

# CS 326 - 02 Containers

## File Systems

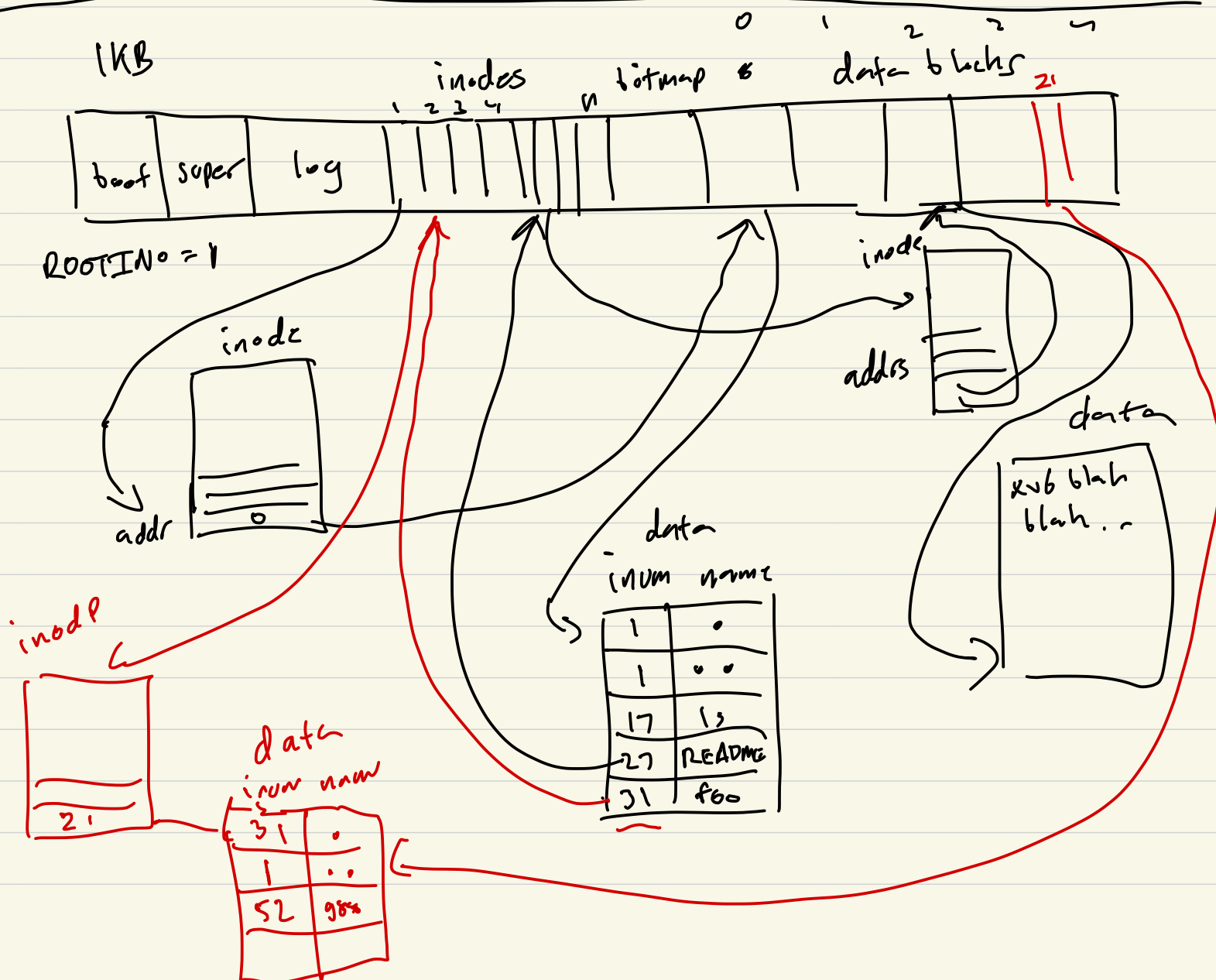
Disk layout : inodes, data blocks, dirs

Buffer Cache

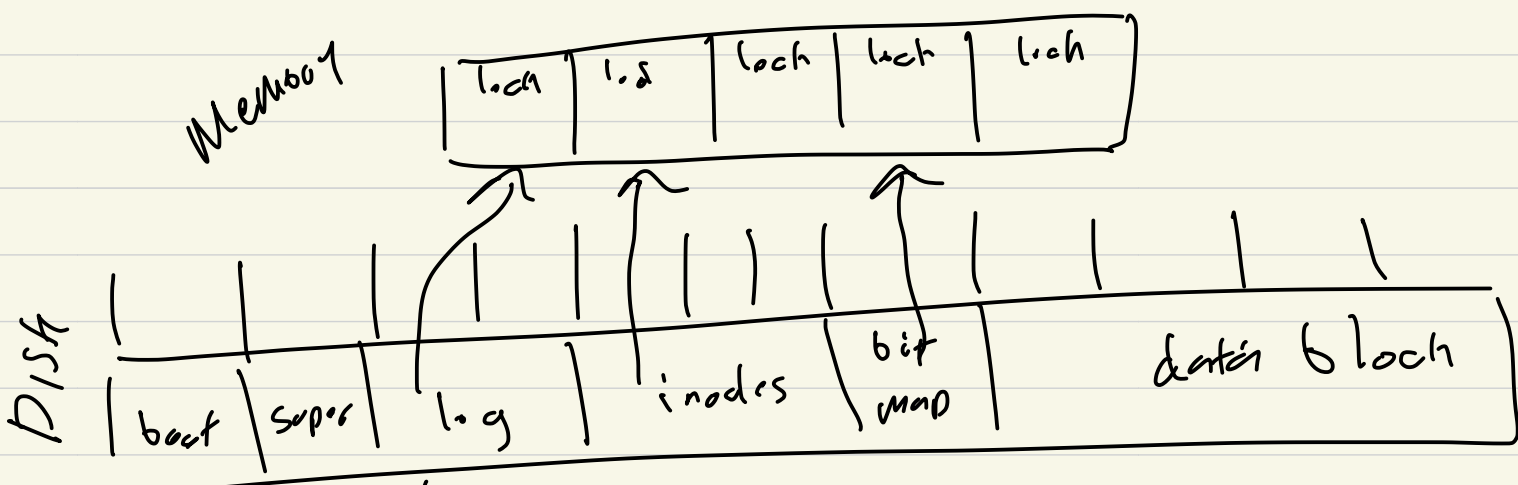
Logging

exec()

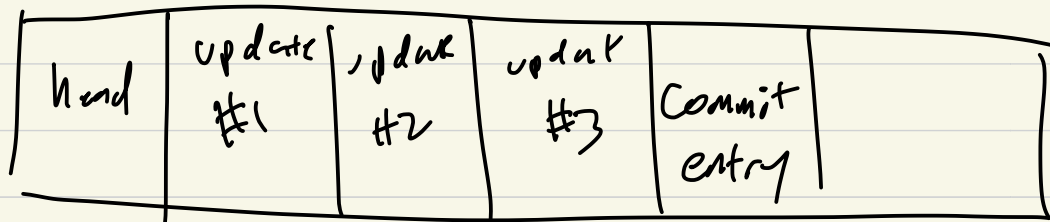
## Containers



Buffer Cache → efficiency and synchronization



Log → Transaction

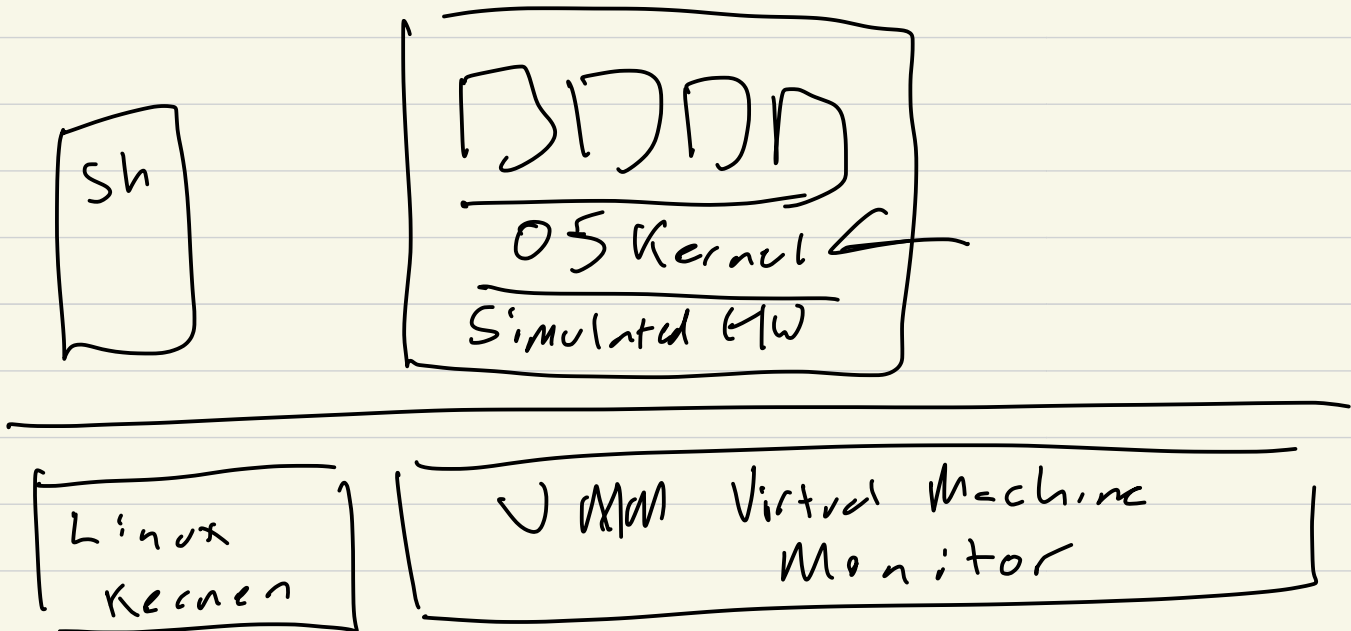


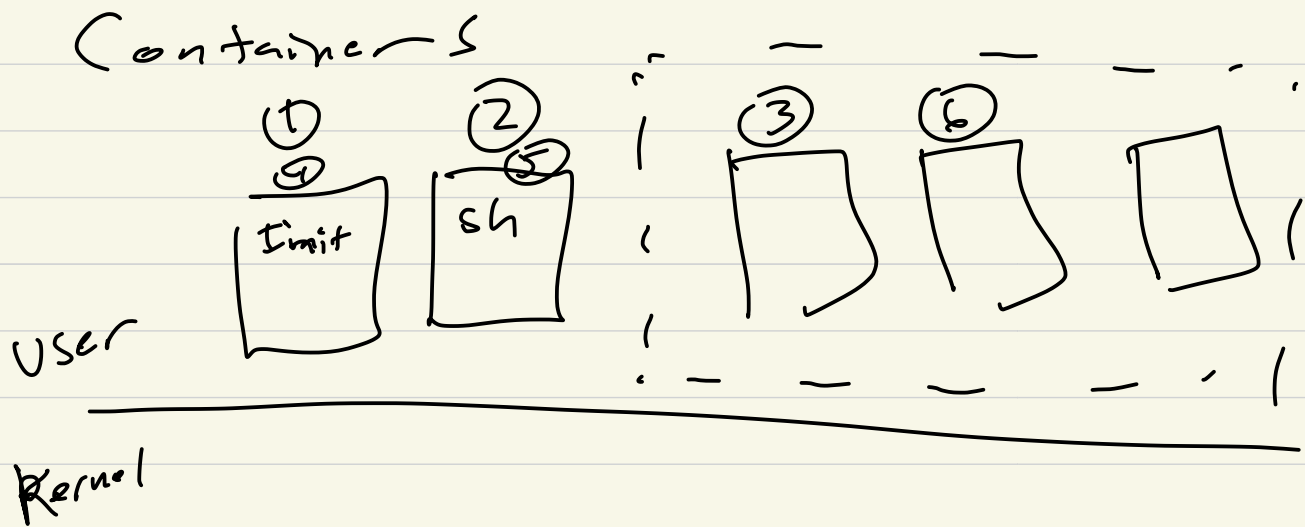
After commit  
FS writes the  
log

# Containers



# Virtual machines





Container attributes

- 1) Isolated namespace
- 2) Total maximum memory
- 3) Total maximum disk blocks
- 4) Schedule the container processes as a group

Containers in xub

struct proc ?

→

struct cont ?

struct run\_list → [ ] → [ ] → [ ]

