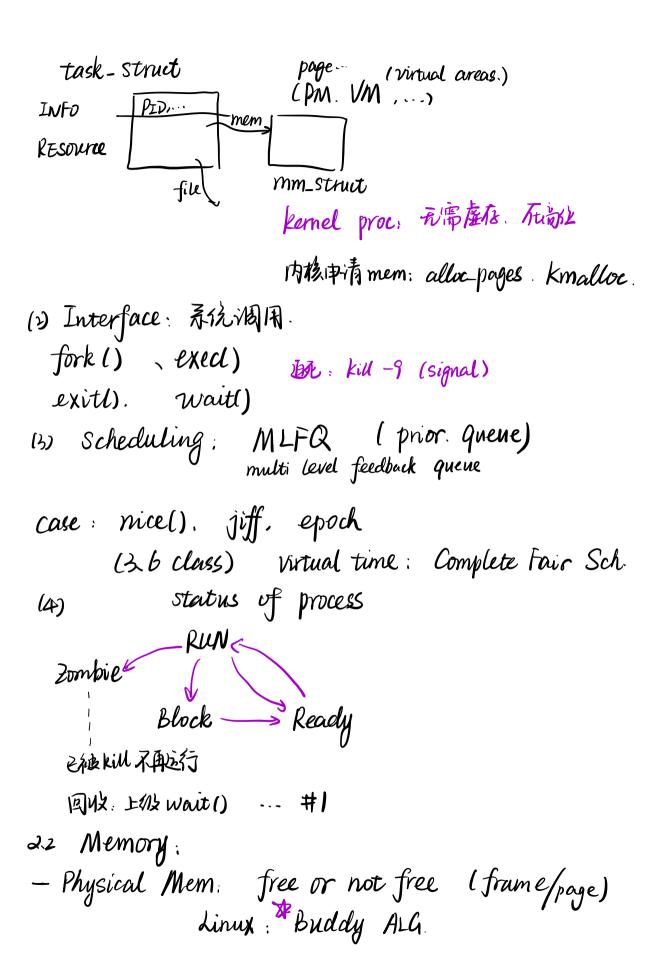
Review OS 造进程? , 精代人 operator: coding. compiler. running land 这第 operational performance System maybe S/W-> H/W example: UNIX @ Conbarto 1. History: R -> Batching -> Time Sharing

LHKPA. Ly FMS
Fortrain Monitor MULTICS then MULTICS -> Modern System @ Bell \ 加桶: layer (hierarchy) Vs. Ring

abstraction 2. Virtualization; 1 CPU. MEM I/O. 4 ¿ process, virtual mem. file & every process is a VM. al process (1) User / Kernel process (thread) kernel process in unix: no mm_struct Thread: shared mem but ind. Reg. Stack,...

Recall: mm_struct? 313 class



til knalloe alloe-pages. Vmalloe
- Virtual Mem (for process)
O page table 3-13 class
@ mem-map: vm_area_struct. Seq-list. R-B tree
a system call: mmapl):) file > Vm- like another maller.
a system call: mmapl): , file > Vm-like another malluc section by aronymous (\$1518)
section by anonymous (PIETS) sp OXFF memory map. stack
B mallocl) : brk() in sys call
now by mmapl)? >24
2.3 File (everything is a file)
co File (itself): seq of Bytes
He: · open. close: exclusive sharing.
不同句杨号、笑的
不同句杨芳、吴幼)
· read. write
• ioctl
(12) VFS*. abstraction for all supported FS- history: Network FS (vnode). RPC @ SUN
history: Network FS (vnode). RPC @ SUN
(3) File System (a set of file): insert del find
FAT- Linked List / tree? 可的如理以病序
EXT2: Index (inode)