32 3 16 1 20	150 160 184 18 38 39 55 58 90	50 10 24 166 20 1 16 3 32
Average seek length	55.3	Average seek length	27.5	Average seek length	27.8	Average seek length	35.8

## Table 11.2 Comparison of Disk Scheduling Algorithms

## Table 11.4RAID Levels

Category	Level	Description	I/O Request Rate (Read/Write)	Data Transfer Rate (Read/Write)	Typical Application
Striping	0	Nonredundant	Large strips: Excellent	Small strips: Excellent	Applications requiring high performance for noncritical data
Mirroring	1	Mirrored	Good/Fair	Fair/Fair	System drives; critical files
Parallel access	2	Redundant via Hamming code	Poor	Excellent	
	3	Bit-interleaved parity	Poor	Excellent	Large I/O request size applications, such as imaging, CAD
Independent access	4	Block-interleaved parity	Excellent/Fair	Fair/Poor	
	5	Block-interleaved distributed parity	Excellent/Fair	Fair/Poor	High request rate, read-intensive, data lookup
	6	Block-interleaved dual distributed parity	Excellent/Poor	Fair/Poor	Applications requiring extremely high availablity