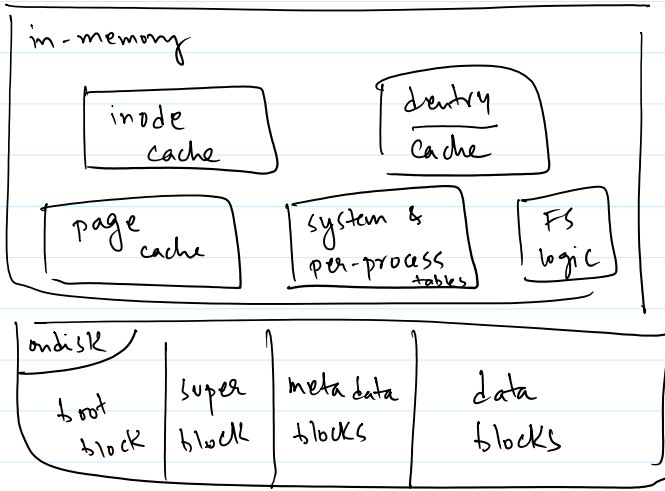
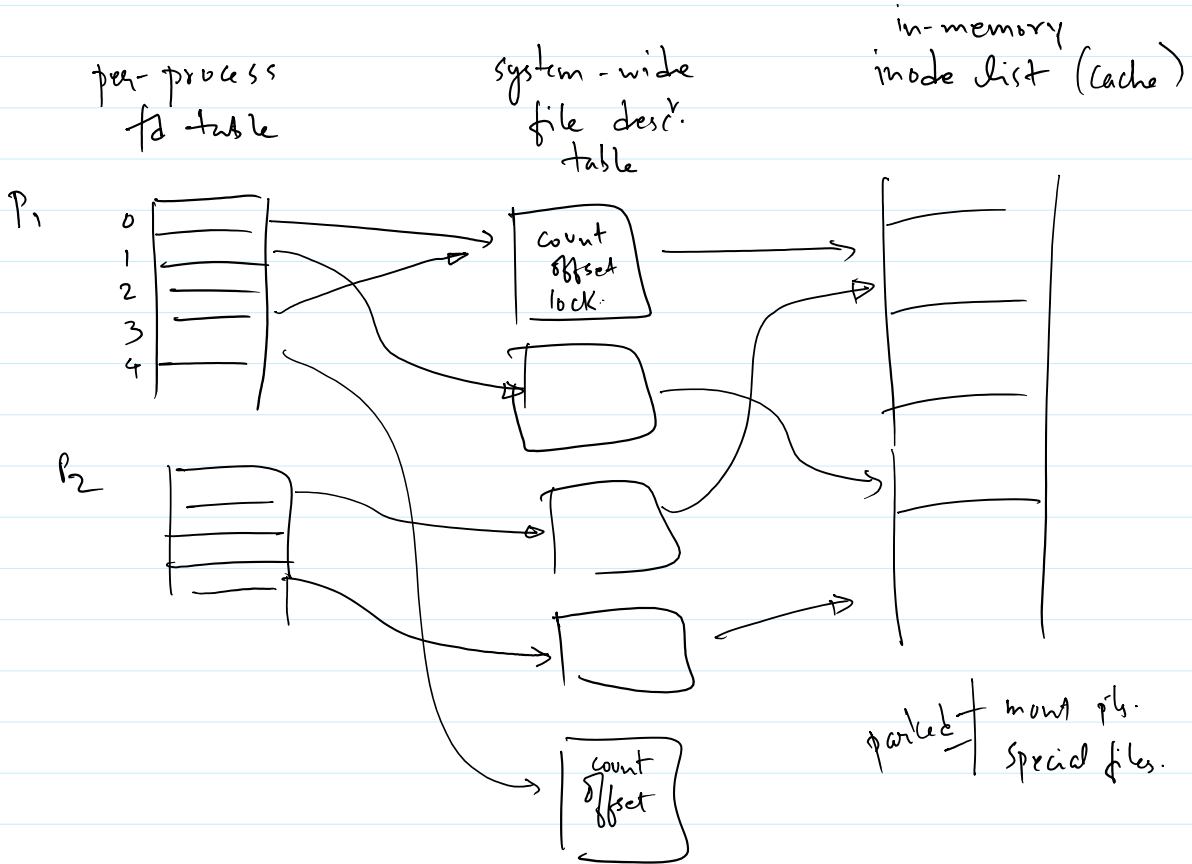


Filesystems

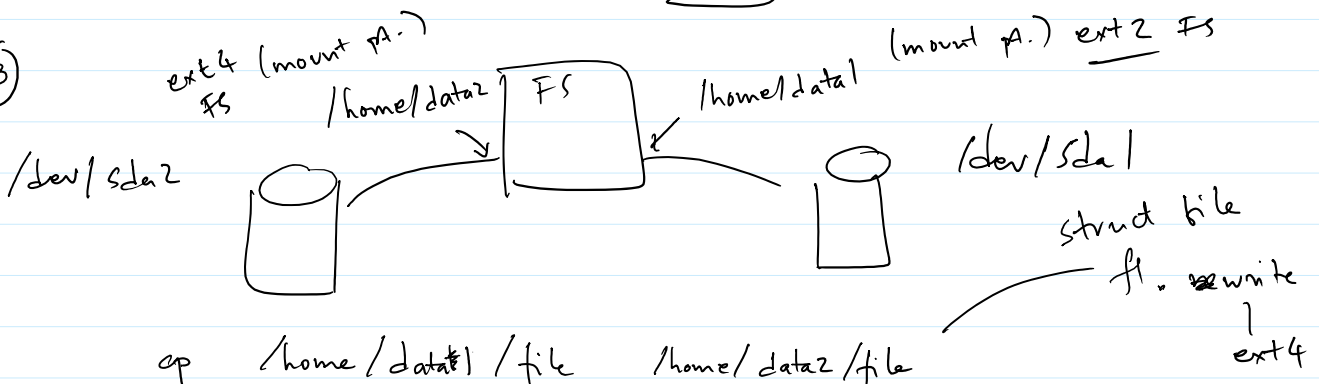
① the filesystem view



②

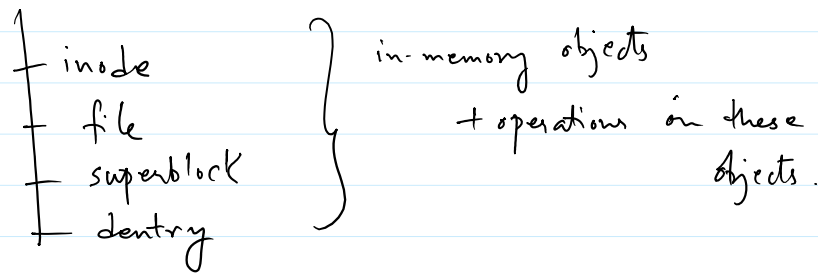


③



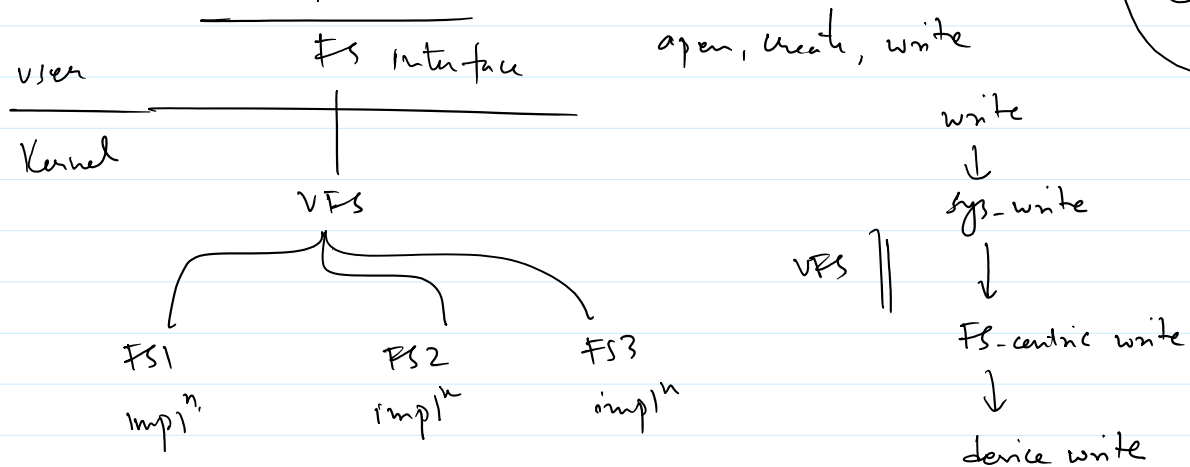
- VFS ~ virtual file system

1. the common file model



+ 2. read
|
ext2

2. App^{ns}.



④ Block allocation policies.

- how to allocate blocks on disk to files.
de-allocate

- metrics:
objectives (i) min. seek time
access

(ii) ovlds. of allocation should be '0'

(iii) support for large files / expandable files.

(iv) min. lookup latency (offset → block)

① contiguous allocation

file start block size/count } → ...

<u>file</u>	<u>start block</u>	<u>size/count</u>	} part of metadata (in order)
f1	6	3	
f2	10	8	
f3	19	6	

② . . . to be continued.