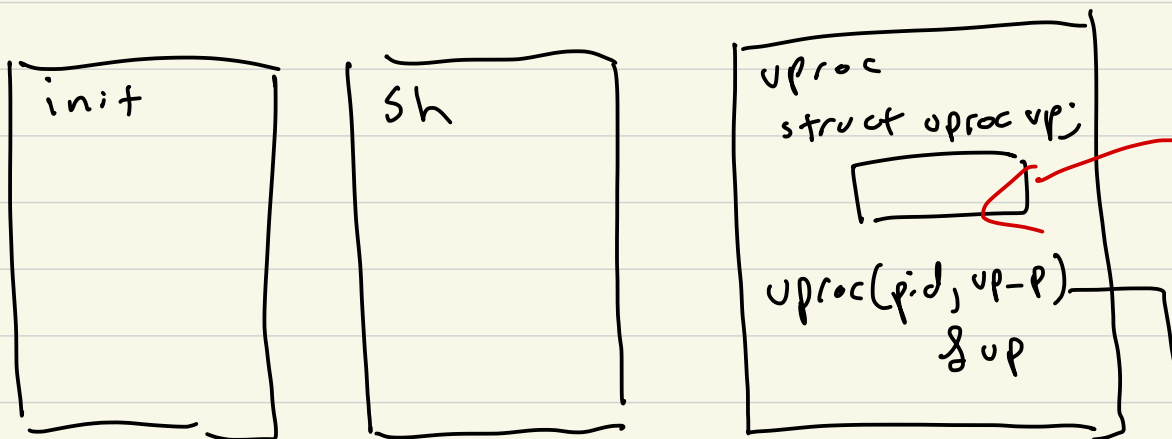


CS 326-02 xv6 Scheduling

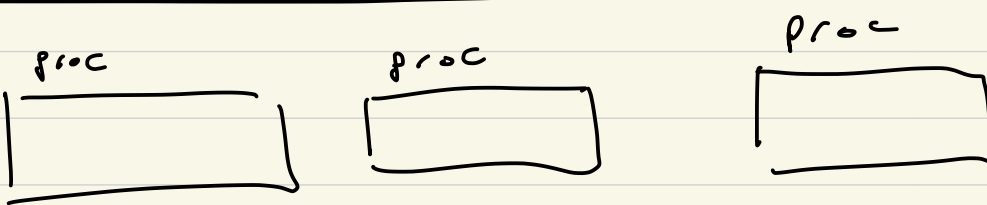
Lab 05

vproc



User

Kernel



proc table

63

2

1

0

sys_vproc()

pid

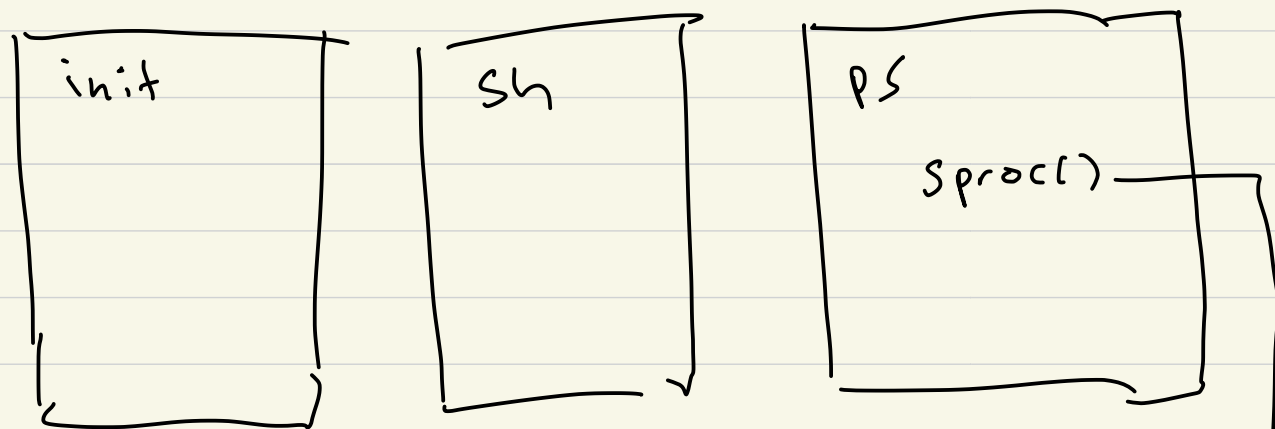
vp-p

proc.c: vproc()

kernel
vproc

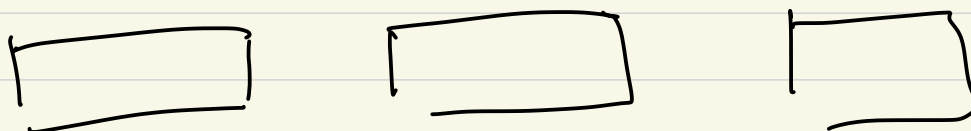
copyout()

ps

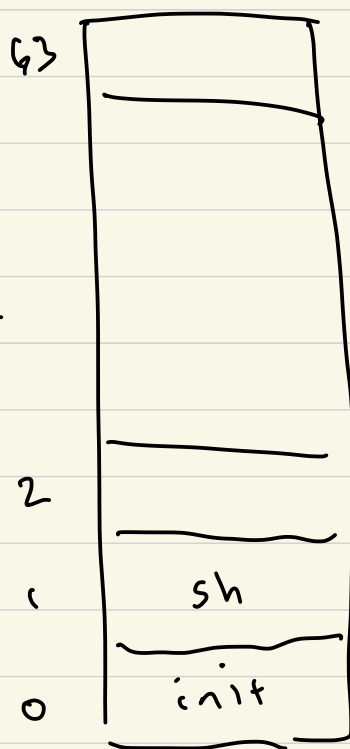


user

kernel



proc table



→ sys-sproc()

→ proc.c: sproc()

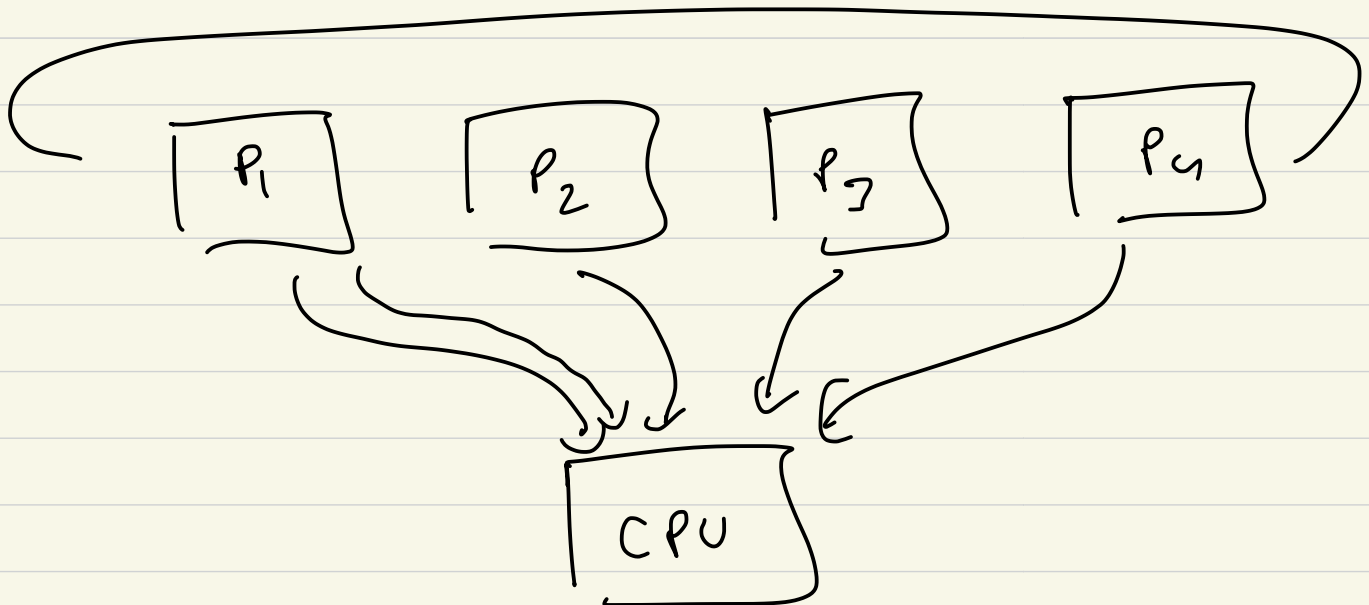
① sproc(int slot, struct uproc *up-p)
64 system calls

② sproc(struct uproc *up-p)
struct uproc *procs[NPROCS];

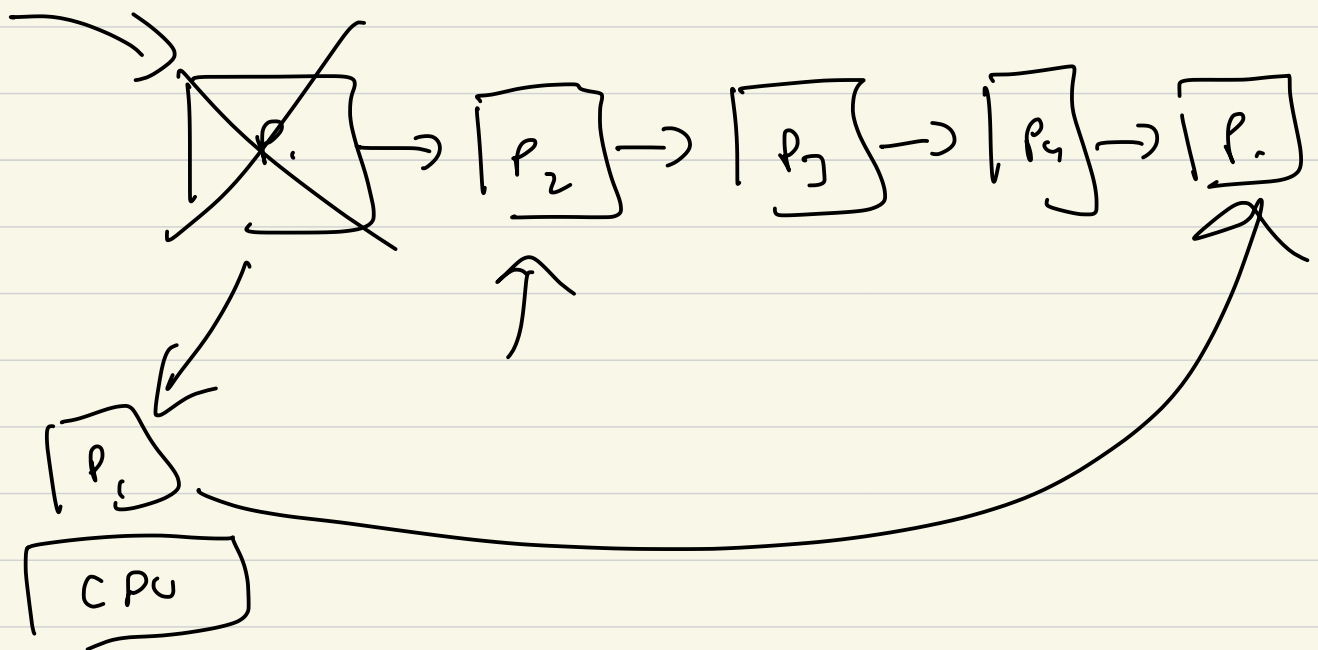
slot
index

xv6 Scheduling

Round Robin Scheduling

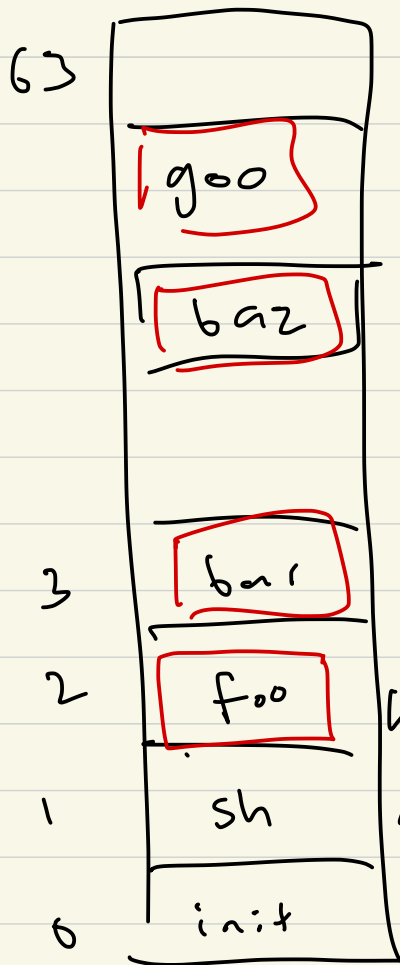


Runnable Queue



How does xub Scheduling work?

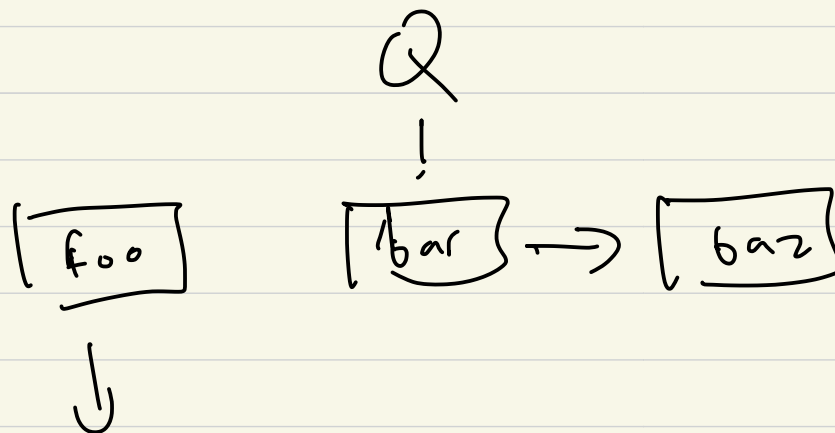
proc table



for (i,j) ∈

for (i=0; i < NPROCS; i++) {

Looks for
a runnable process



busy

```
while(i){  
    do work  
}
```

proc

