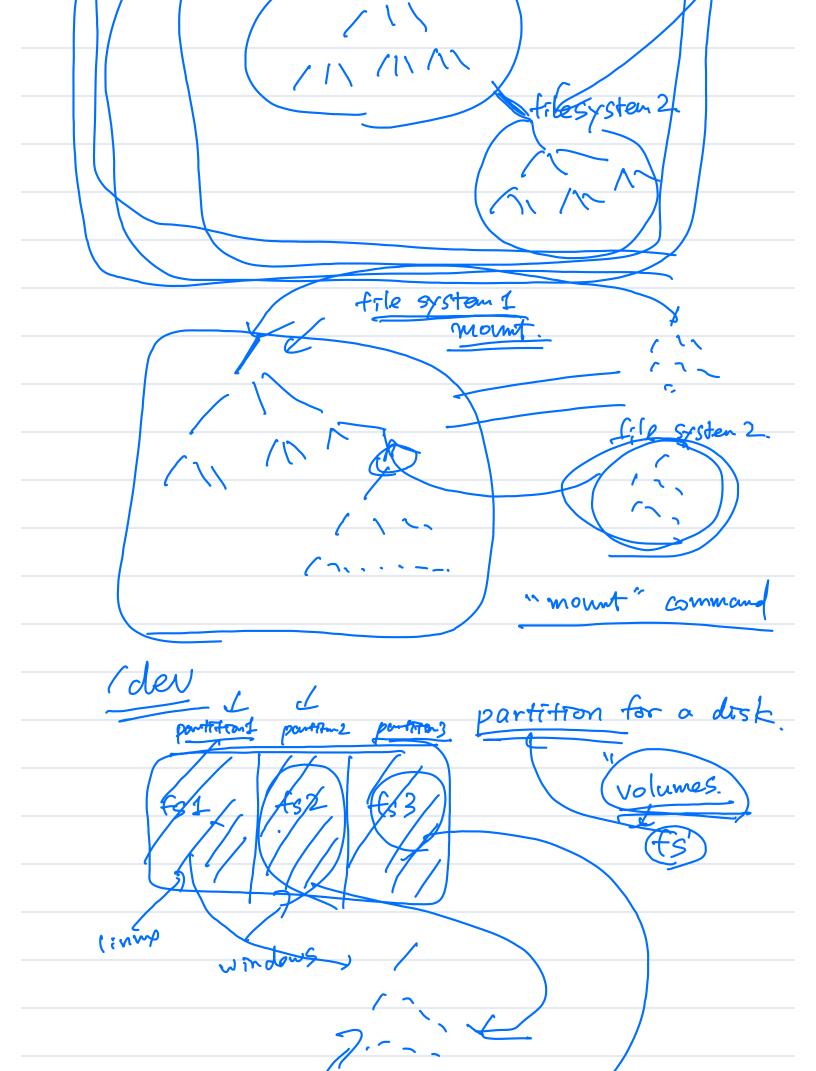
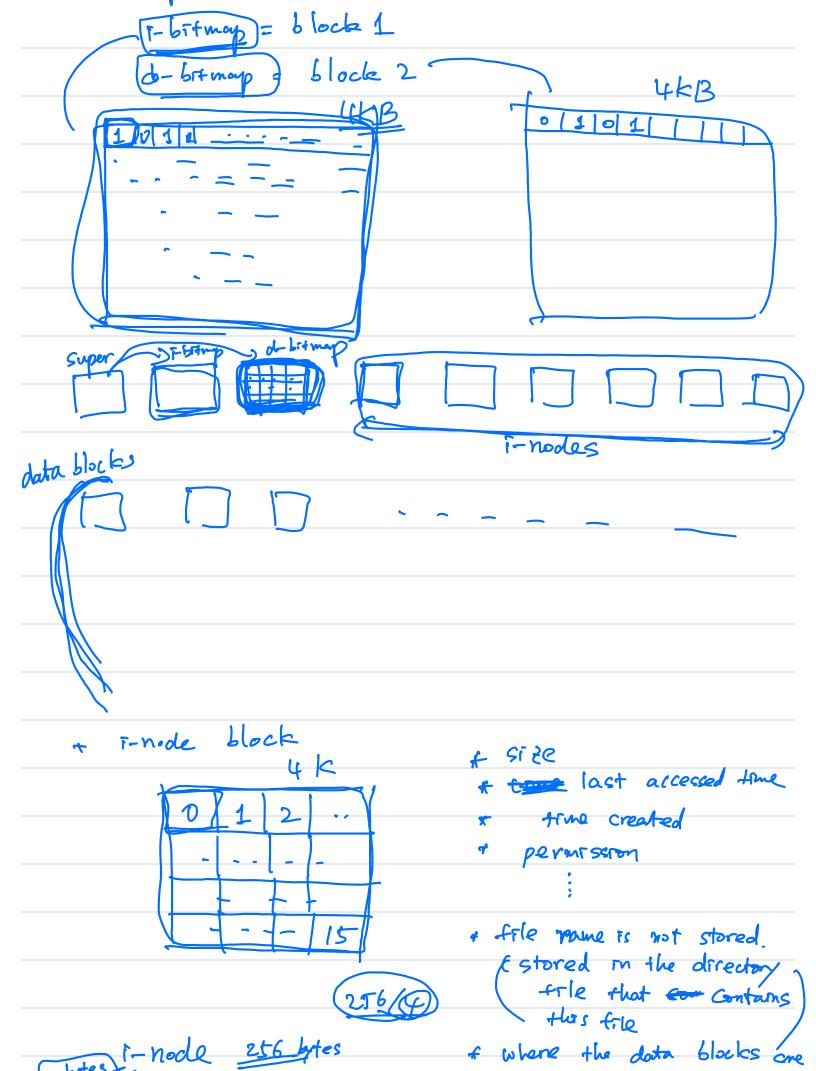
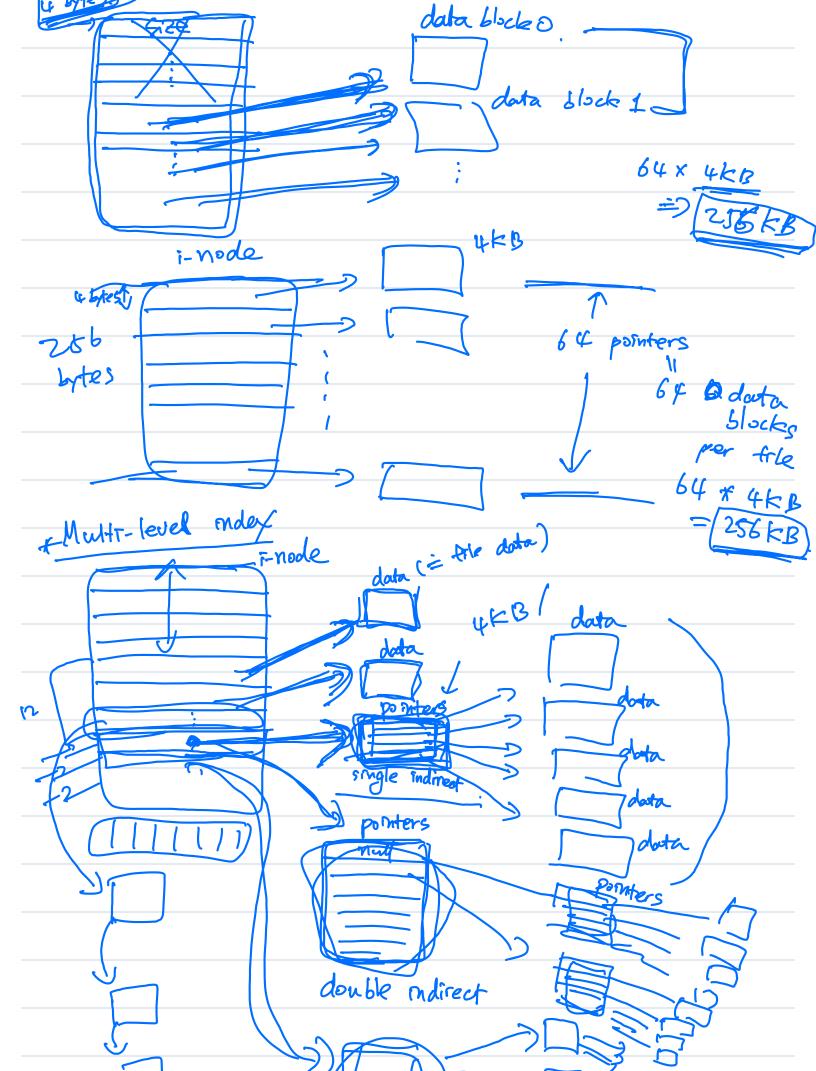
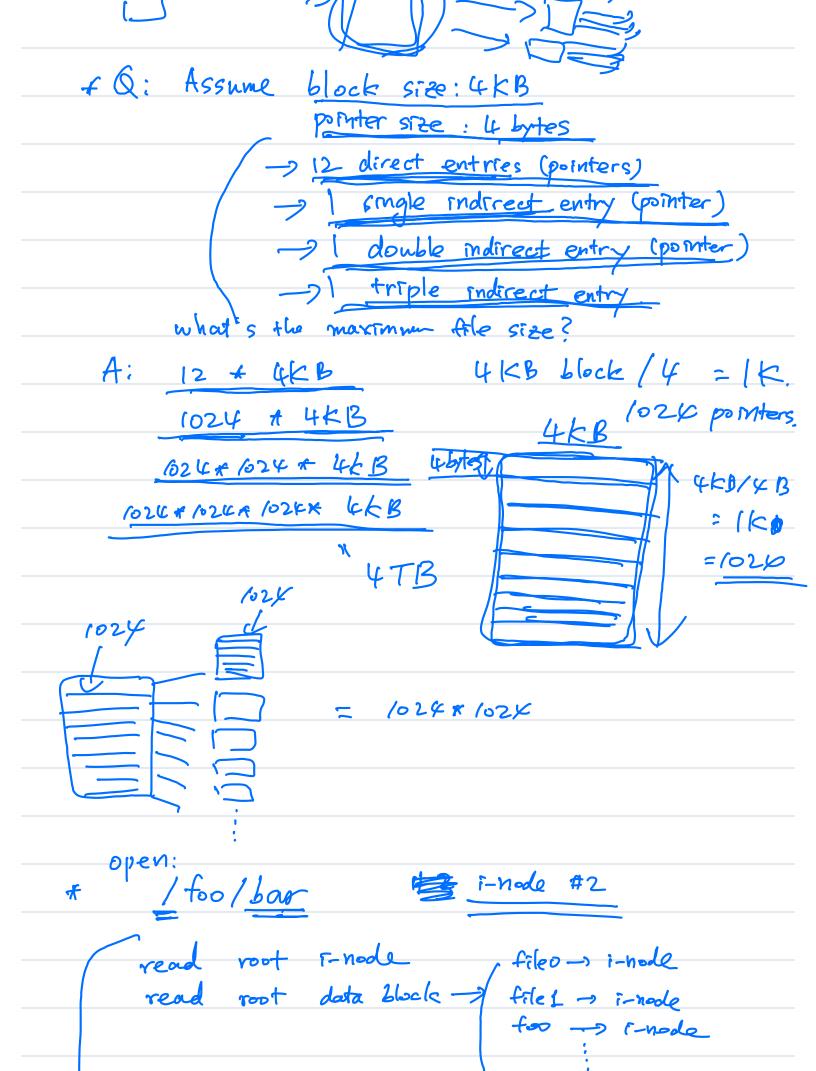
Additional Resources: https://pages.cs.wisc.edu/~remzi/OSTEP/file-implementation.pdf Syscall boundary file abstraction.
syscalls. (open. close.)
read. write Virtual File System file systems implement the interface. reiterts.) ext 3 Directory Hierarchy der 1545 / home filet filez file3 sful stul / home mounting / humounting frle system 2 file system 1 User-facing directory Wenarch * mounting done file sycem I



MBK			
disk bloc	ck: 4KB.	(matches the	page)
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+ Example Olivery 8 9	1 1 1 5 6	meta i meta i f-bi i dat	douta. node block thop. d-bitmop uper block a blocks
* i- bitom	blocks (first block		







read for r-node read for dota block -> (Ale) -> 1-node bar -> 7-node read bar i-node (fd)= open ("(fool bar")) D bar F-node read (fd, buf --) write (fd. buf. ---) of read (fd). read bar i-node read bar data write bar i-node * write (fd) read bar i-node read data bitmap write data brinap urite data block write bour E-node * create "foo/bar" read root 1-node read root data read for F-Mode read too data

read 1-node bitmap write r-nale bar r-node (mitialization write bar r-node