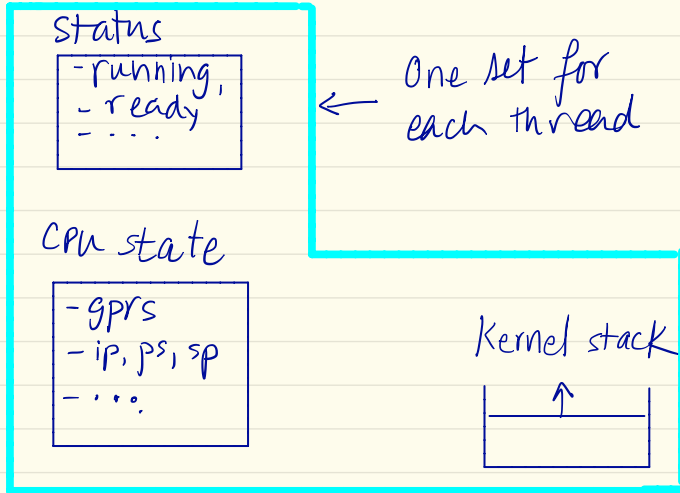
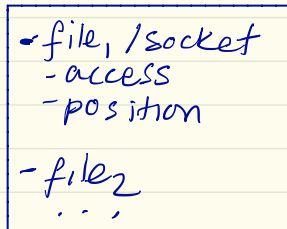


# PROCESS STATE

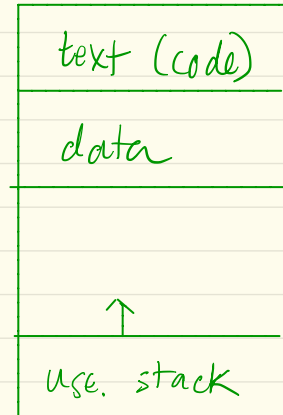
## KERNEL SPACE



## File (Io) state

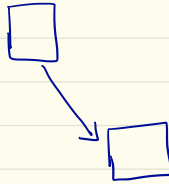


## USER SPACE



## TCB queues

- new queue



- ready queue

- run " "

- io queue

- terminated "

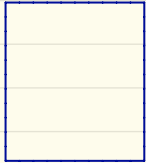
# Process A

# Process B

user space

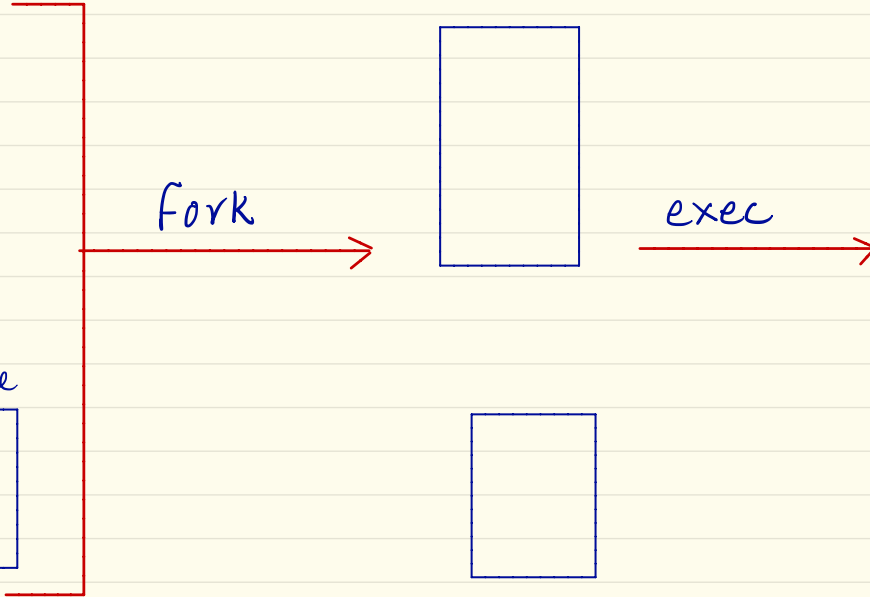
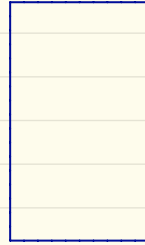


kernel space

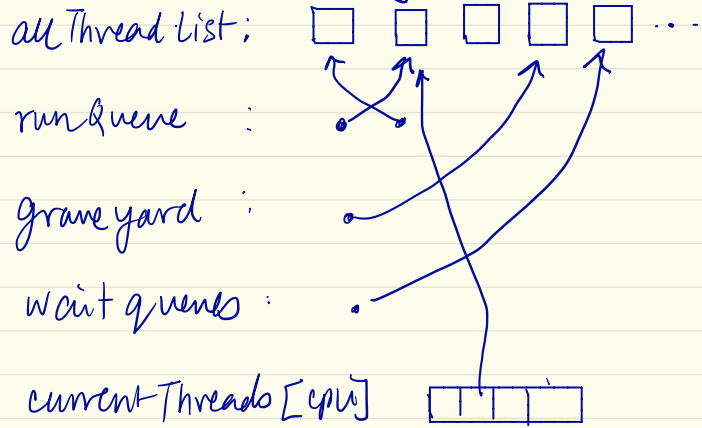
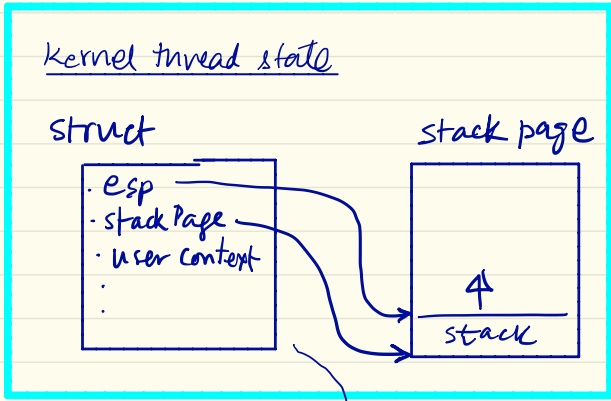


Fork

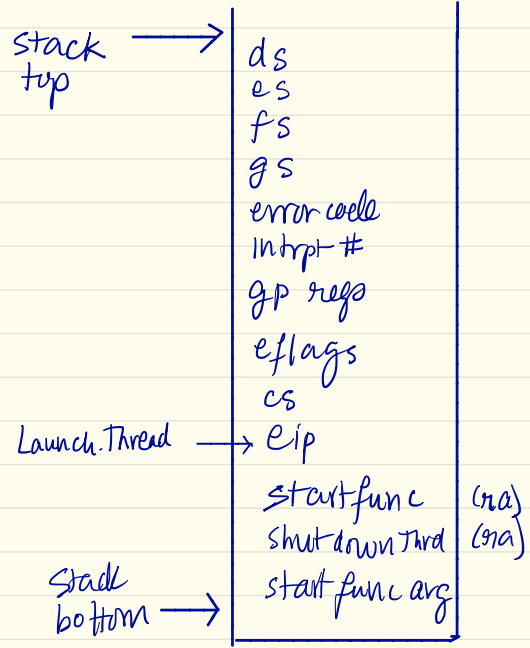
exec



# Geek OS : kernel thread



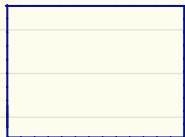
## Starting Kernel Thread



# Geek OS: User process

## Thread state

Kernel Thread  
struct



Kernel Thread  
stack page



User Context

- name
- ldt [0] - code segment
- ldt [1] - data segment
- ldt Descriptor
- memory
- size
- ldt Selector
- cs " "
- ds " "
- entry Addr
- arg Block
- stack ptr ..