

CS 326-01 System Calls

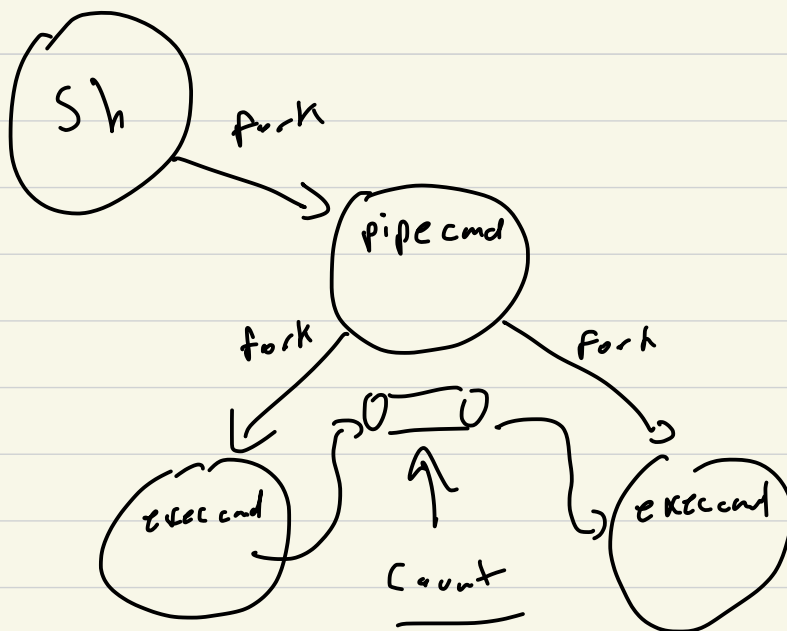
Project 02 - tests coming

sh.c modification

System calls in kernel

sh.c mod

\$ cat README | + wc ↙
- sh: it: 3011 bytes ↑
count
bytes



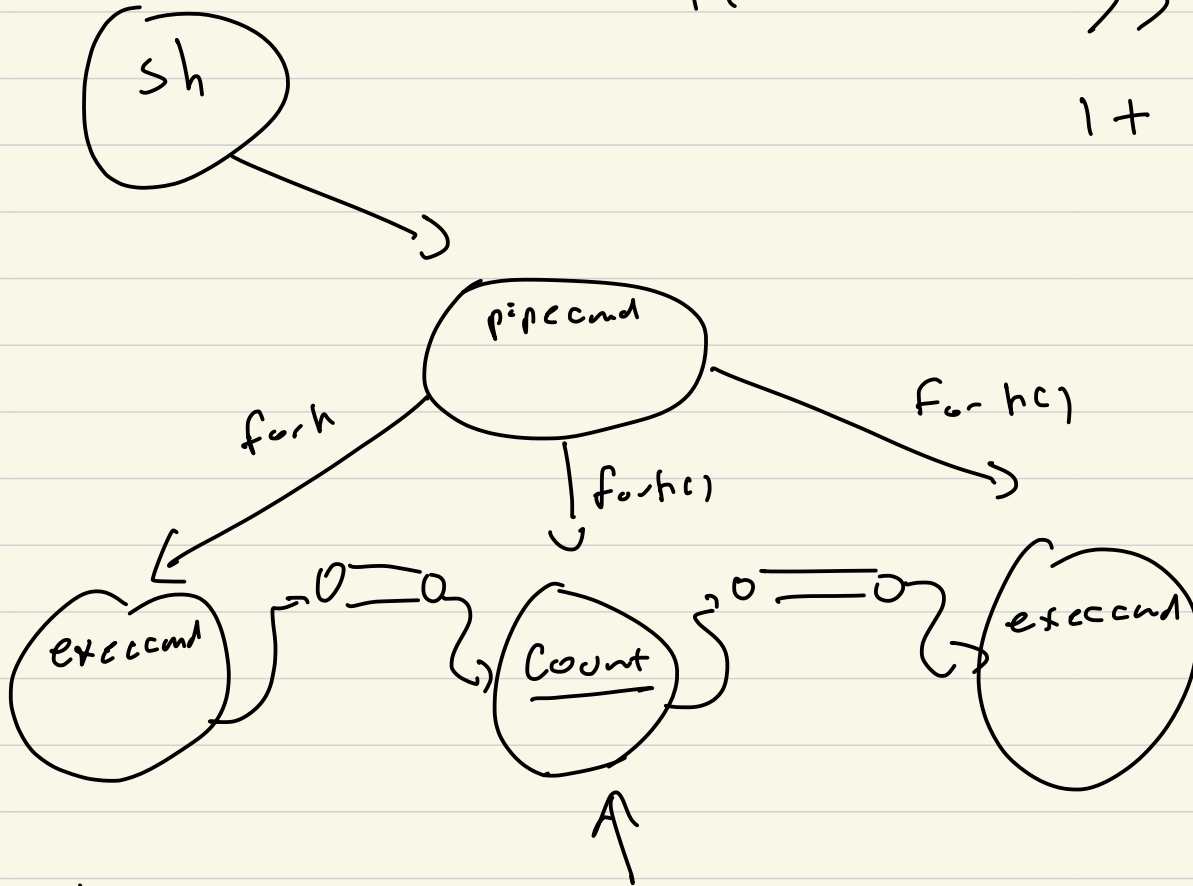
Count bytes through pipe

#1

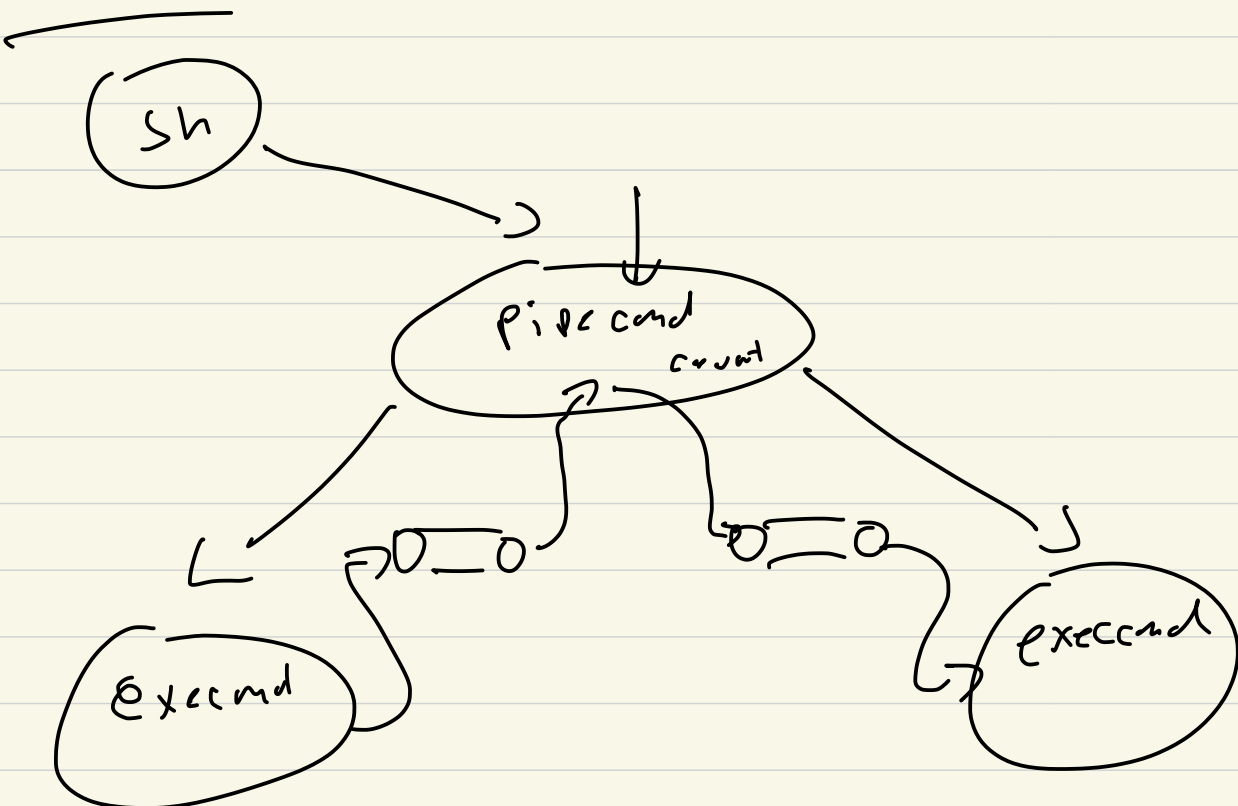
1 + 1 +

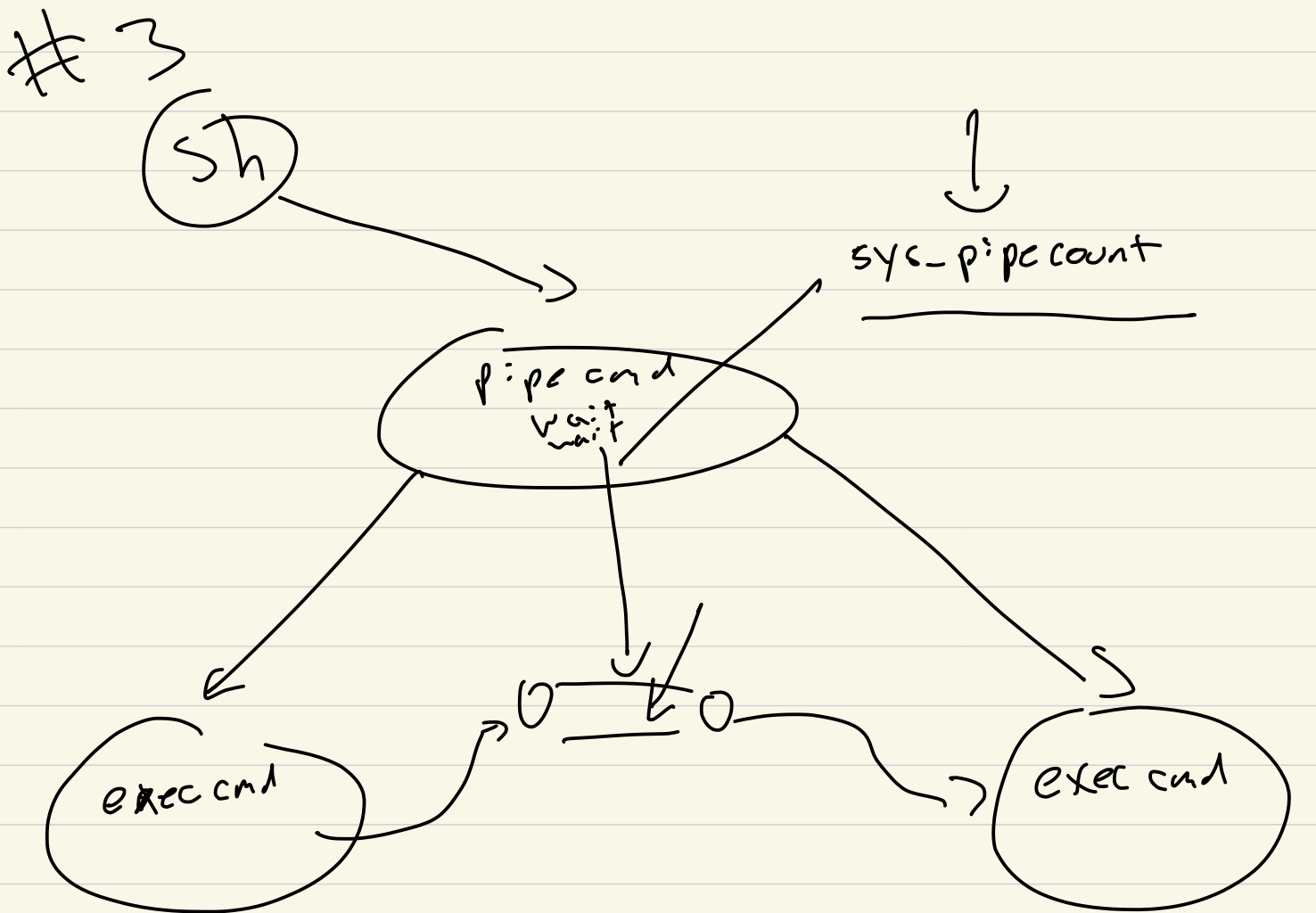
>> +

1 + ?



#2





System calls
process

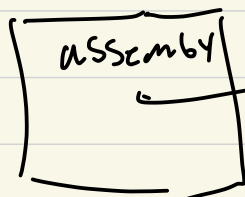


User

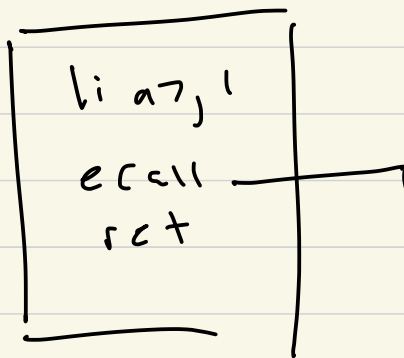
Kernel

Trap handler

C code



`C syscall`



User

Kernel

→ uservec
(asm)

Save User
regs
on stack

→ usertrap (c)

→ syscall (c)

↓
look-up
call