CSE 330: Operating Systems Class: 17 Date: 10/18

Note Title

Topics

Inho / History etc

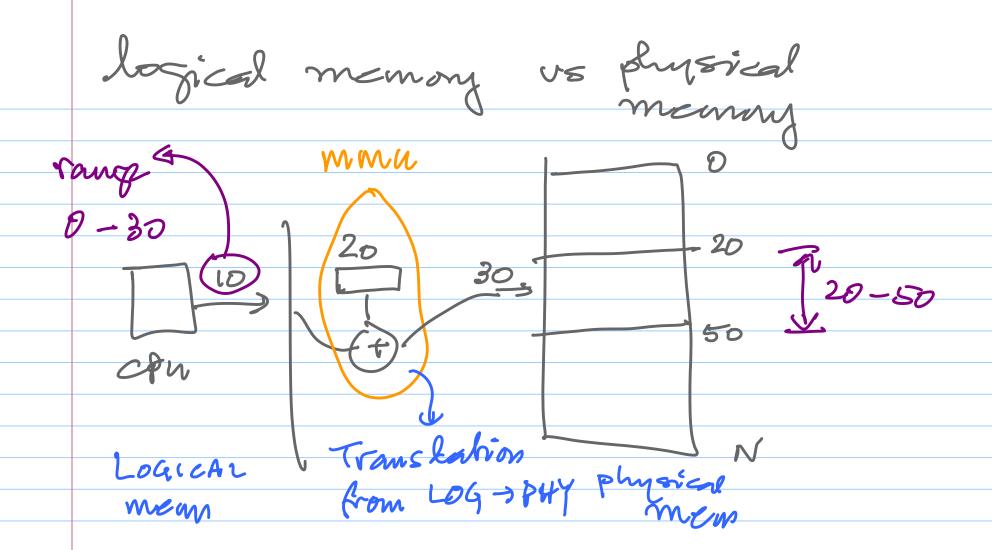
Protection, System Calle
Scheduling - CPU
Processes / Threads / Race Cond
Semaphono - Program
— Implement
Monitor, pthreads -> mem mys

Physical Henory magnut · Size varies (Small to large) dynamically un boaded

dy namic relocation t compachias

Code Rixed Rixed Site Stach Stock grows & shinks

Cannot do - vuer programs larger Han - Selectively protect meaning - Shave code/data between



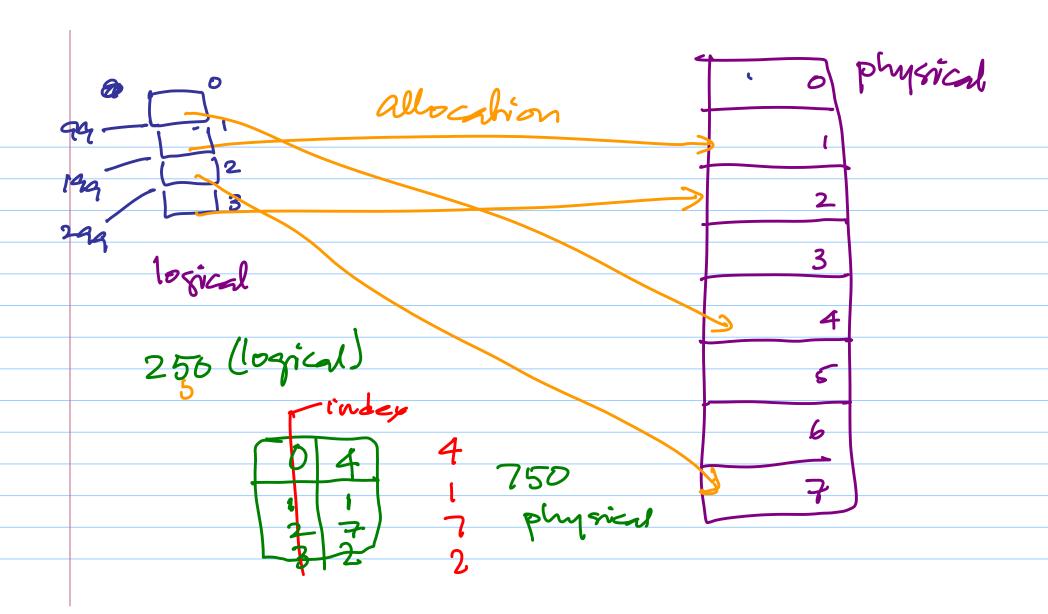
Physical meaning problems

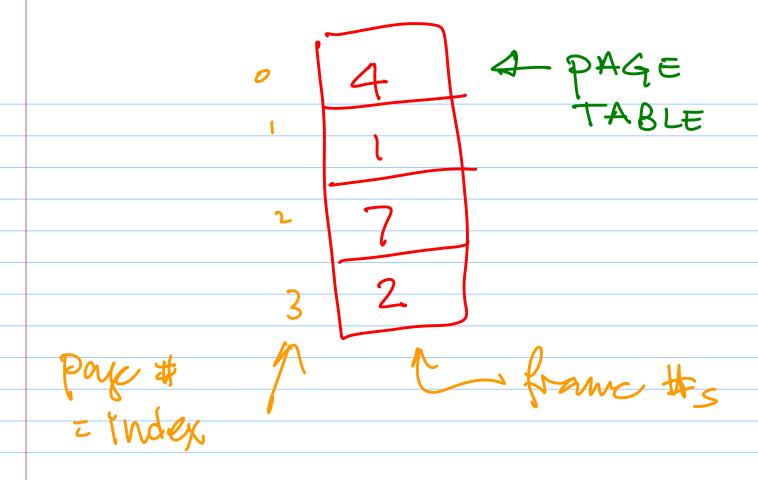
Treed for contigons churche (variable size)

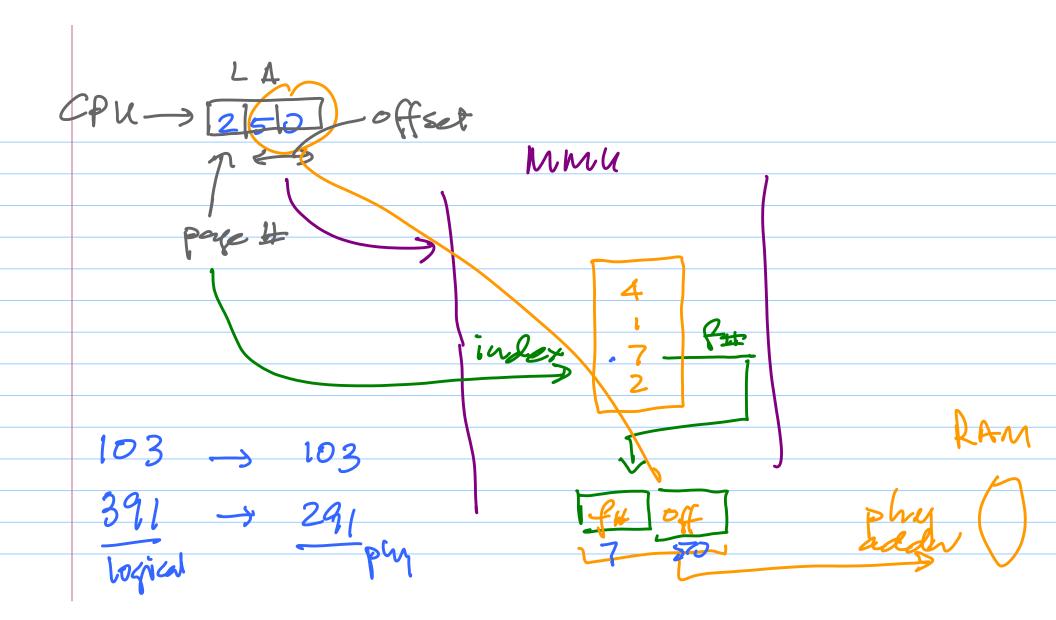
moving memory

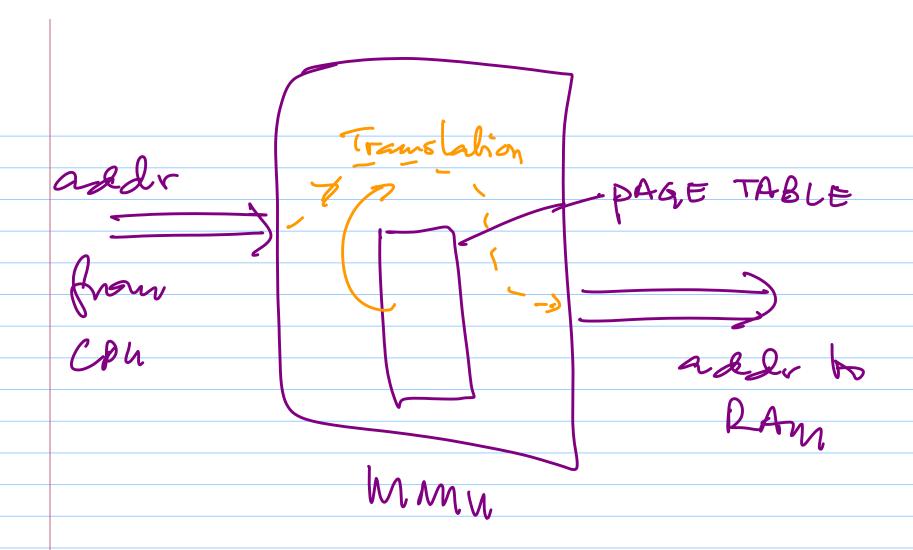
RAM fixed = frame 512e size Any page can be put into any frame 512 bytus 4k " PAGING

loobytes/page 0 +250 (DD 50 300 Logical address > 0 to 397



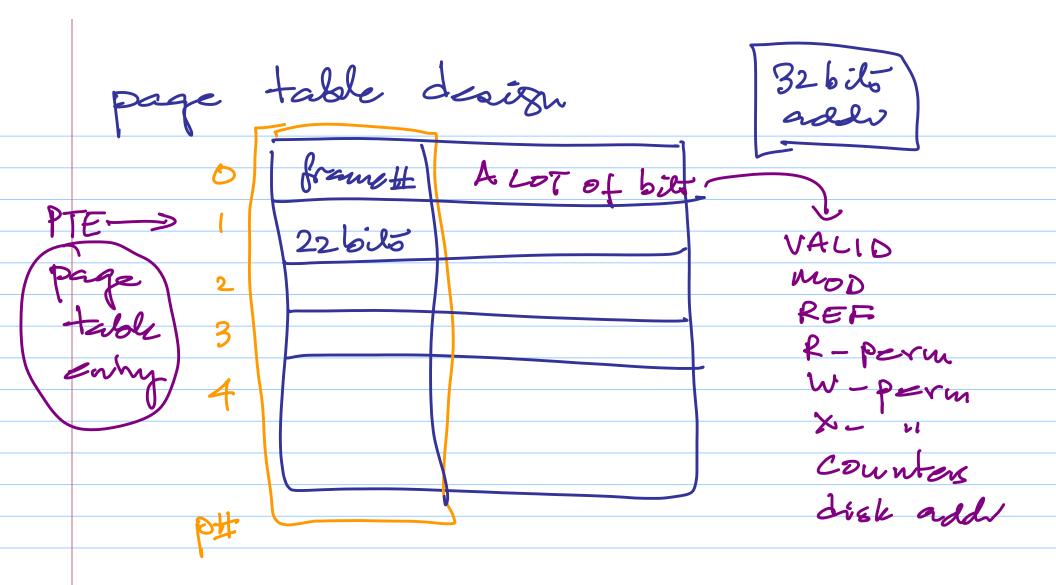






X X X X X X X 100 (000 (800)

J belo Binary Site bilo in offst 256 612 1024



LA to PA translation

oget p# 4 offset from LA . Look up page table suling with

get fet

Concat f# & offset -> PA

-> all paper in men -> mmen down handhing PAGING is where is the page table (?) Desery process has unique page table (private) > how big? > max 2 > 4M x Size = Too BIG

PAGE Tables are stard in k-mean Kernel Memony muu Base Registr MWU (P# + PTBR) -> PTE addr LOOKUP.

lookup (venl) adl