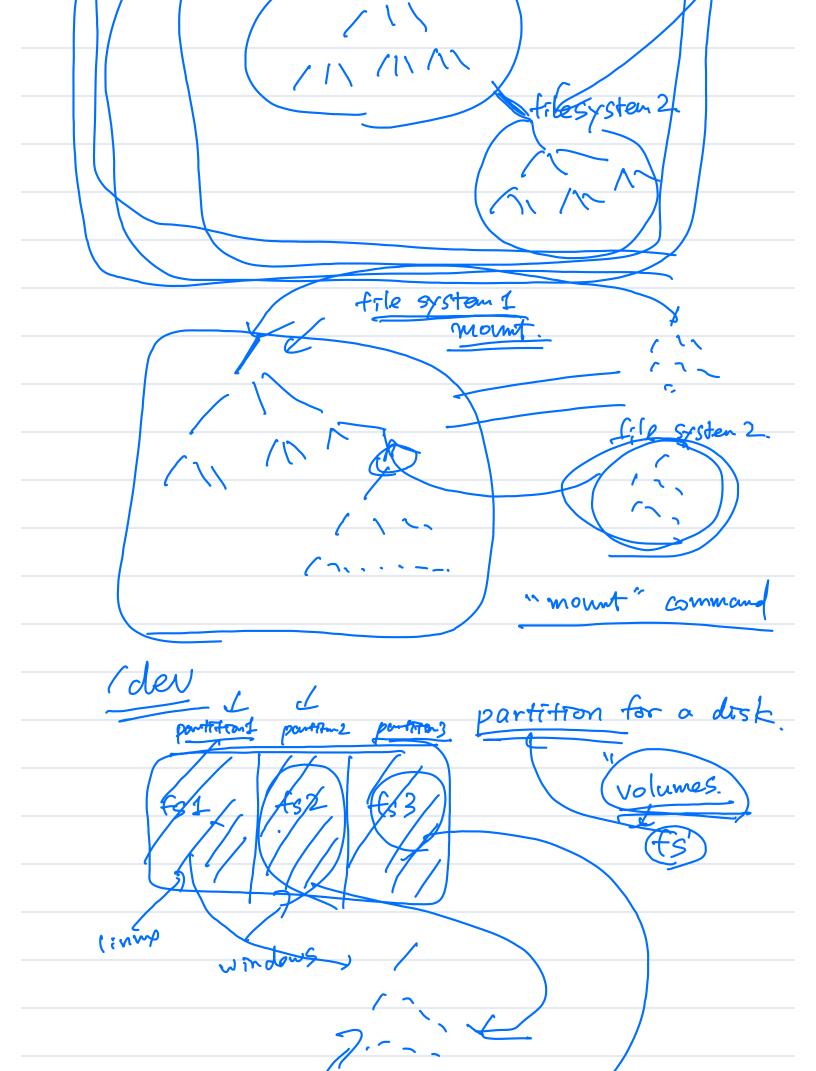
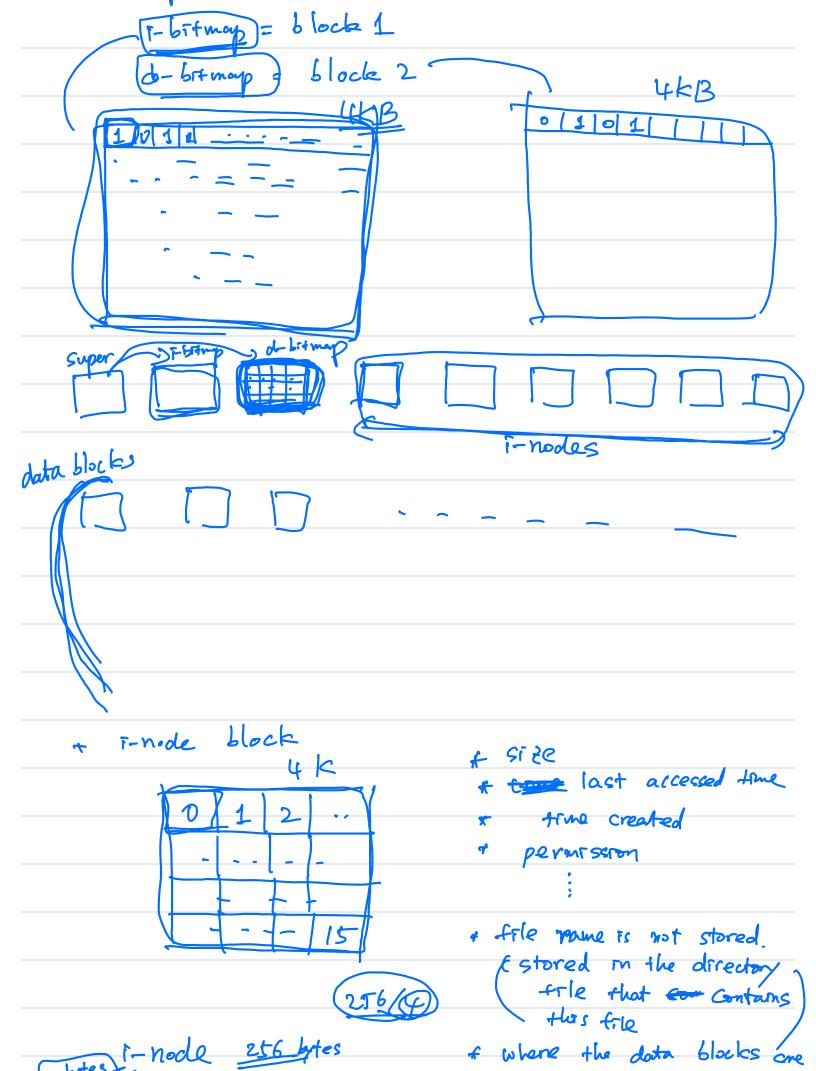
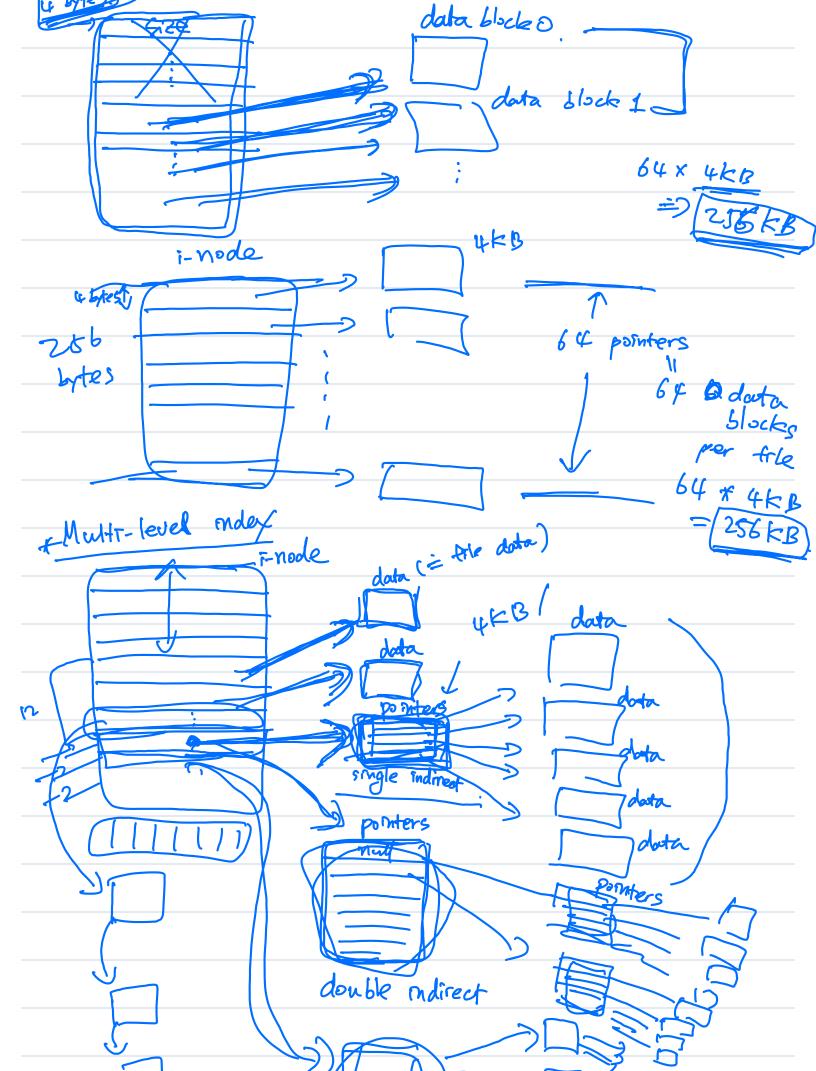
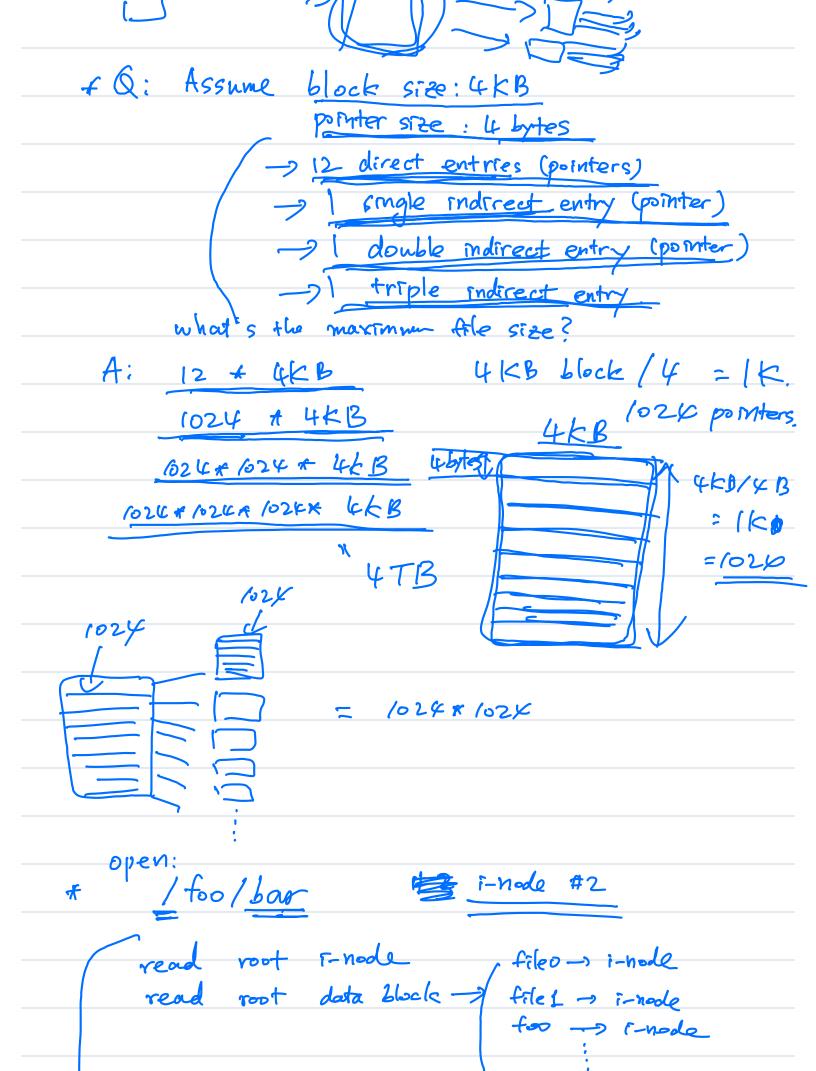
syscall boundary file abstraction syscalls. (open. close.) Virtual File System) read. write file systems < implement the resterts. (ext3 interface Directory Hierarchy / home filel filer files sful stuz mounting / humounting file system 2 file system 1 W V User-facing directory twenarch mounting done file sycem I



MBK			
disk bloc	ck: 4KB.	(matches the	page)
# Files.:  # Directorie	data content es: considered f	* * * * * * * * * * * * * * * * * * * *	
data bl	cks a blocks ( 1-no		
+ 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 5-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