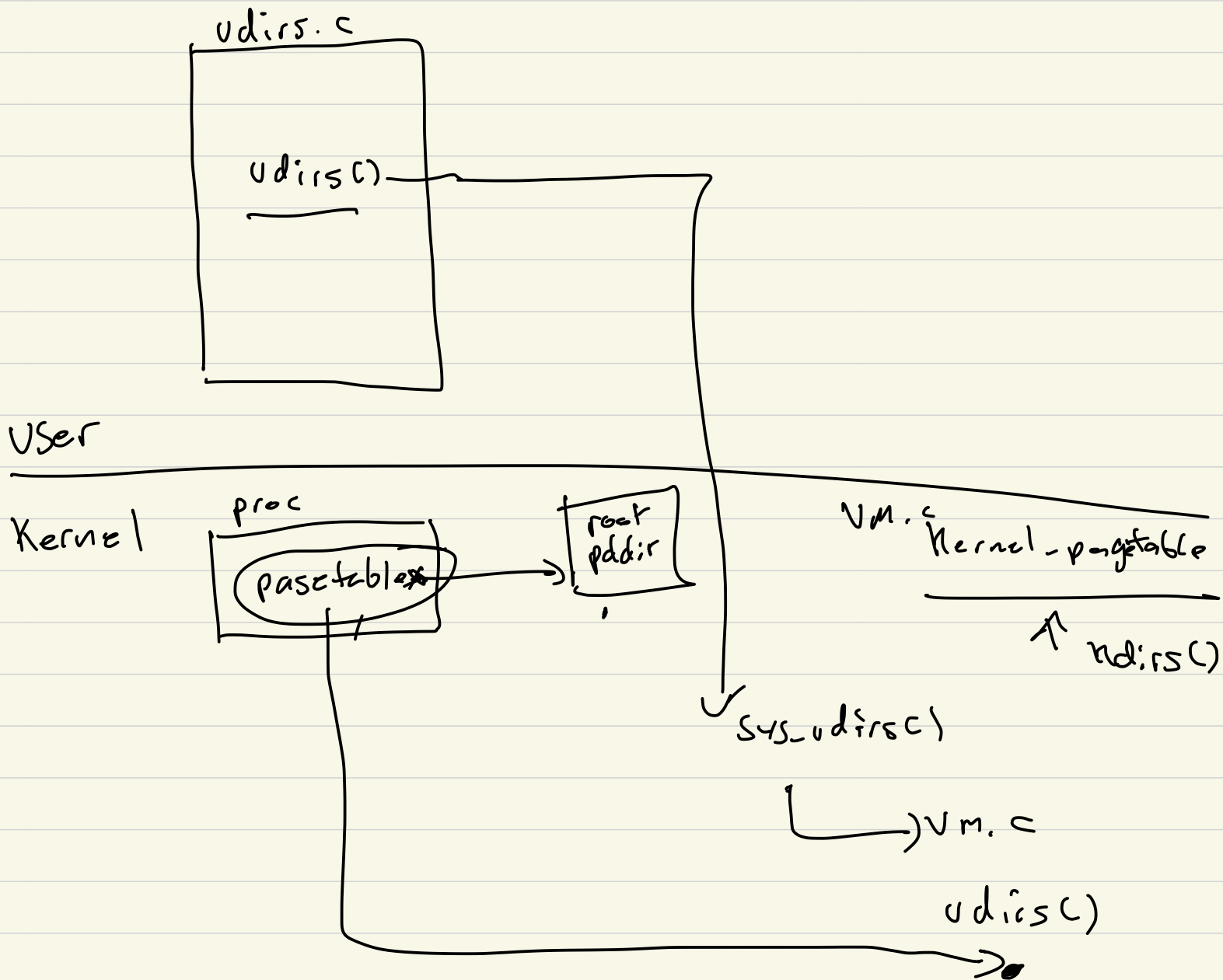
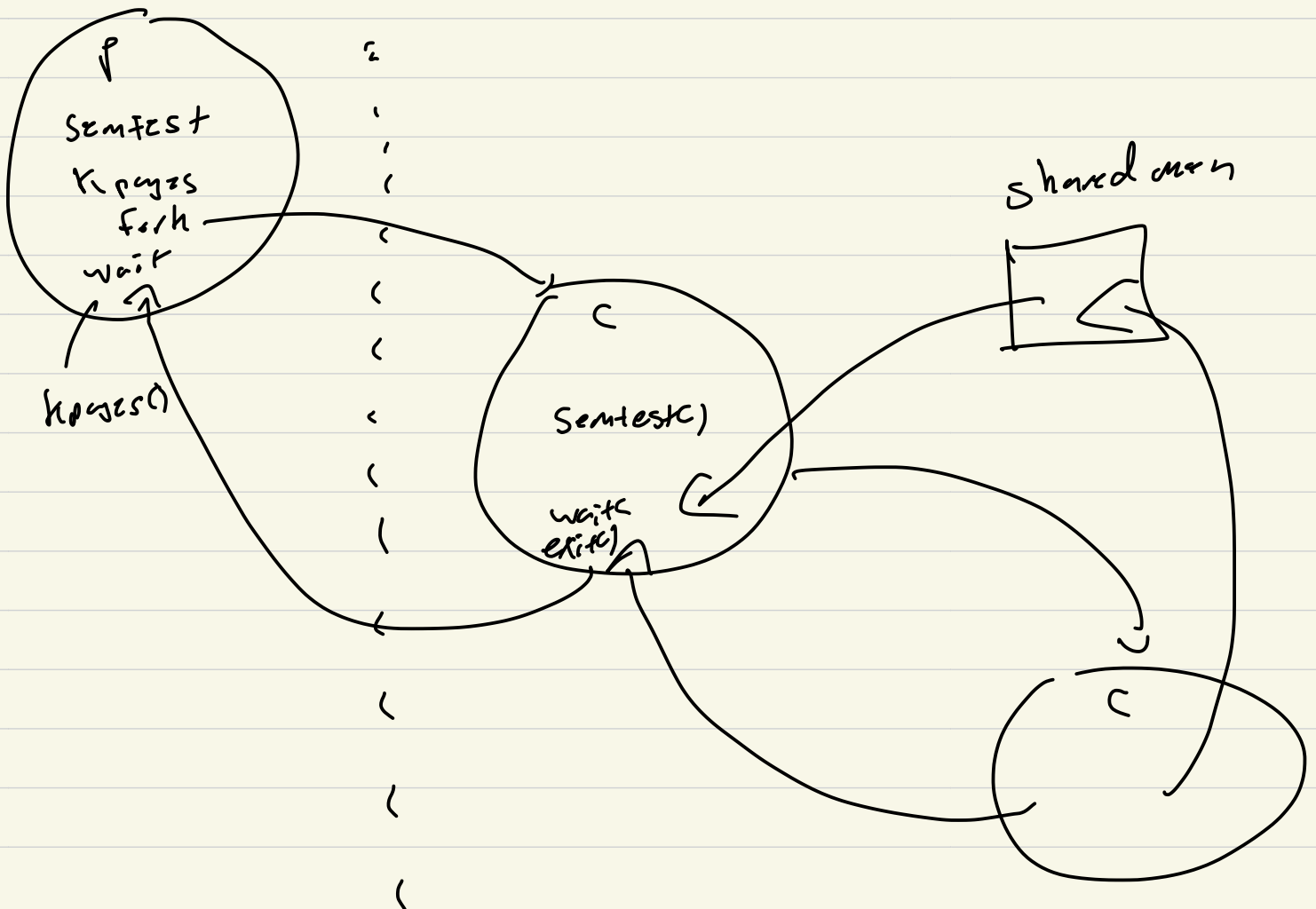
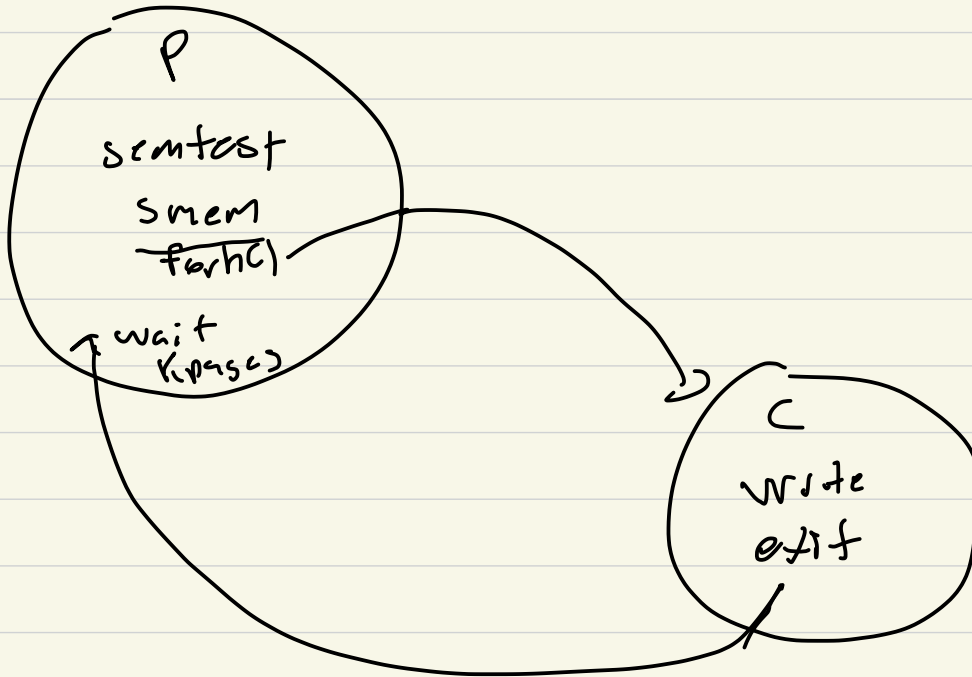


CS 326-02 File Systems

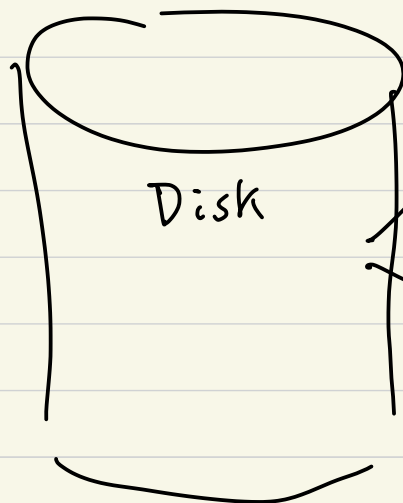
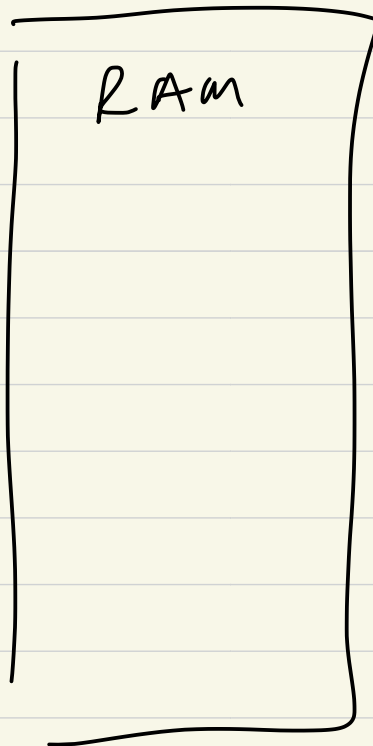
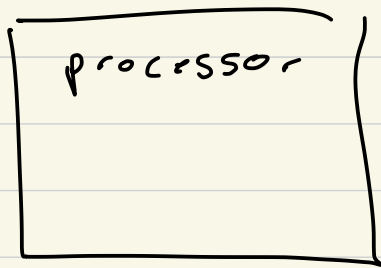
Project 04 Q & A



5memtest



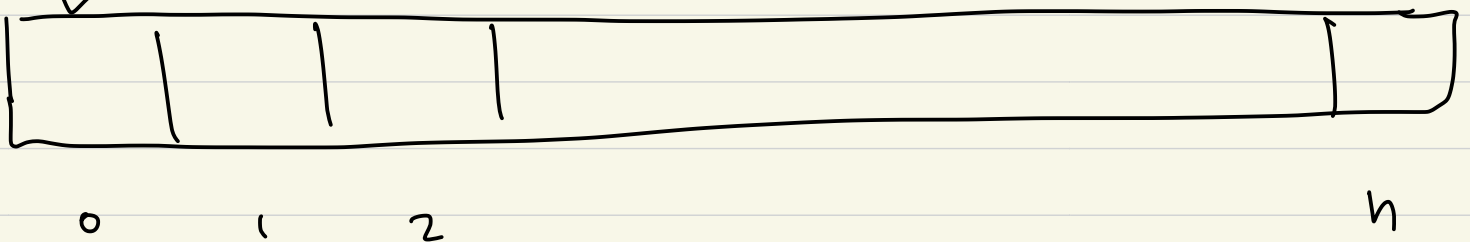
File Systems



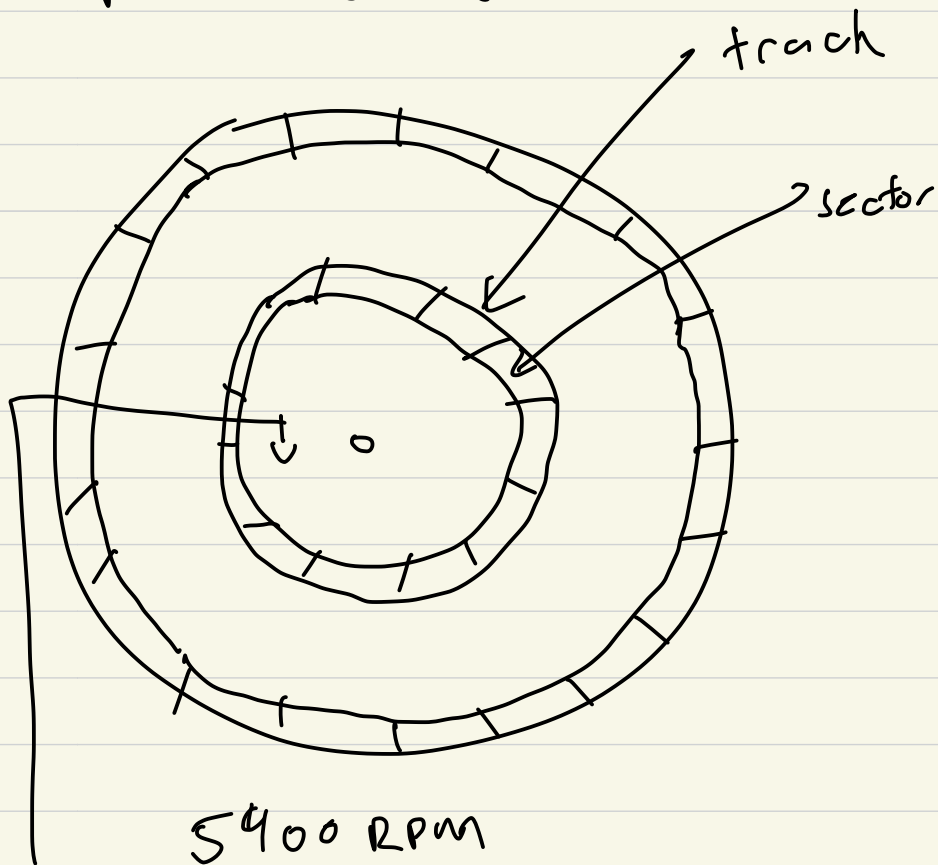
mechanical

ssd
solid state disks

sectors
512
bytes

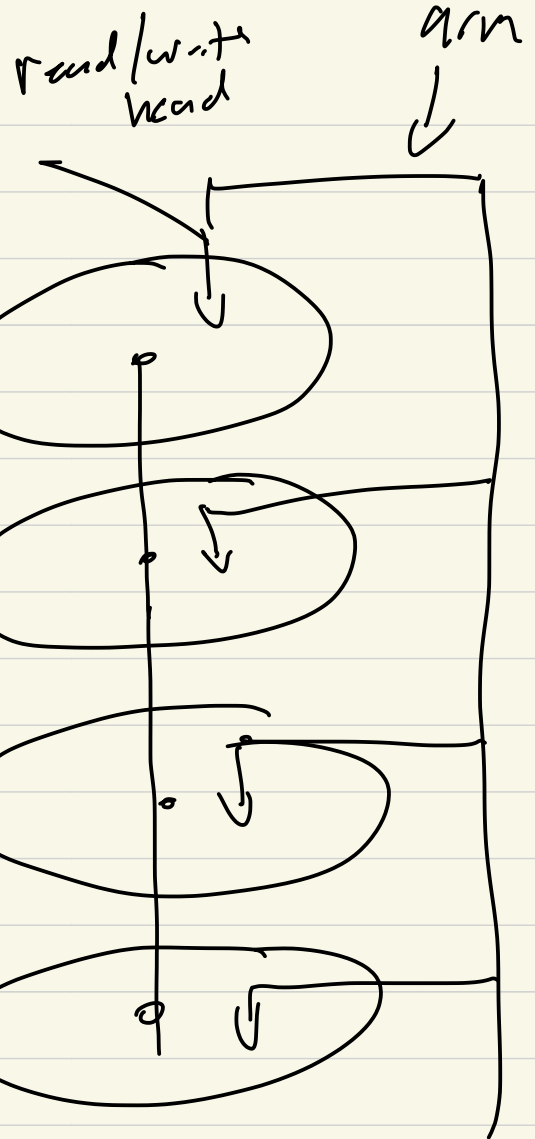


Mechanical disk



5400 RPM

7200 RPM

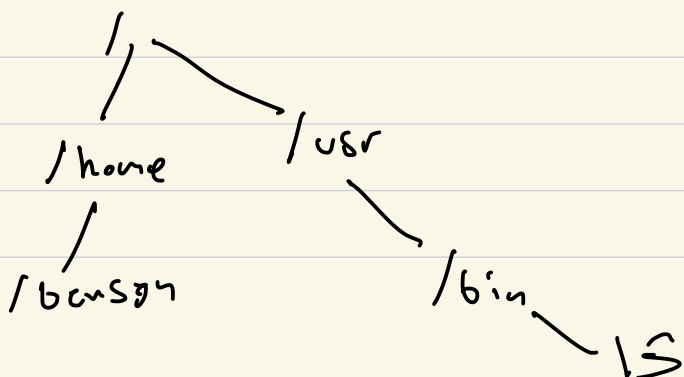


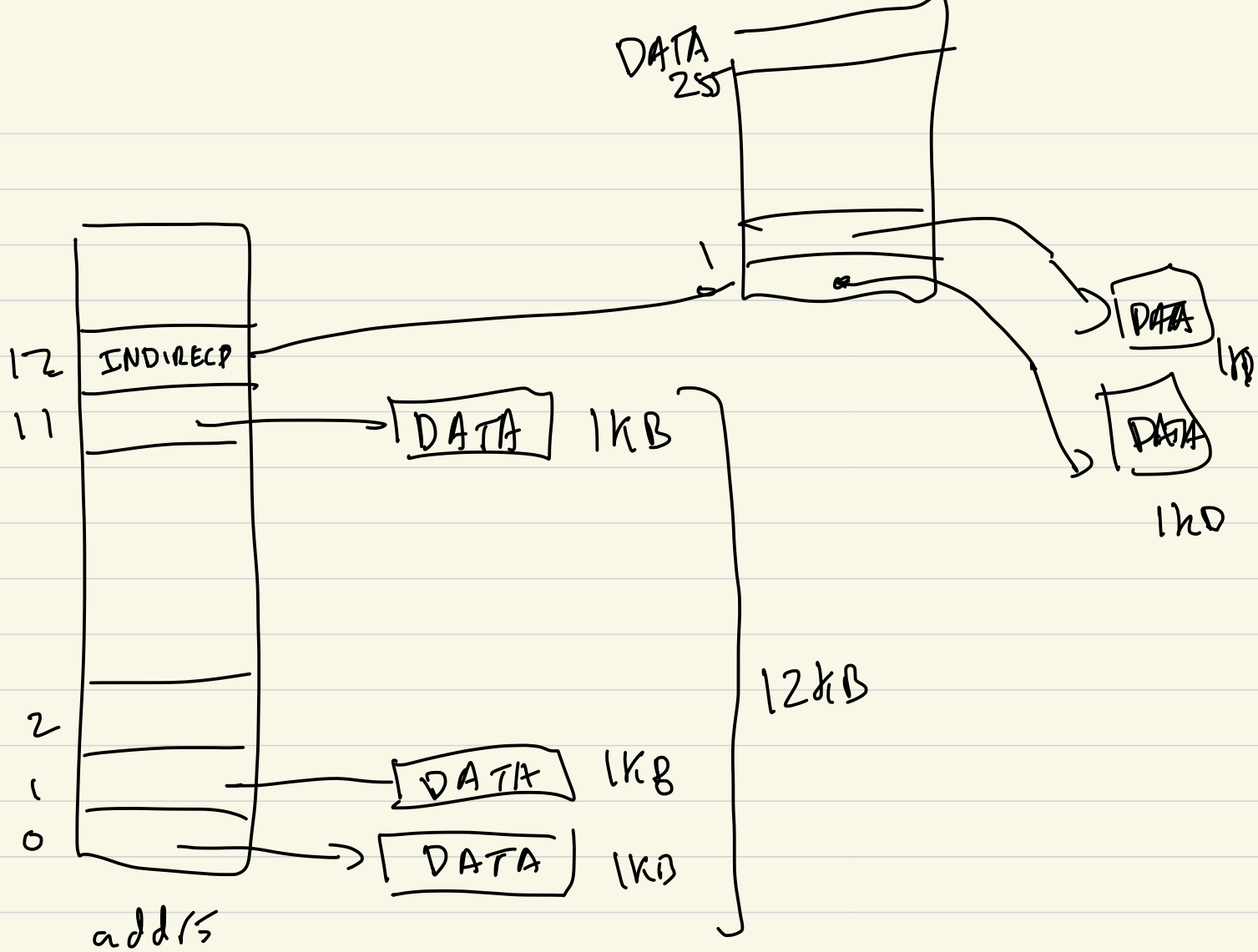
File System

How do we organize data on the disk?

Store Files / Read File
Tree Structure (directories)

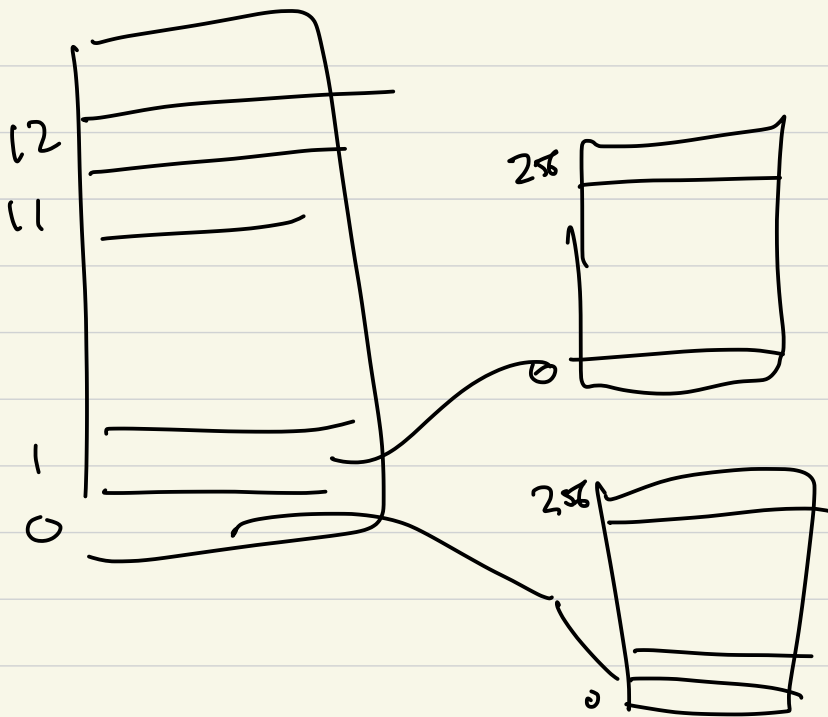
Reliable



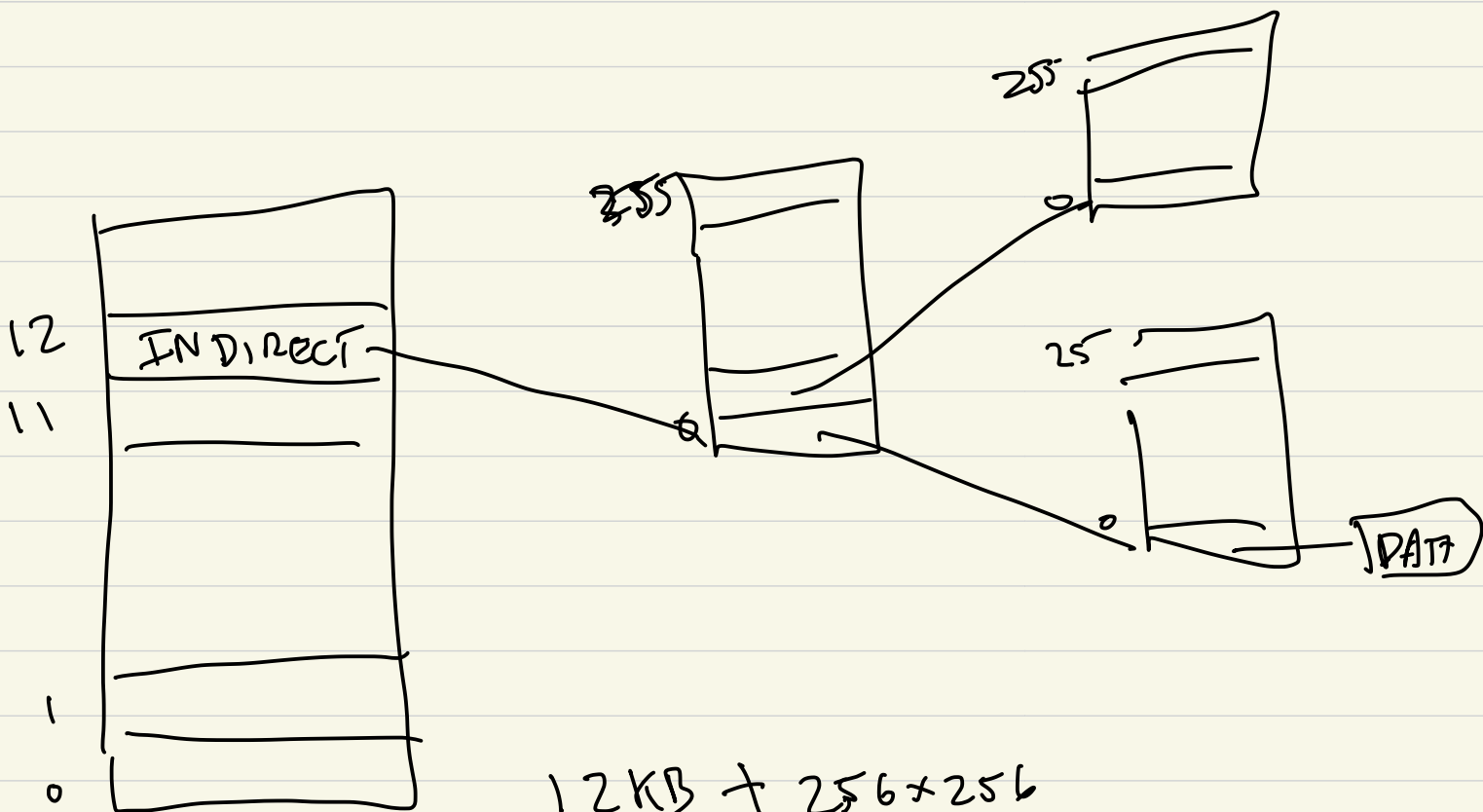


$$12 \text{ KB} + 256 \text{ KB} = 268 \text{ KB}$$

$$2^{10} / 2^2 = 2^8 = 256$$



$$13 \times 256 \text{ KB} = 3328 \text{ KB}$$

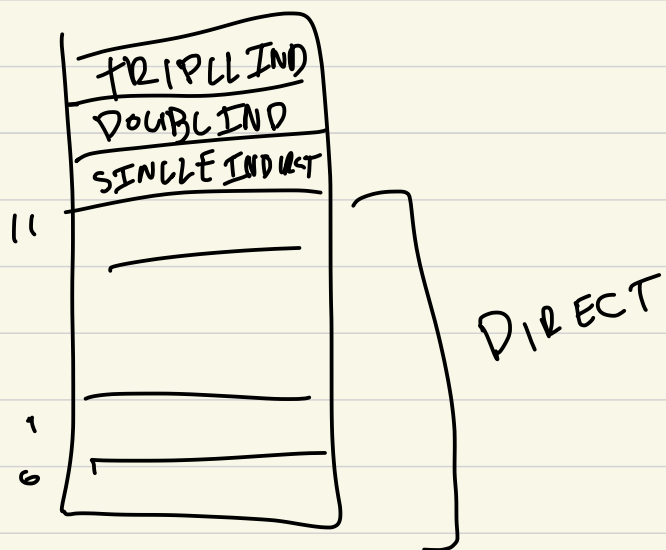


$$12 \text{ KB} + 256 \times 256$$

$$12 + 65536 = 65548 \text{ KB}$$

$$\sim 64 \text{ MB}$$

UNIX



Directories - just files

