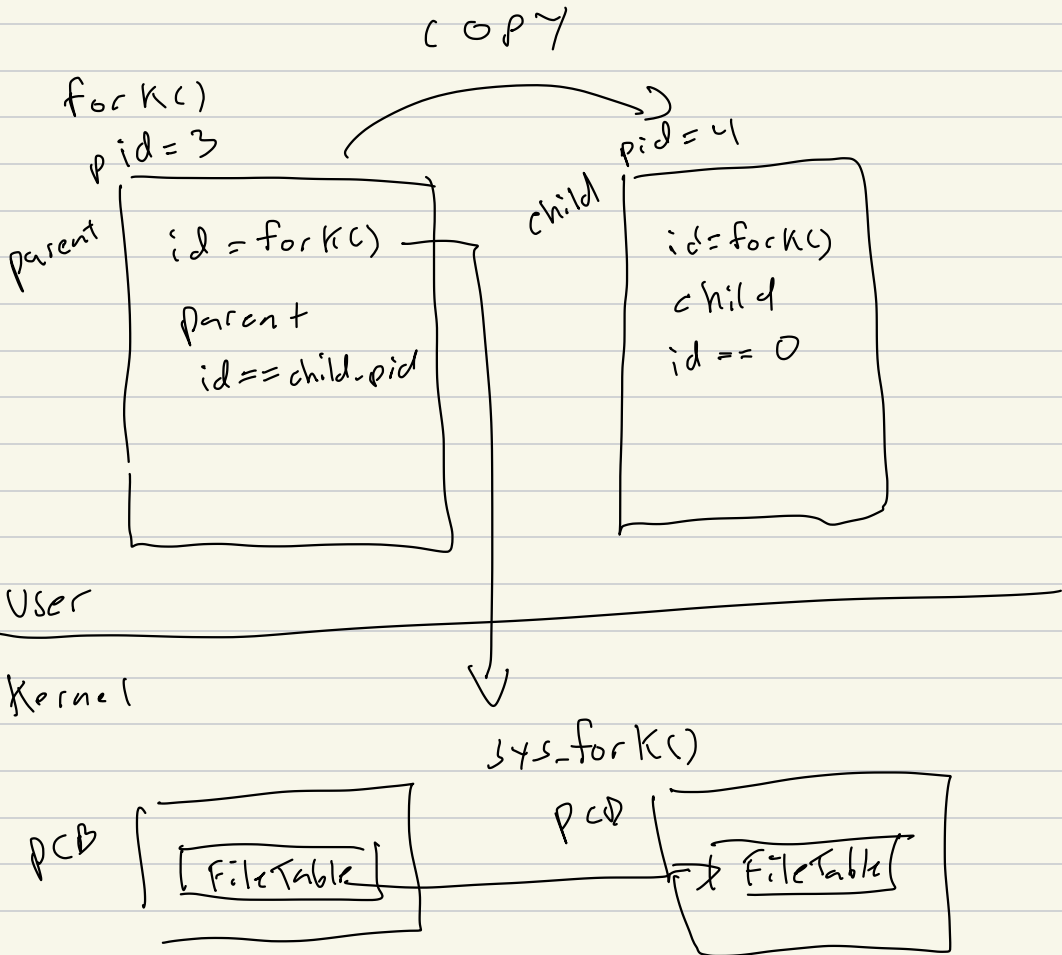
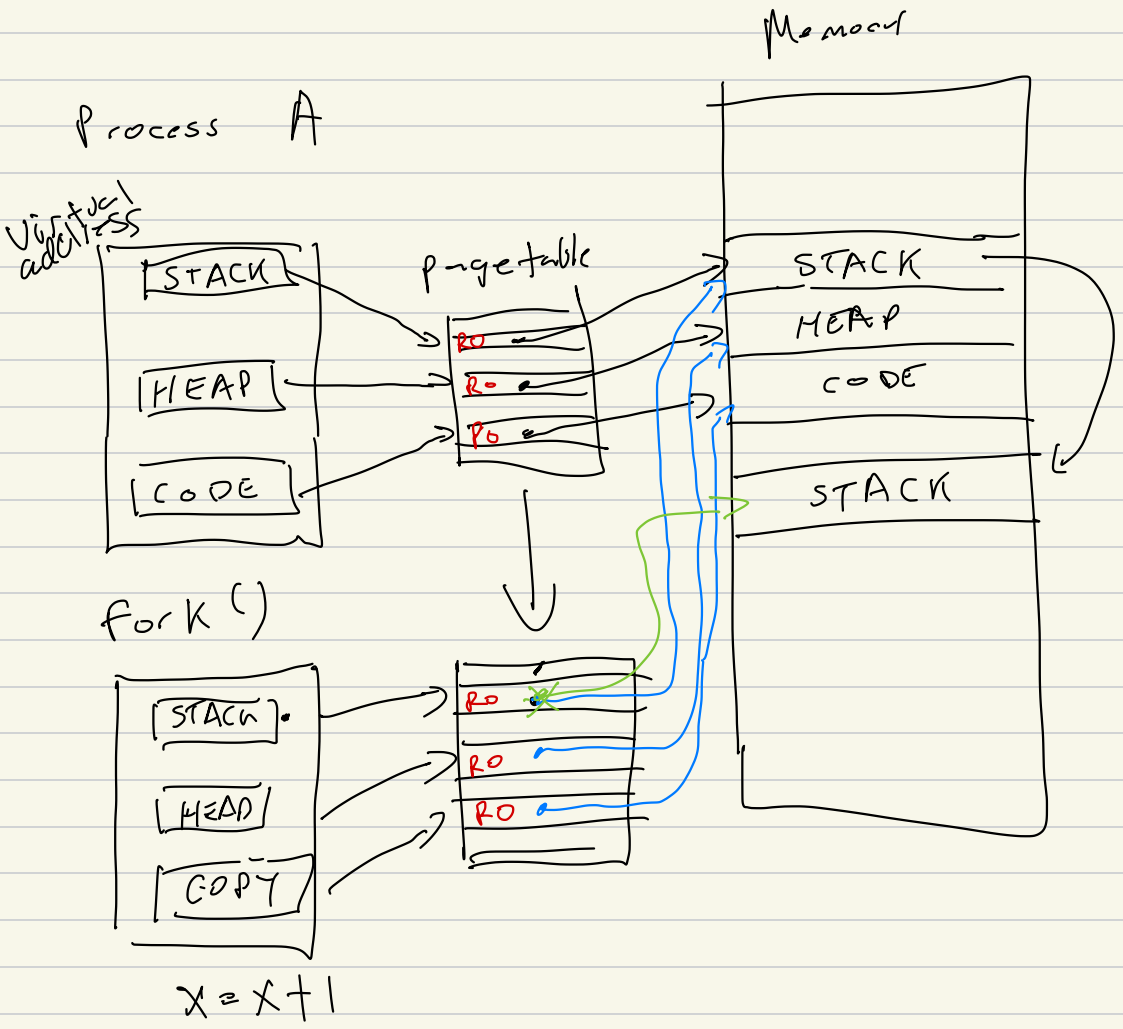


Review `fork()` / `exec()` / redirection

Pipes

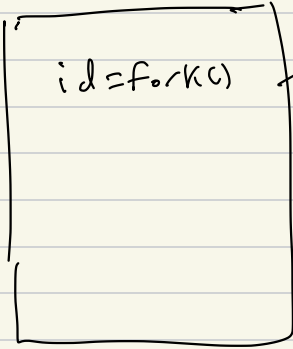
Kernel



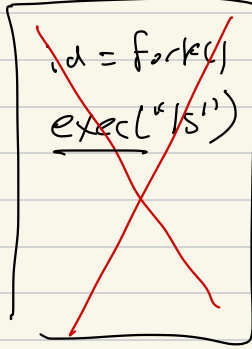


exec()

parent pid=3

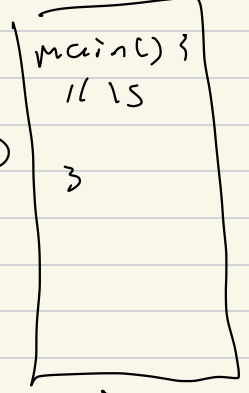


child pid=4

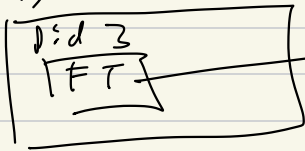


→

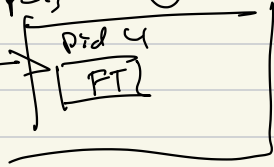
pid=4



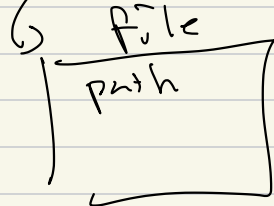
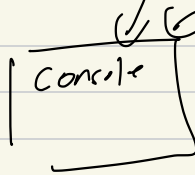
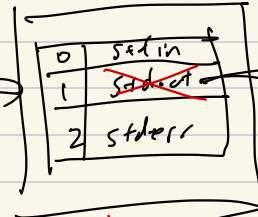
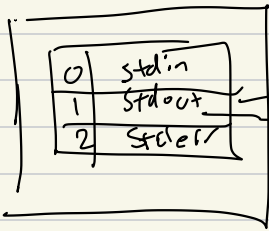
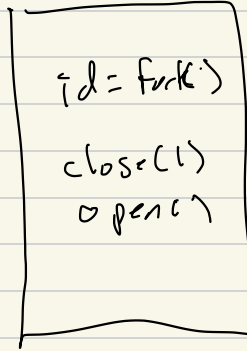
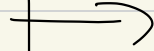
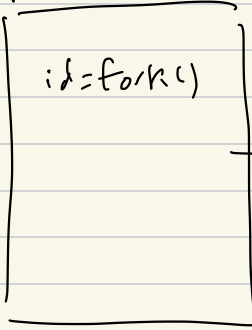
PCB



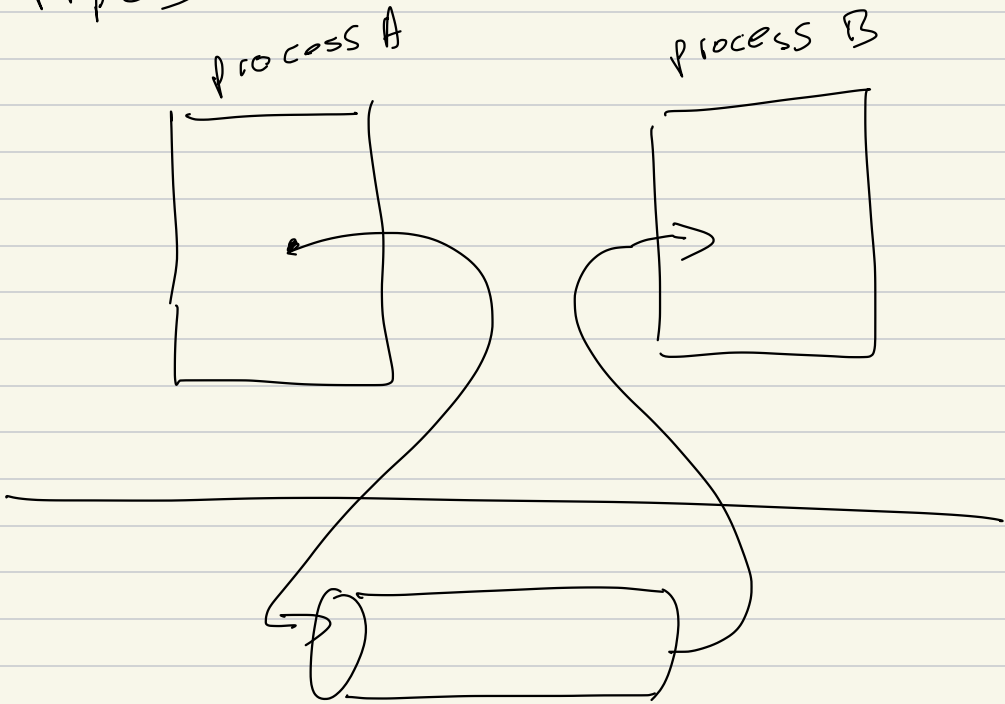
PCB



parent



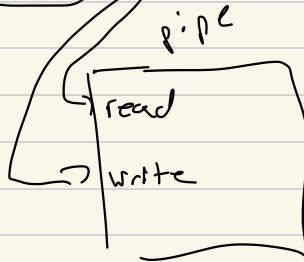
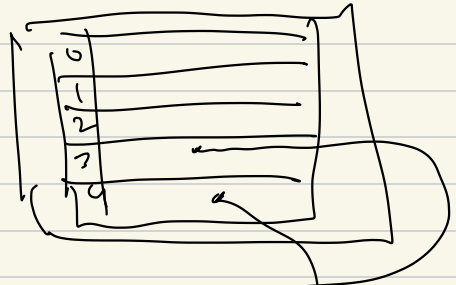
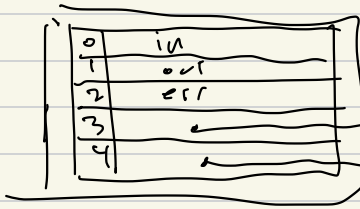
Pipes



Pipe

```
p[2]
pipe(p)
pc0 == 3
pc1 == 4
fork()
```

```
p[2]
pipe(p)
pc0 == 3
pc1 == 4
fork()
```



ex-pipe2

