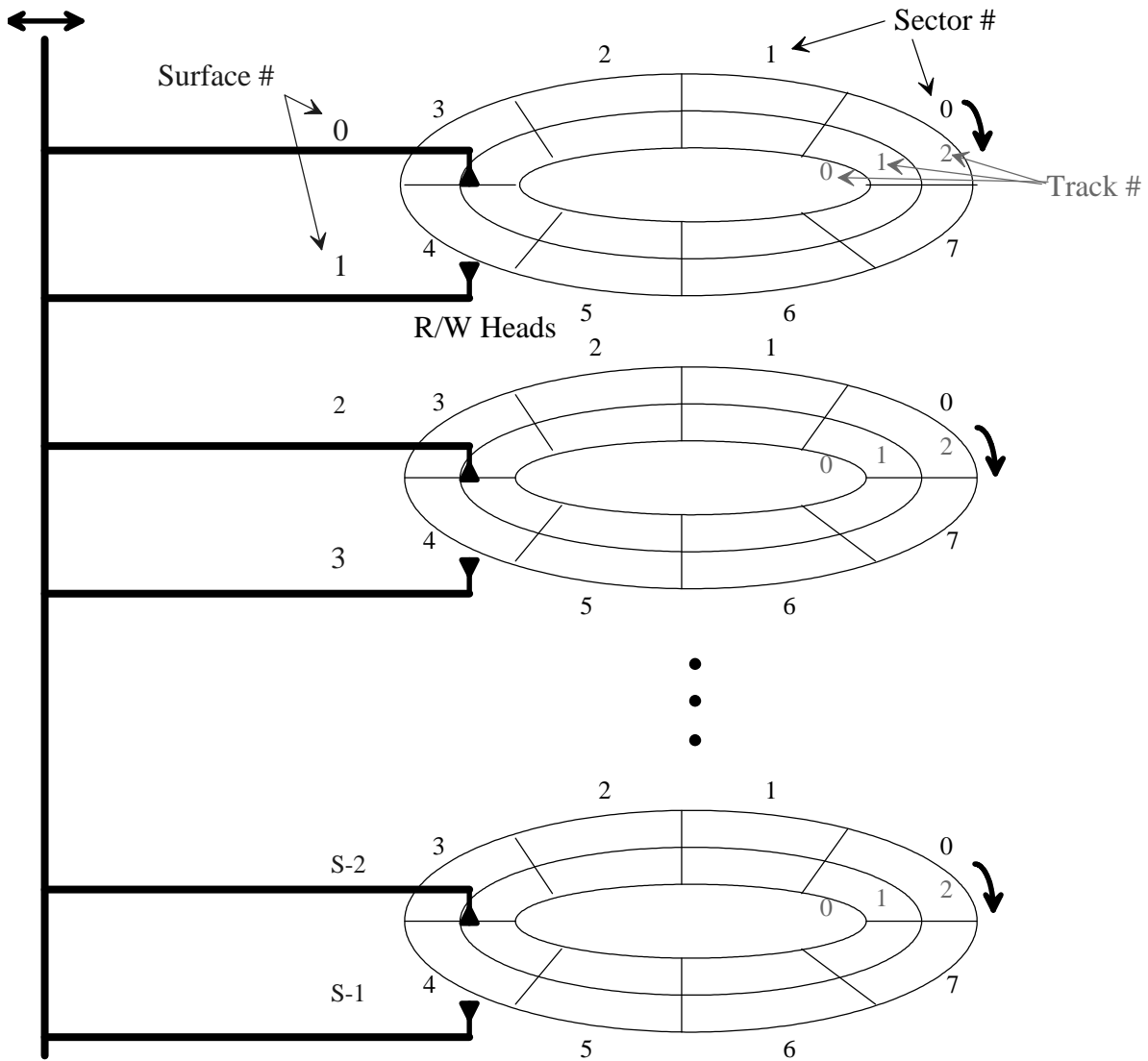


Magnetic/Hard Disk

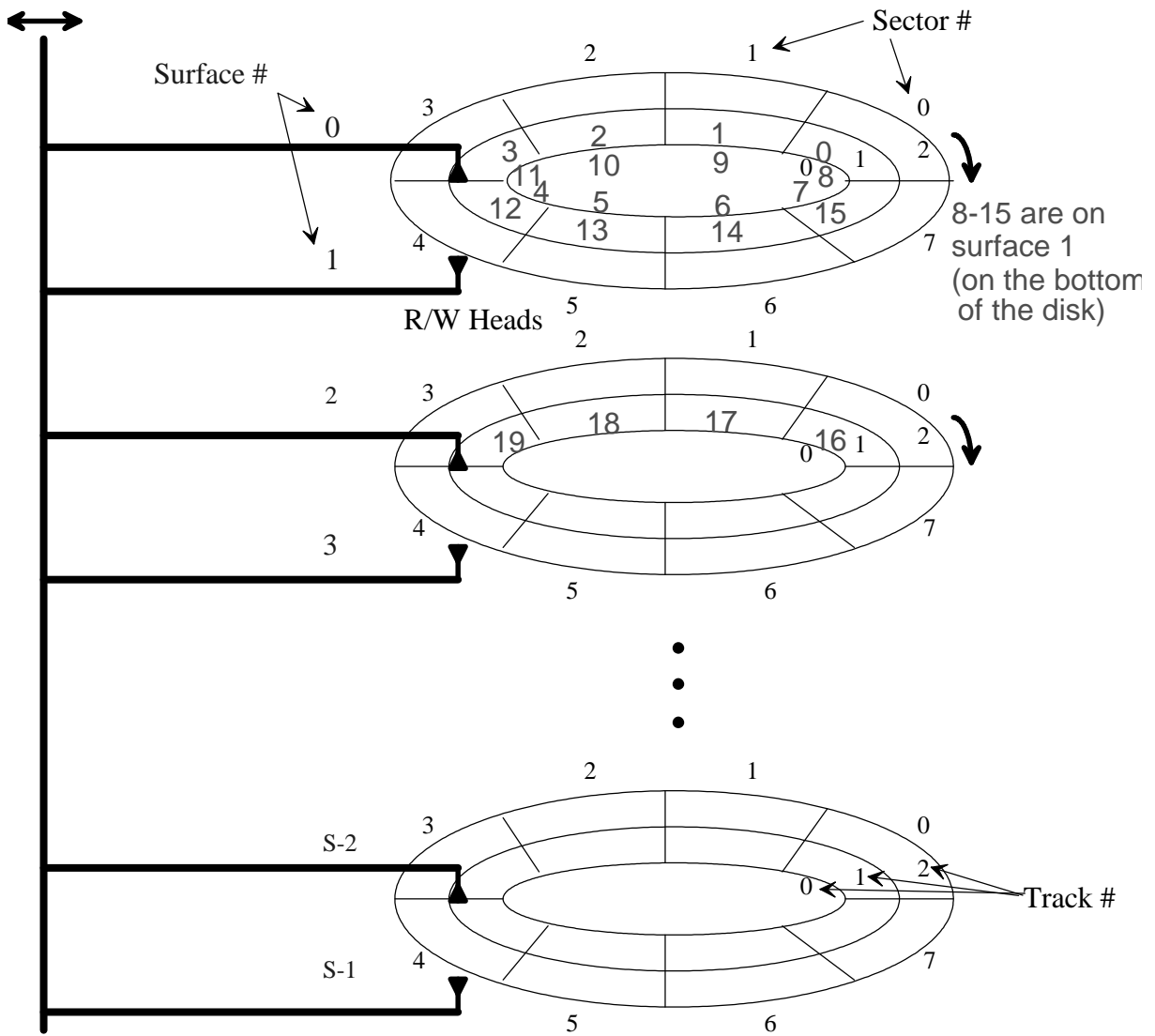
(Track #, Surface #, Sector #) "Physical" View of Disk



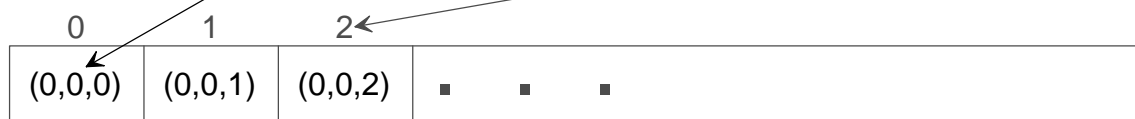
Steps to perform a disk read (or write):

- 1) Move Read/Write (R/W) heads over correct track/cylinder ← seek time
- 2) Wait for start of specified sector to spin to R/W head ← rotational delay
- 3) Read (or write) specified sector as it spins under the R/W head ← data transfer time

Logical View of Disk as Linear Collection of Blocks



(track #, surface #, sector #) to Linear block # mapping



← All of cylinder 0 → × ← All of cylinder 1 →

Bits of linear block #:

track #	surface #	sector #
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