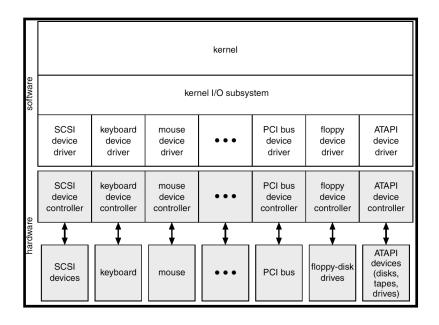
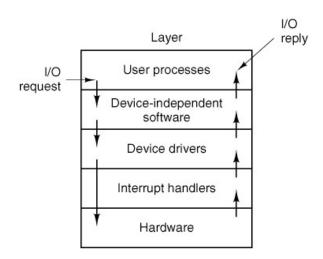
Device Drivers



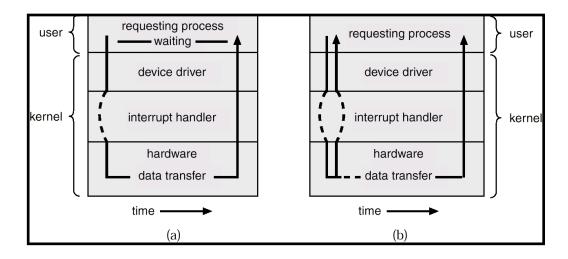
Bowdoin Sean Barker 1

I/O System Layers



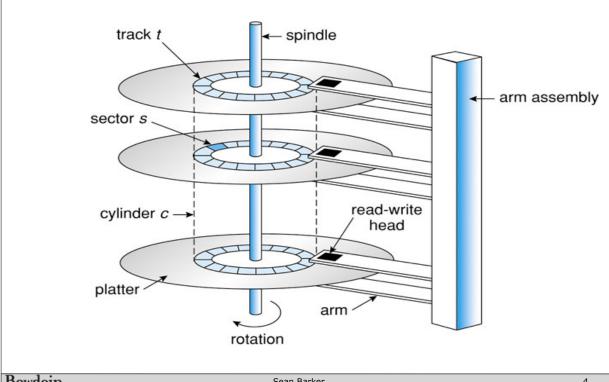
Bowdoin Sean Barker 2

Synchronous & Asynchronous I/O



Bowdoin Sean Barker 3

Magnetic Disk Structure

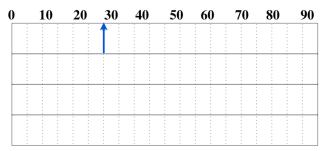


Bowdoin Sean Barker

First-Come-First-Serve (FCFS)

Example requests (start at 30): 65, 40, 18, 78



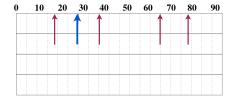


Bowdoin Sean Barker 5

Shortest Seek Time First (SSTF)

Example requests (start at 30): 65, 40, 18, 78

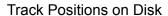
Track Positions on Disk

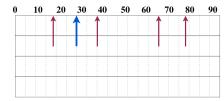


Bowdoin Sean Barker 6

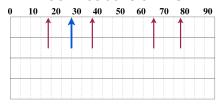
SCAN / Elevator Scheduling

Example requests (start at 30): 65, 40, 18, 78





Track Positions on Disk

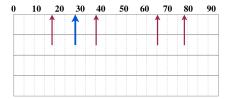


Bowdoin Sean Barker 7

Circular SCAN (C-SCAN)

Example requests (start at 30): 65, 40, 18, 78

Track Positions on Disk



Bowdoin Sean Barker 8