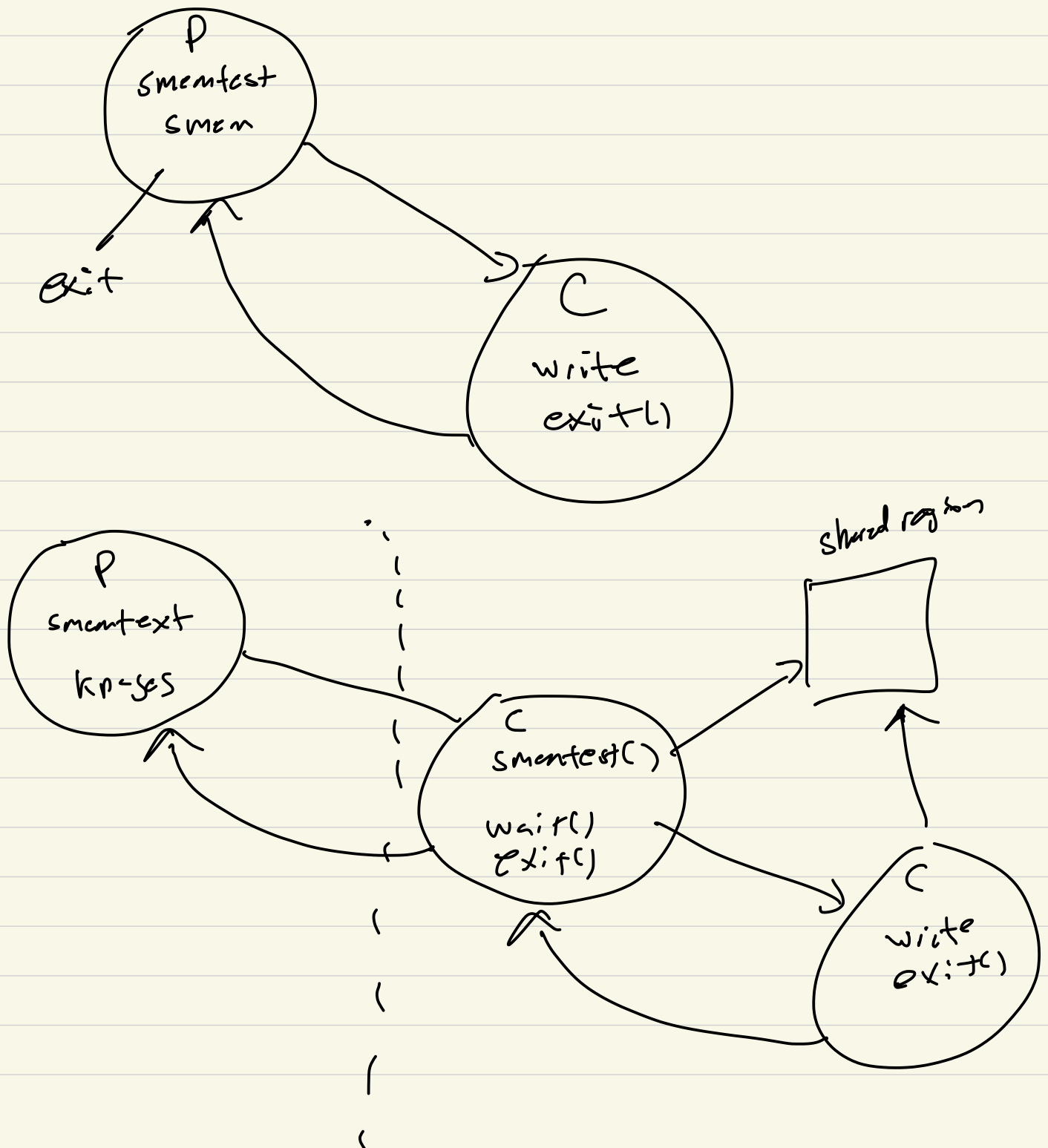


CS 326-01 File Systems

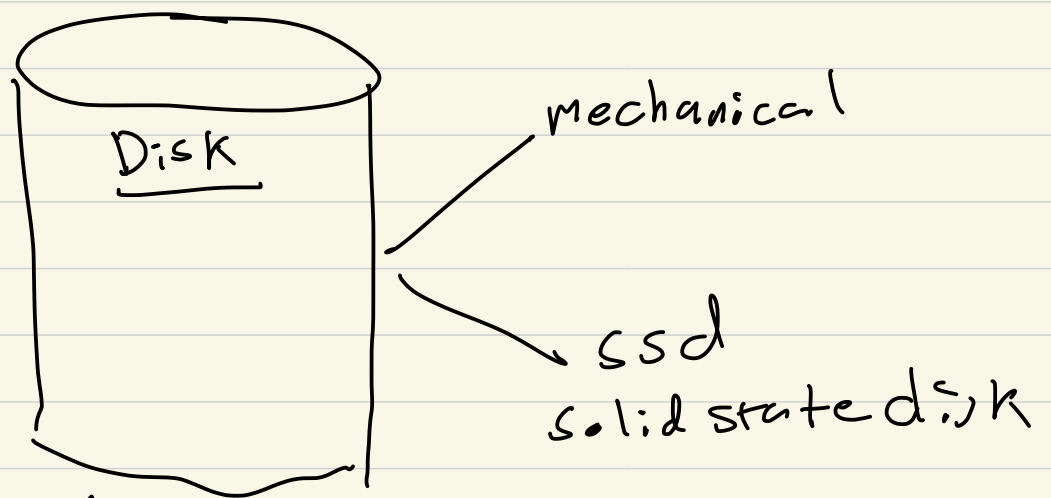
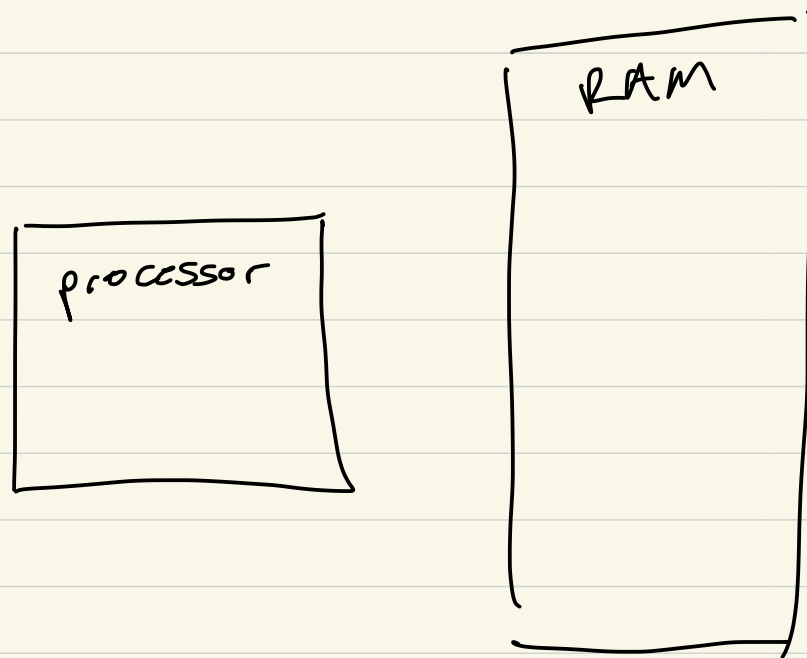
Project 04 Q1A

smemtest

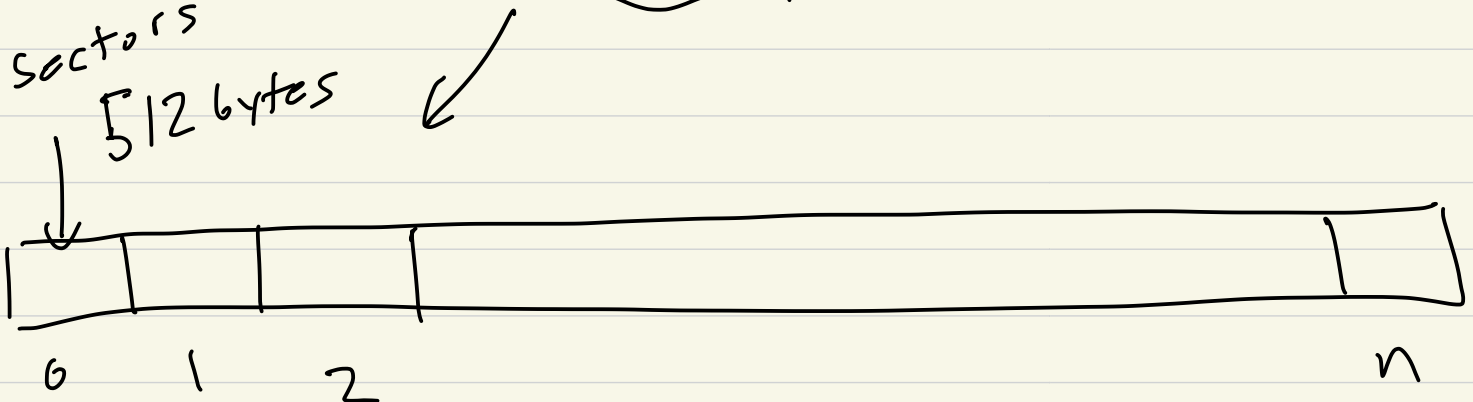


File Systems

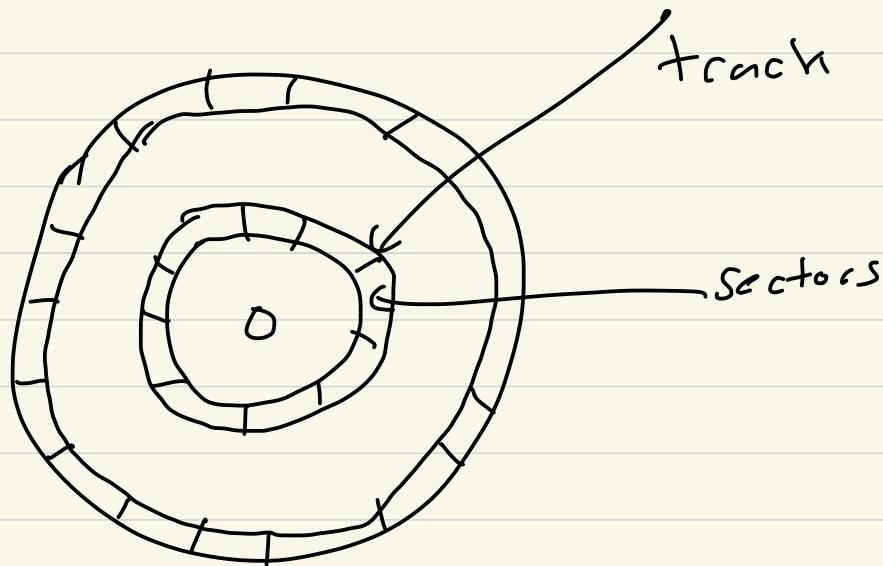
Disks



sectors
512 bytes

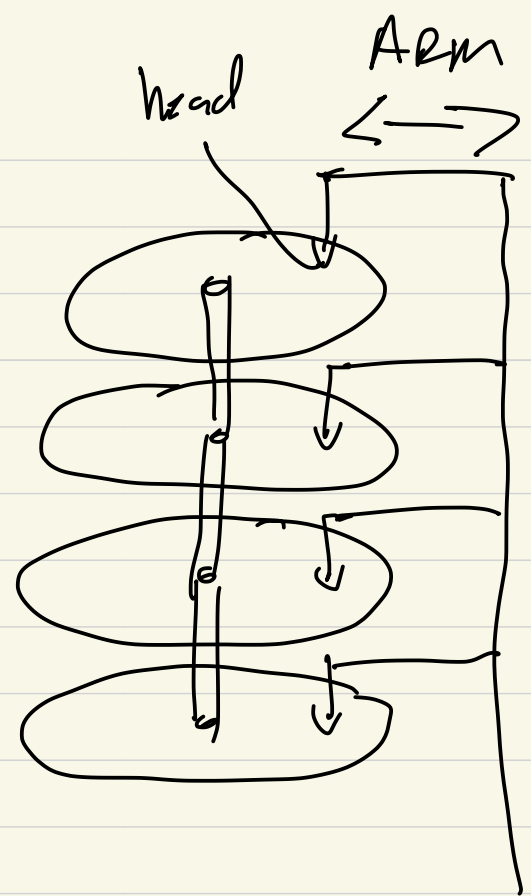


Mechanical disks



5400 RPM

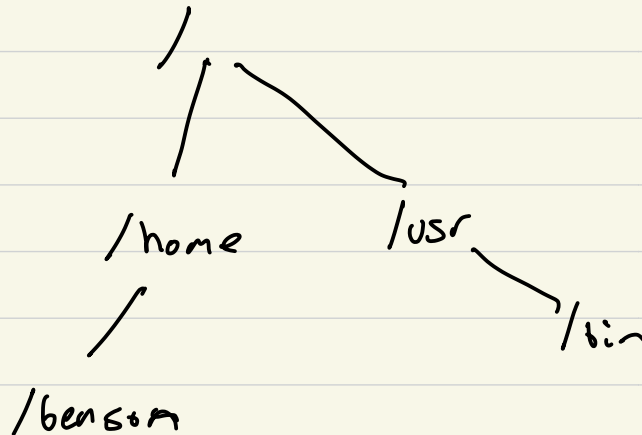
7200 RPM



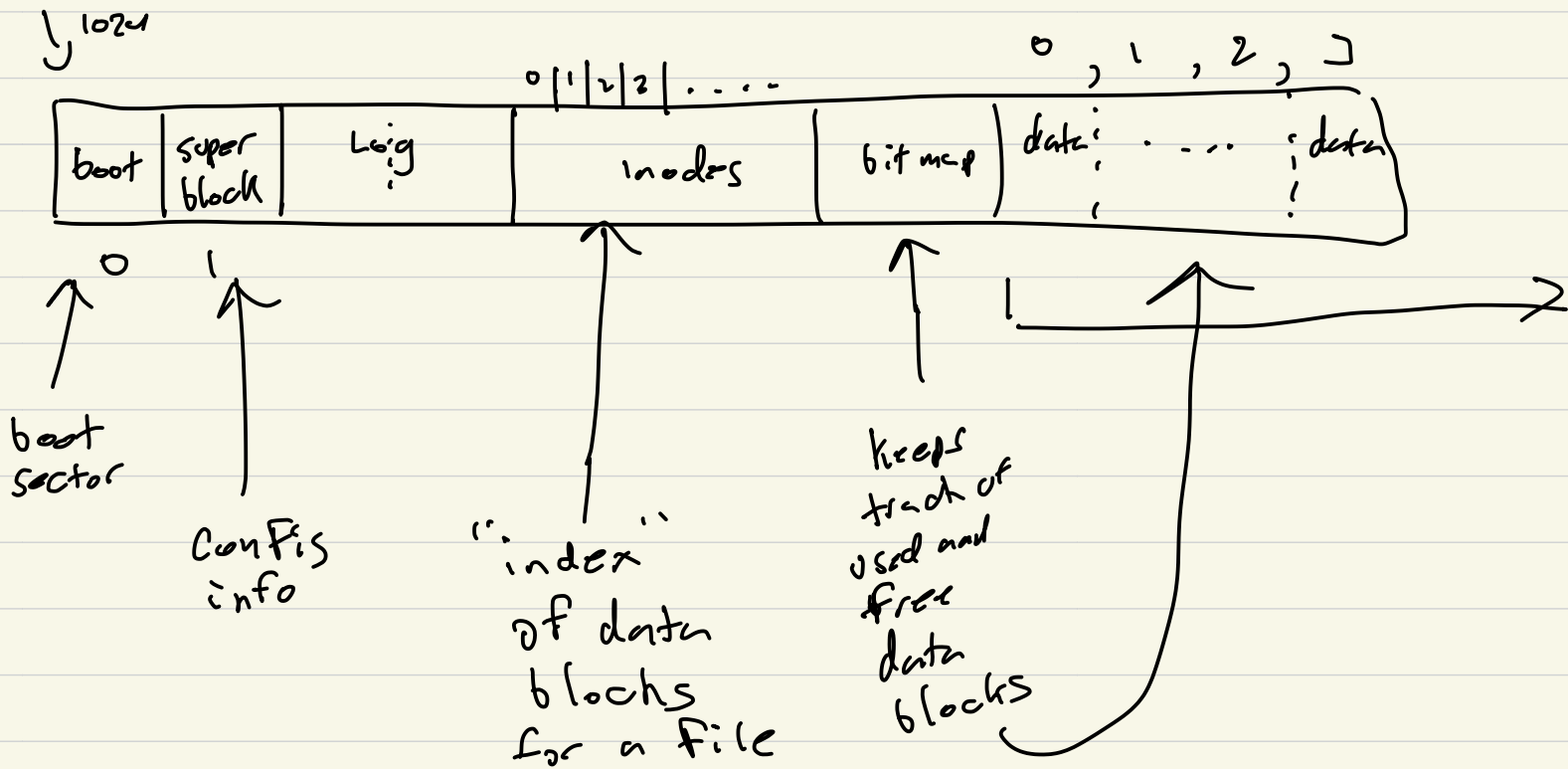
File System

How to organize data on a disk?

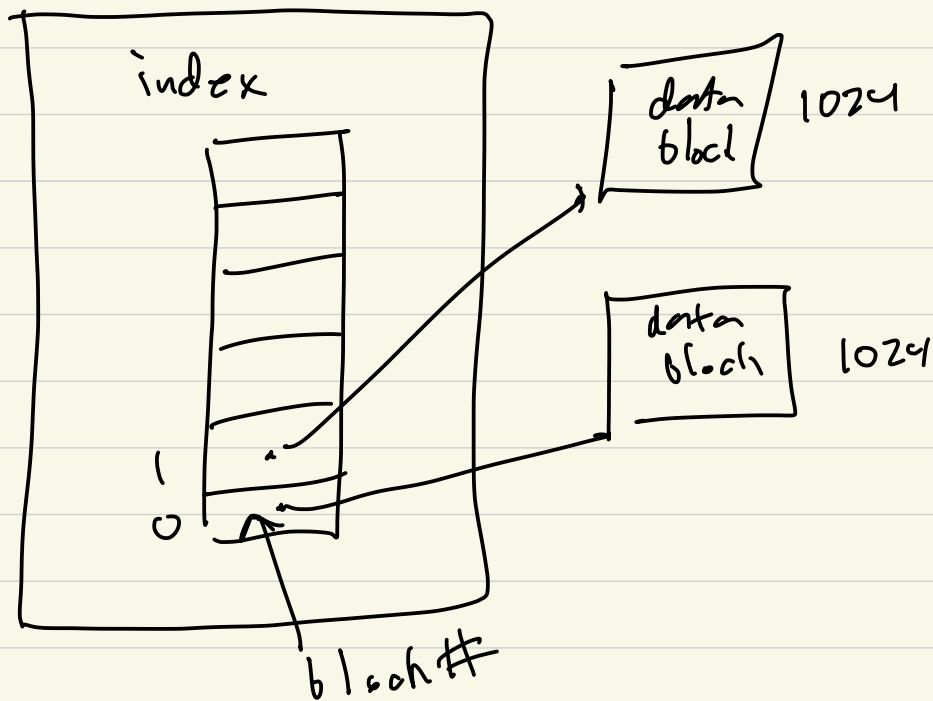
Navigation / Tree structure

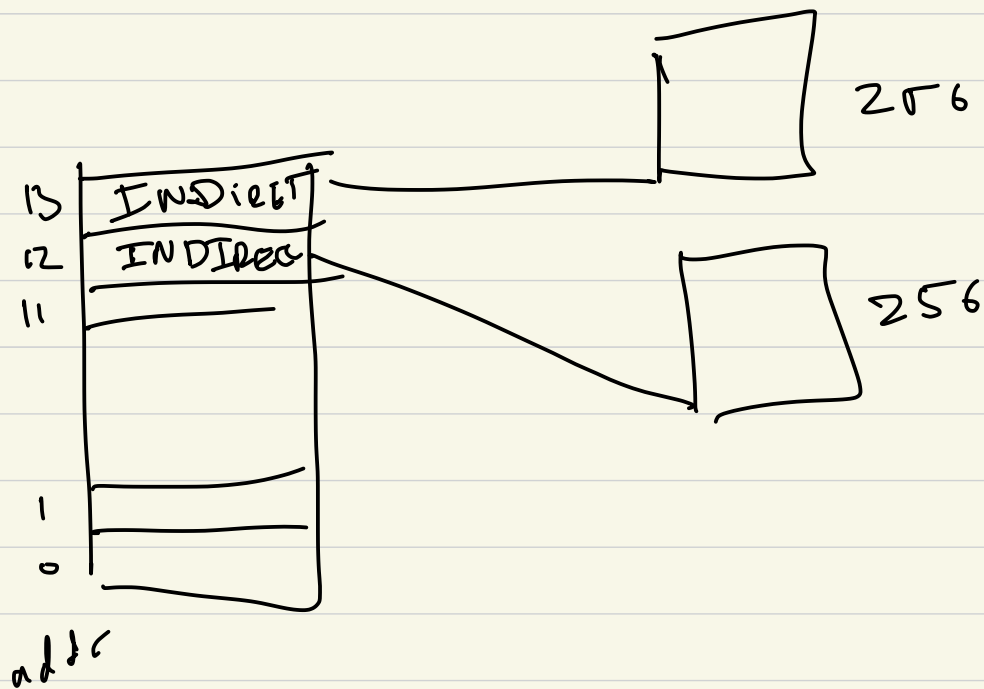
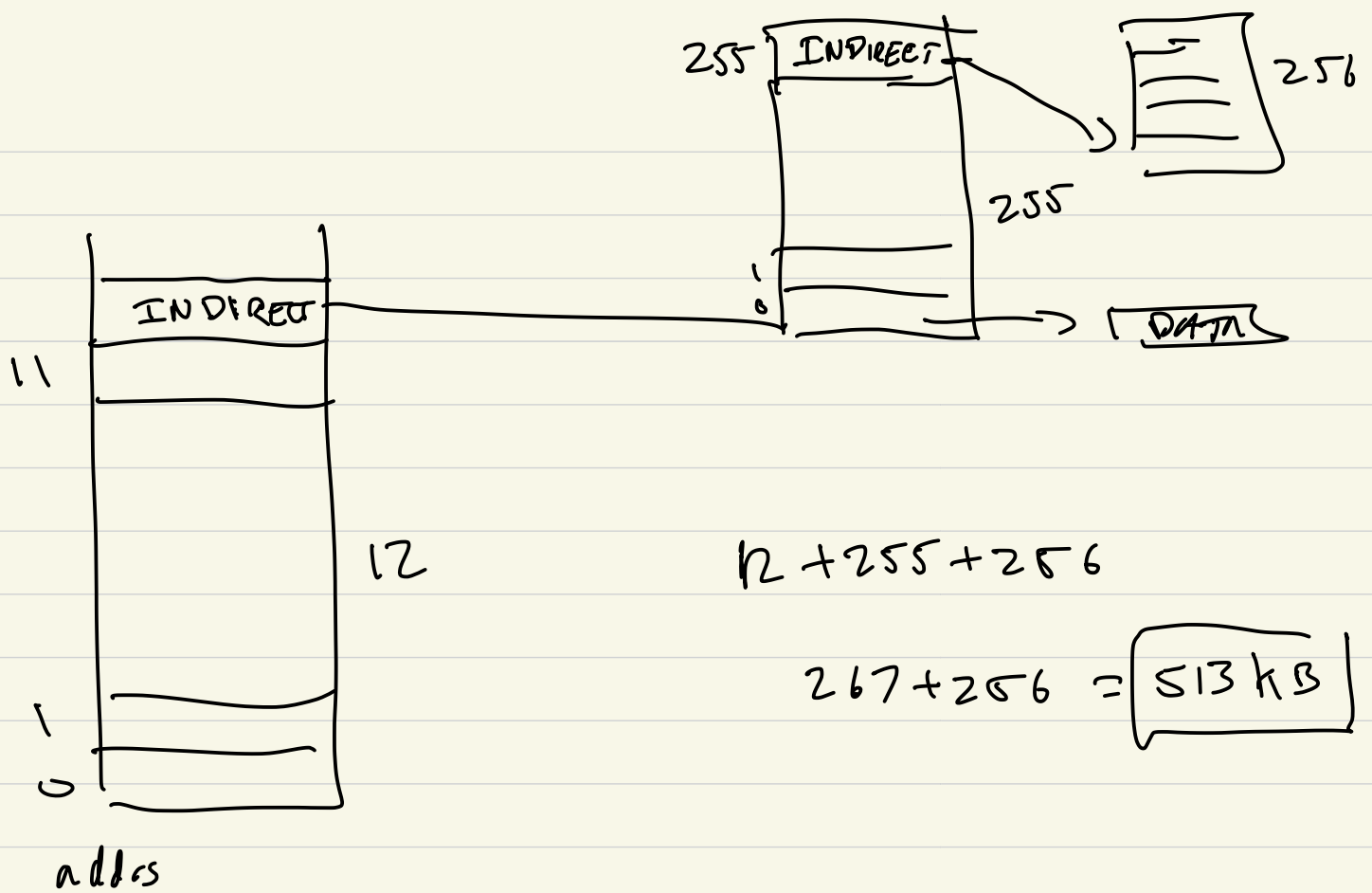


blocks Files are sequences of bytes



inode





Directories

A directory is just a file

| nlinks | inum | name | |
|--------|------|------|--------------------|
| | 10 | . | inum of this dir |
| | 3 | .. | inum of parent dir |
| | 21 | foo | |
| | 21 | goo | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |