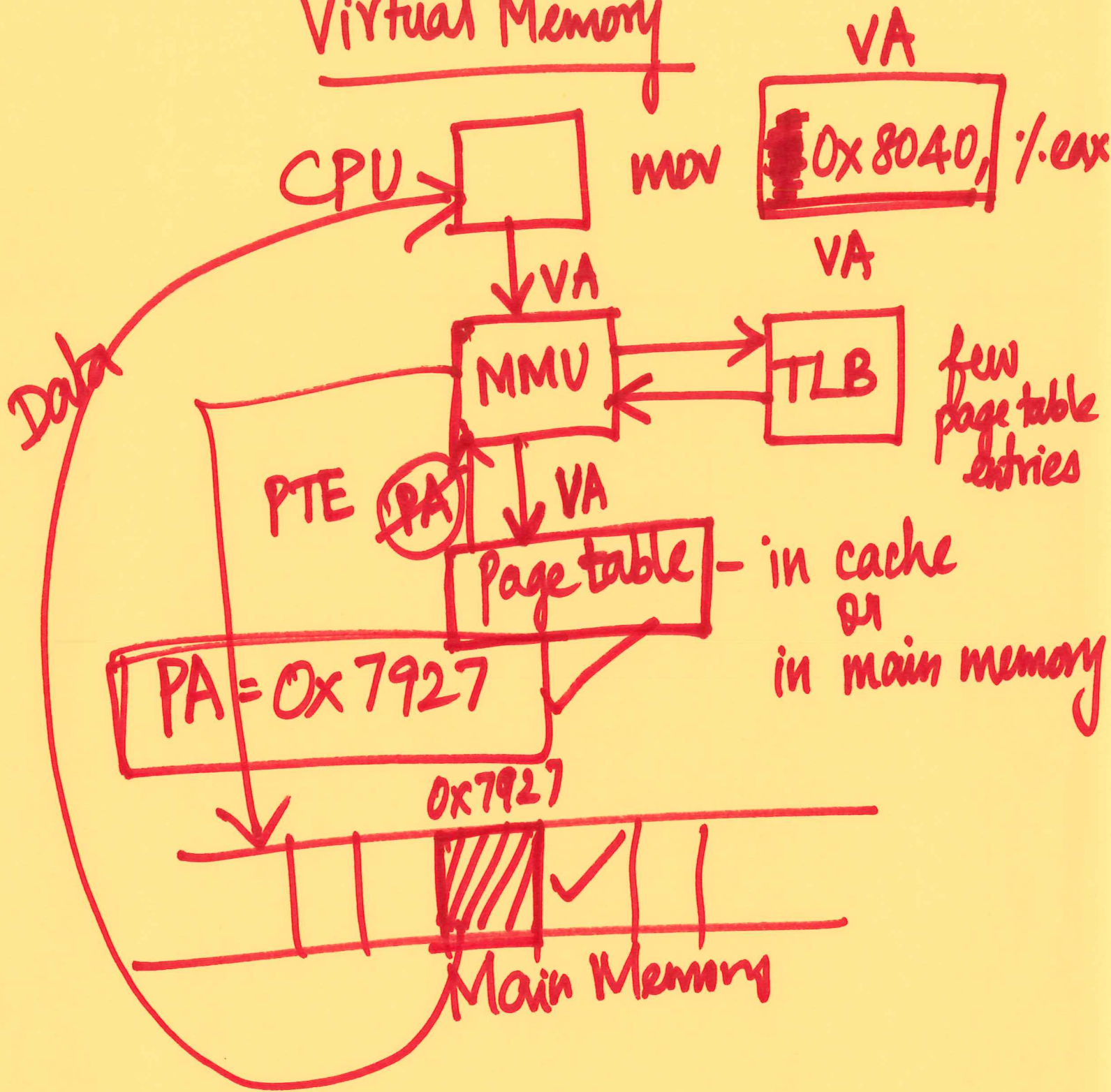


# Virtual Memory



# Exceptional Control Flow

User program

"Faults"

I<sub>curr</sub>

control transfer

OS routine

page fault  
exception handler

page  
fault

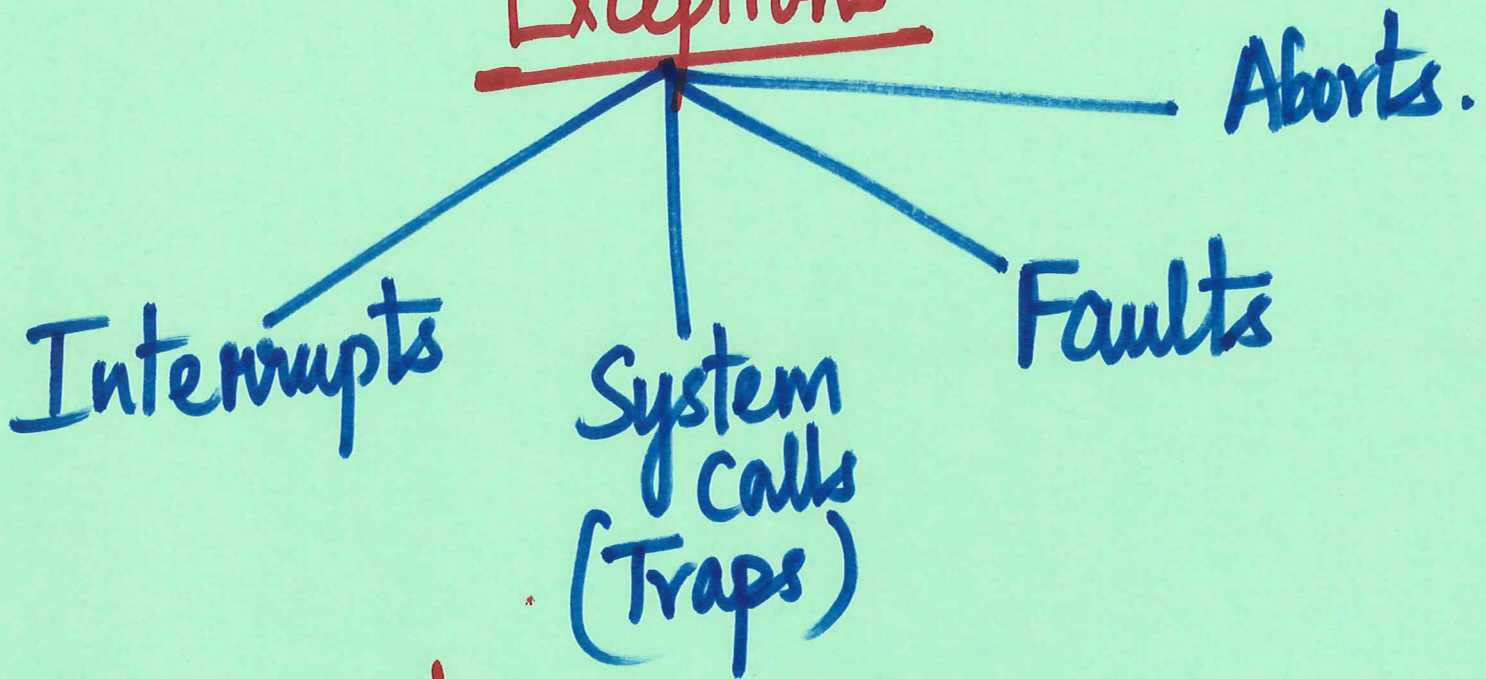
control transfer

I<sub>curr</sub>

(executed again).

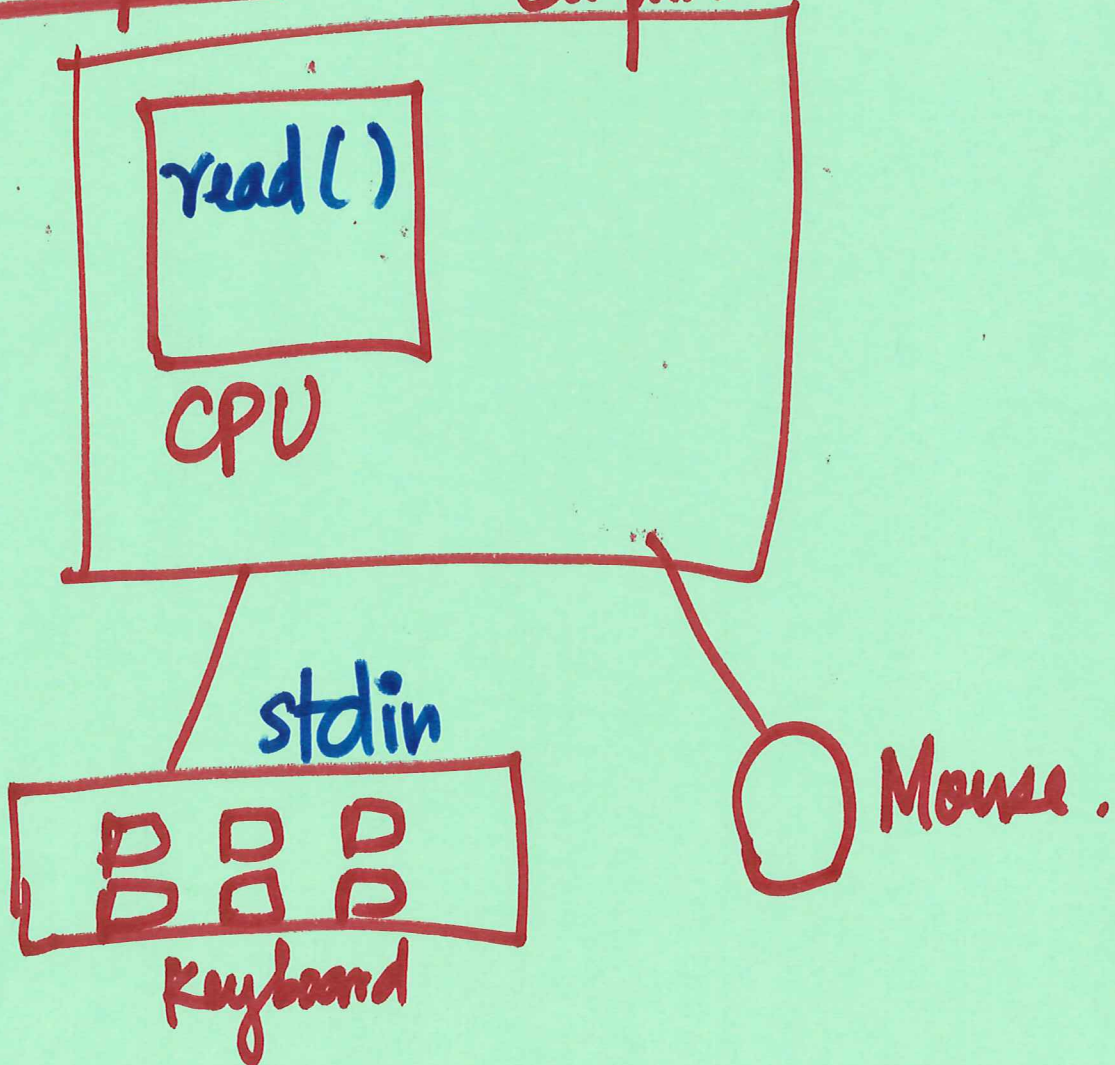


# Exceptions



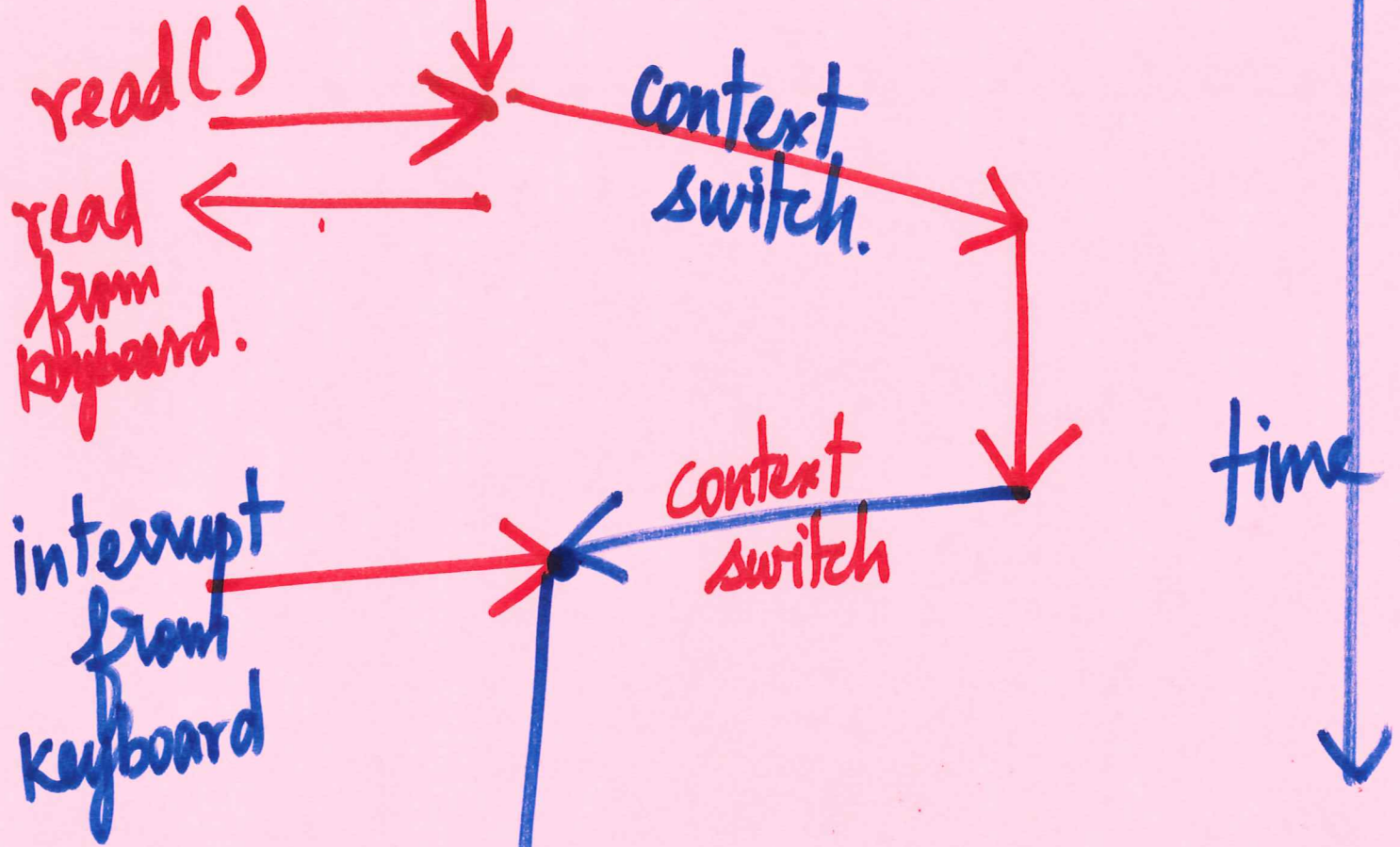
## Interrupt

## Computer



progA → Process A

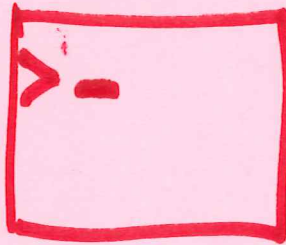
Process B



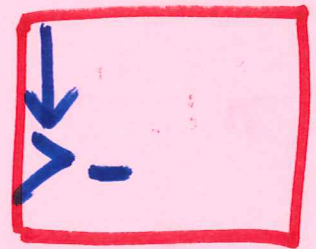
Process A

⋮

A

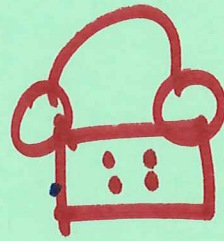
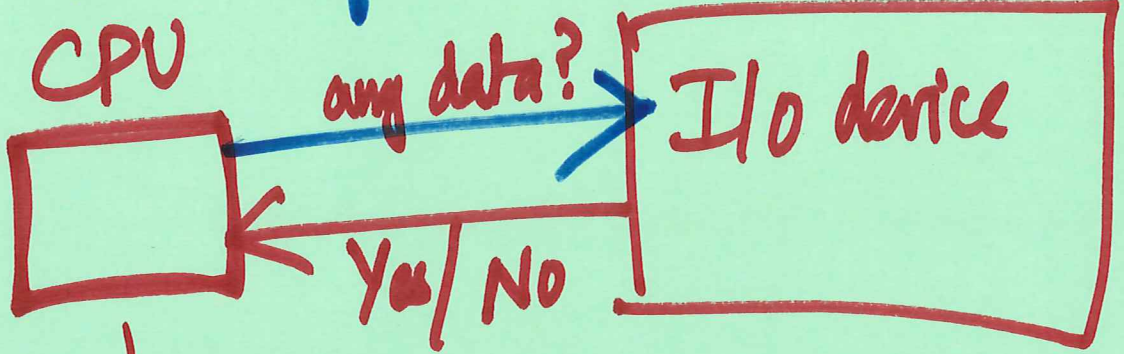


B



# Polling

After 10 ms



Ring

↓  
interrupt