C5 326-62 Process Shared Memory
Project 04 due Monday May 8th 11:59 pm

Kernel Free Pages

Page Directories

Process Shared Memory

Kernel Free Pages

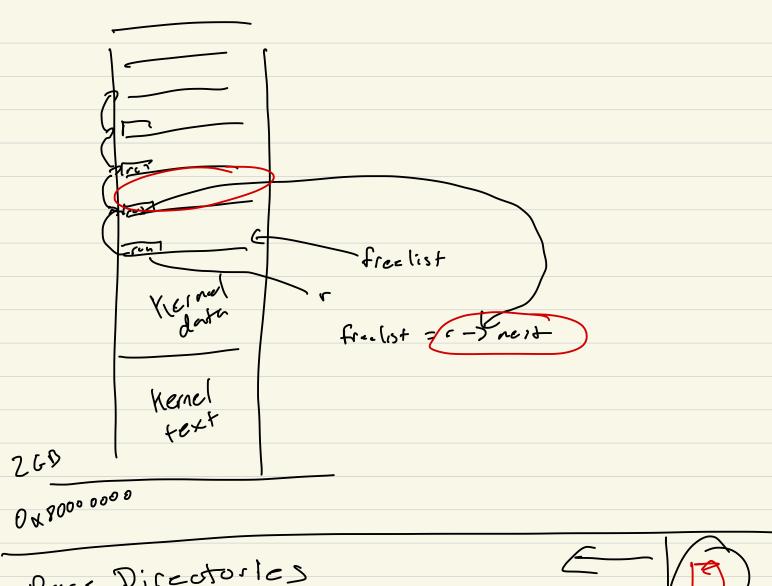
128 MB Now many pages?

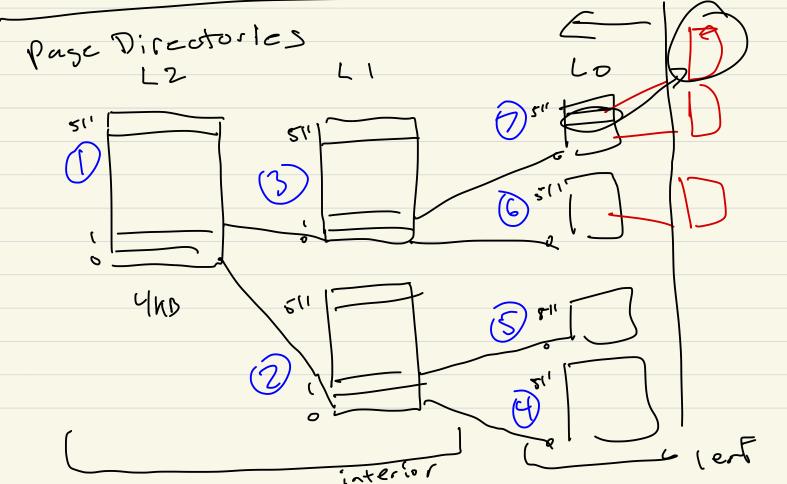
\ MB = 2

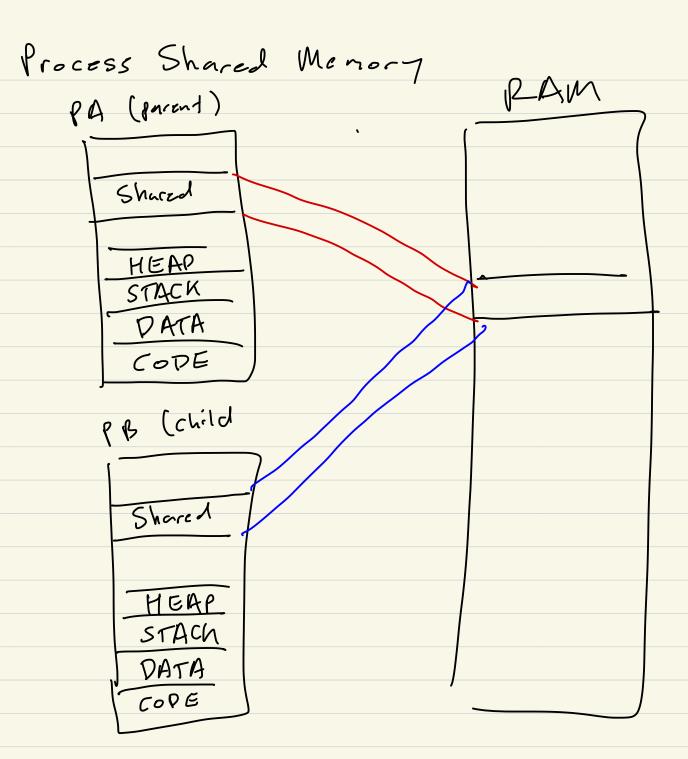
 $128 \times 2^{20} = 2^{7} \times 2^{20} = 2^{27}$ 

227/21 = 210 = 32768

32768 - 32553 = 215 pades







Things to Consider

Smem (addr, size)

- (D) chech that adds and size are multiples of 4096
- 2) Allocate pages with Kelloc6)
- 3) chech conflicts in JA (-ddr)
  - Maplases to-addr in the process pagetable

Concepti, a shared momory region

In proc. struct.

addr (LUVA)

SIZe

owner-pid

Fork ()

if parent has a shared memory region then have the child inherit the region.

map some virtual address coglism

free procl)

if proc now shaked mem

if proc & owner

unmap and deallocate pases

else

unmap