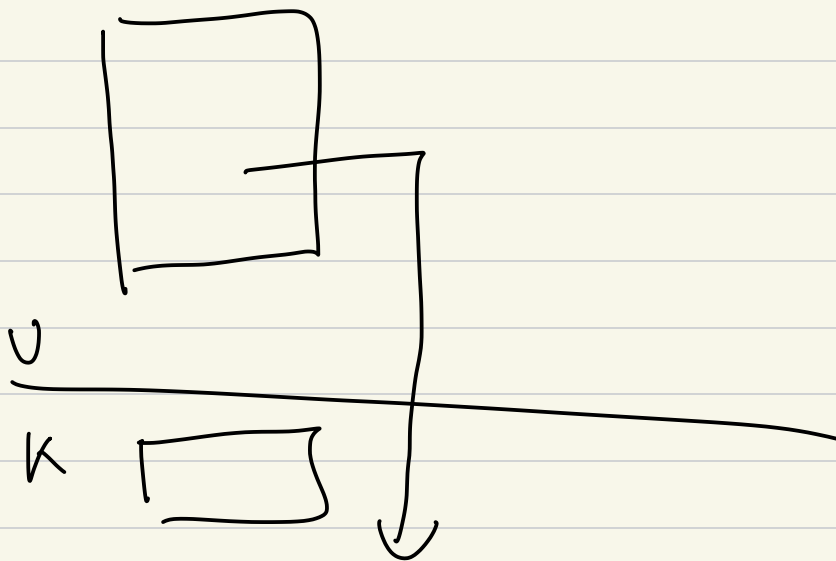


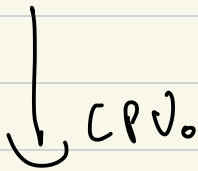
CS 326

Scheduling



addr  
a0

nextpid = nextpid + 1



nextpid = 7

CPU<sub>1</sub>

lock

\*A1 lw to, (a0)

A2 addi to, to, 1  $to=7$   
8

A3 sw to, (a0)



nextpid = 8

lock

\*B1 lw to, (a0)

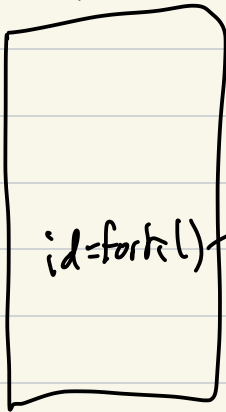
B2 addi to, to, 1  $to=7$   
8

B3 sw to, (a0)

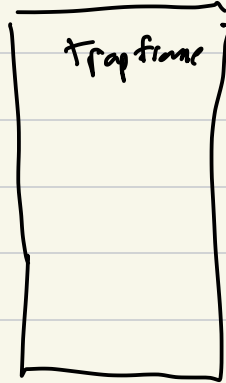
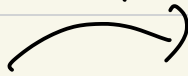


allocproc() parent

child

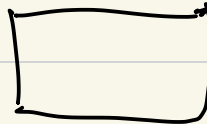
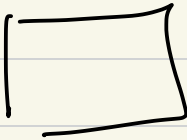


copy



U

K



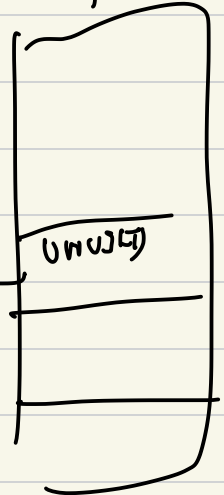
← proc

sys\_fork

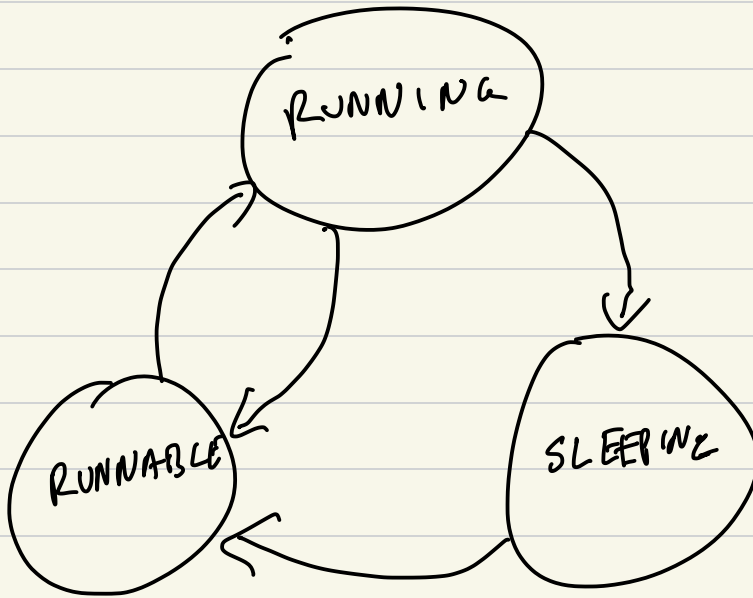
fork()

allocproc()

proc table



# process states



CPU

$P_1$   
context

$P_2$   
context

CPU  
Scheduler  
context