

CS326-01 Lab Project 04 Help

✓ kpages() - kalloc freelist

✓ vdirs() / kdirs() - freewalk()

smem() - smem() syscall

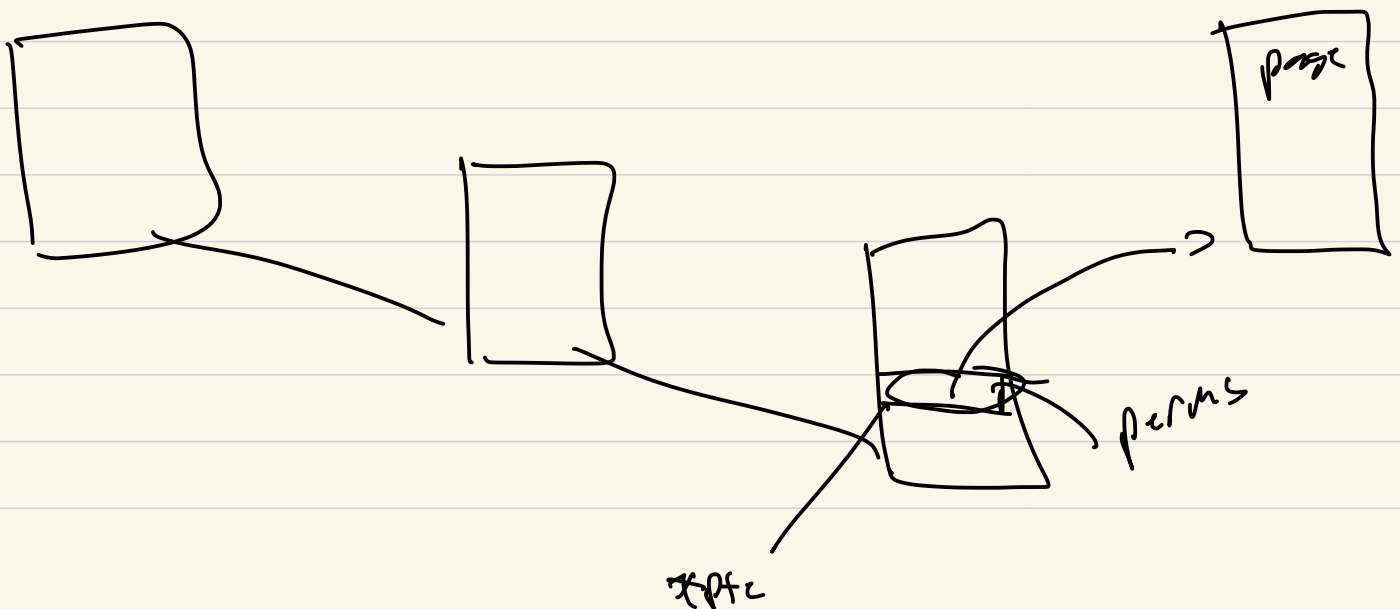
① $\left. \begin{array}{l} \text{proc.c: growproc()} \\ \text{vm.c: UVMalloc()} \end{array} \right\} \text{sbrk()}$

② fork() inherit the shared memory region

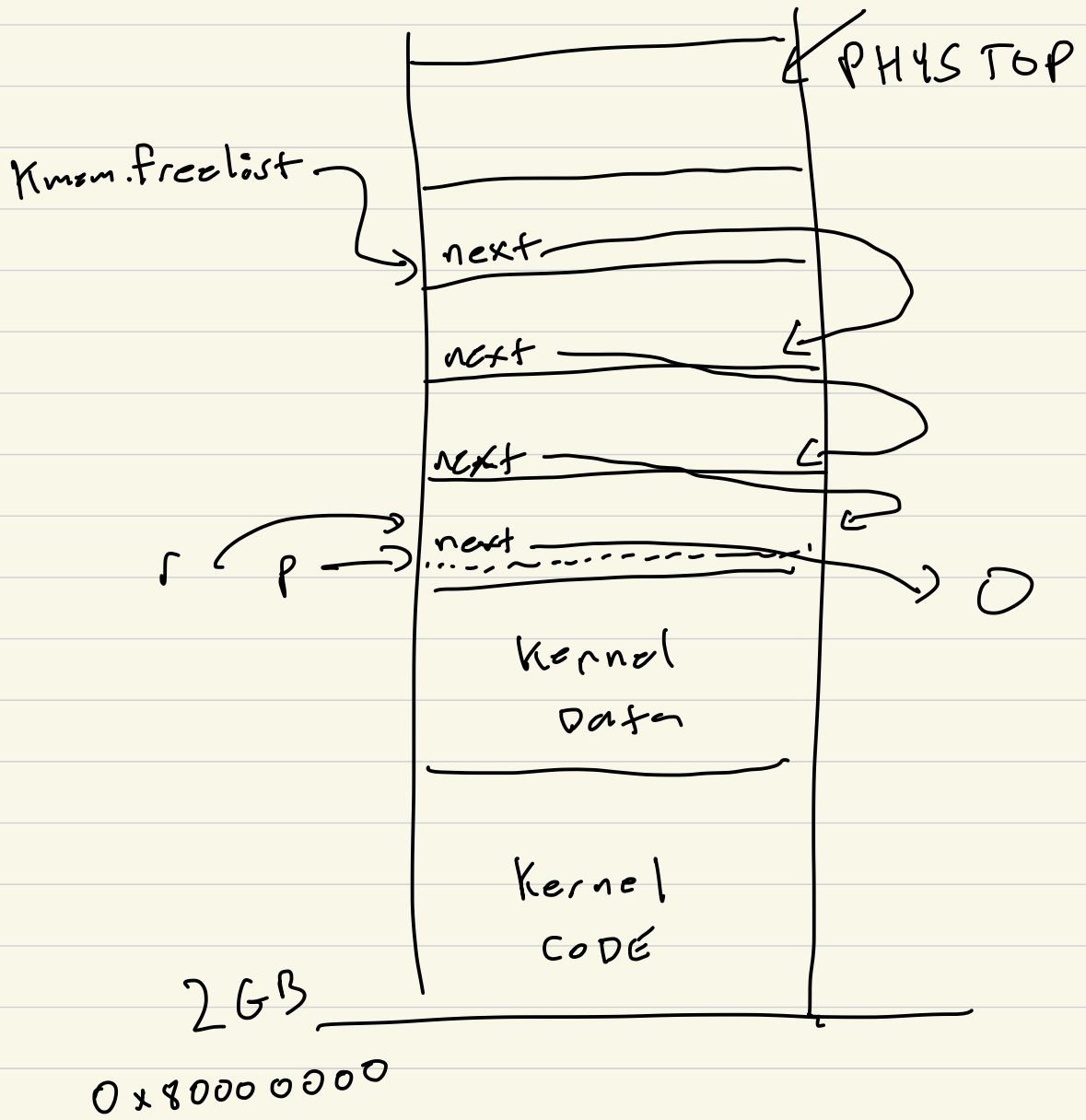
vm.c: uvmcopy()

③ freeproc()

vm.c: UVMunmap()



kallocc.c



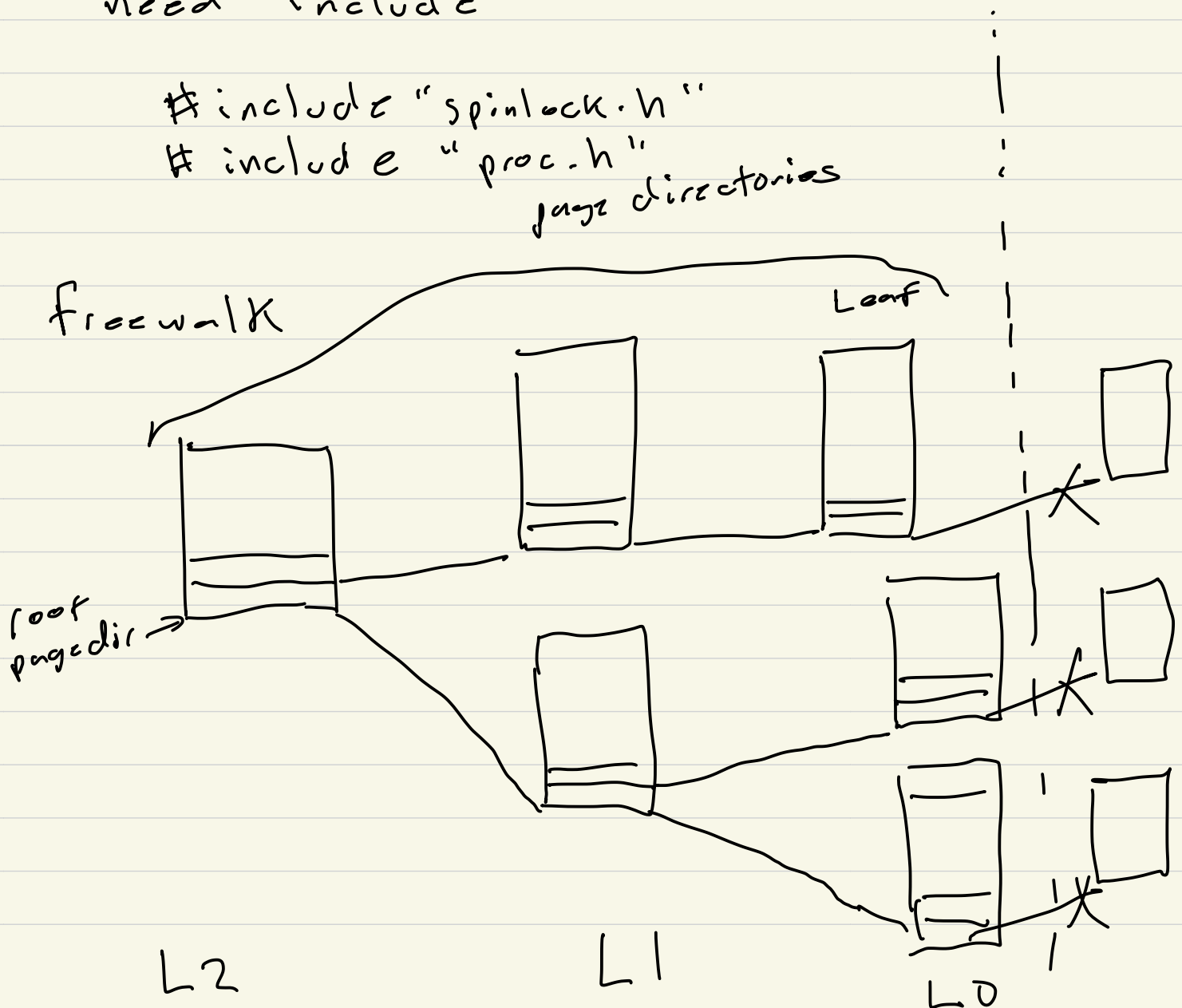
vdirs() / kdirs()

Counting the number of allocated
page directories for a pagetable

vdirs() \rightarrow myproc() \rightarrow pagetable } pointer
kdirs() \rightarrow kernel-pagetable

myproc() in vm.c
need include

#include "spinlock.h"
#include "proc.h"
page directories



Smem

fork()

