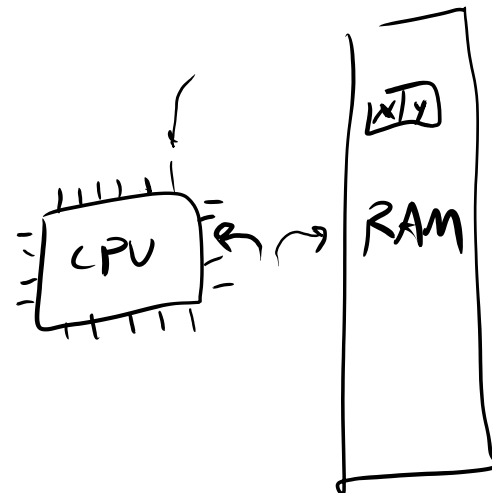
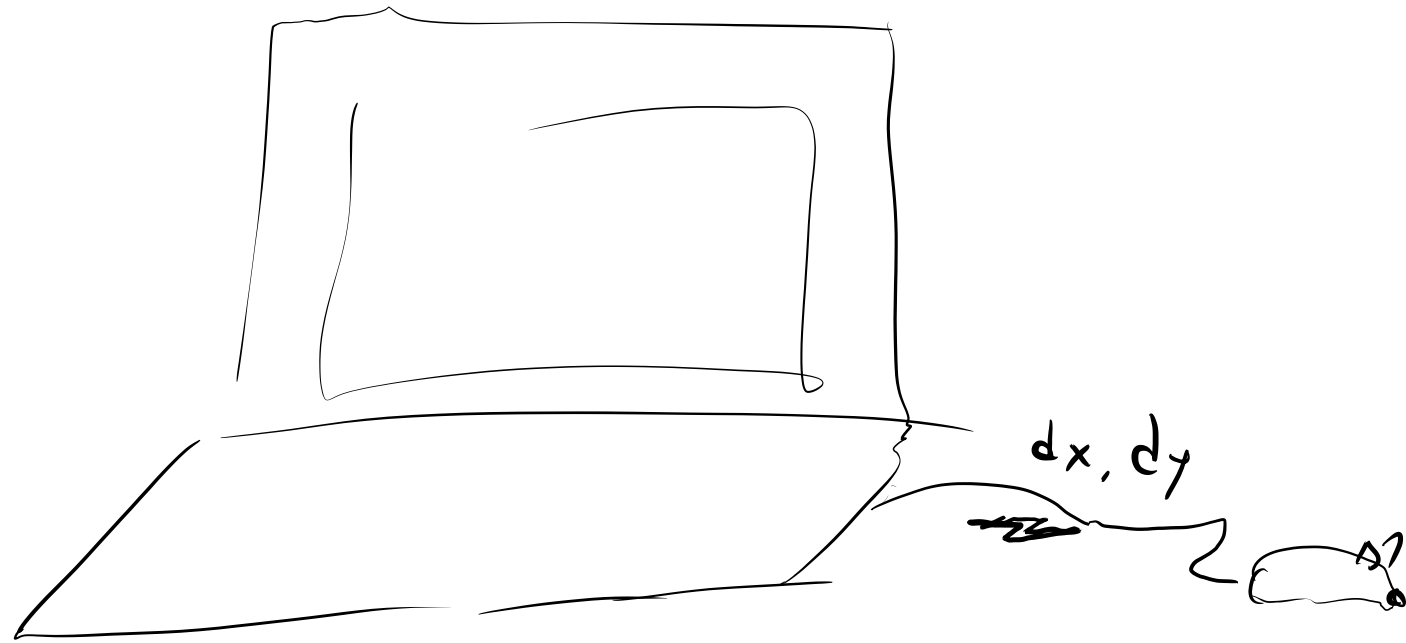
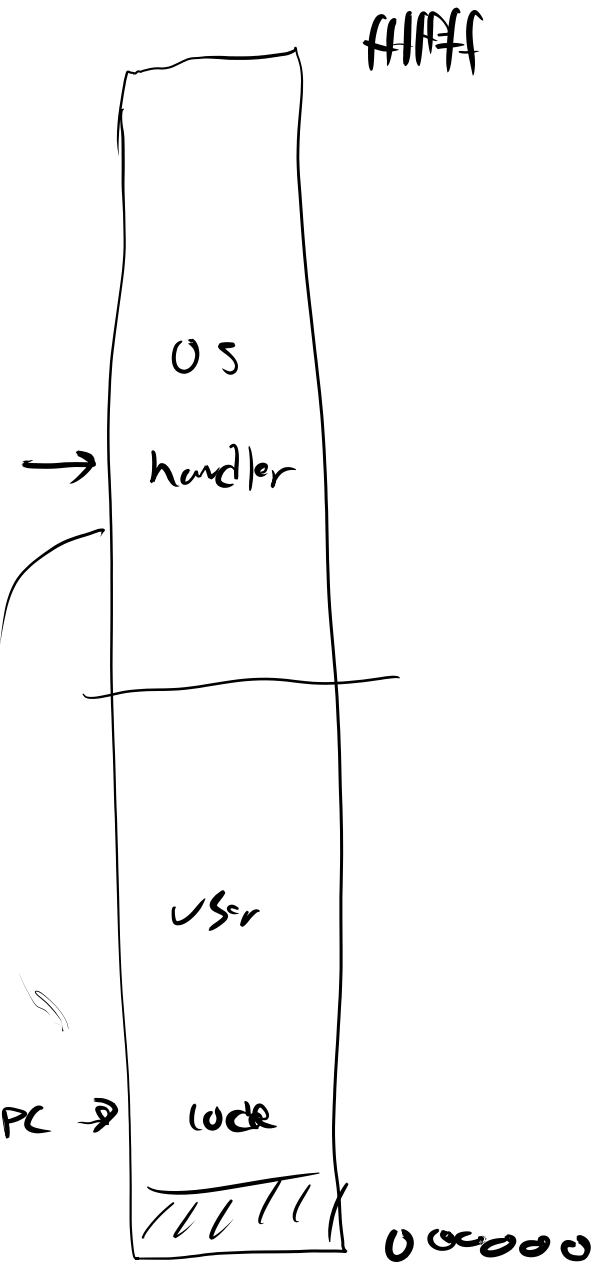


# Interrupts



Pulling  
Interrupt

Virtualize

$$\text{mov } 20(\%rbx), \%rcx$$

$$r(x) = M[20, rbx]$$

$$r(x) = M[\boxed{T}[20, rbx]]$$

with  $\Theta$  on board

each student

add in on ace & write 12 board

read board  $\rightarrow$  brain

add in brain

with QMS

$$0 + S_1$$

$$S_1 + S_2$$

$$S_1 + S_3$$

⋮

$$0 + S_1$$

$$0 + S_2$$

$$0 + S_3$$

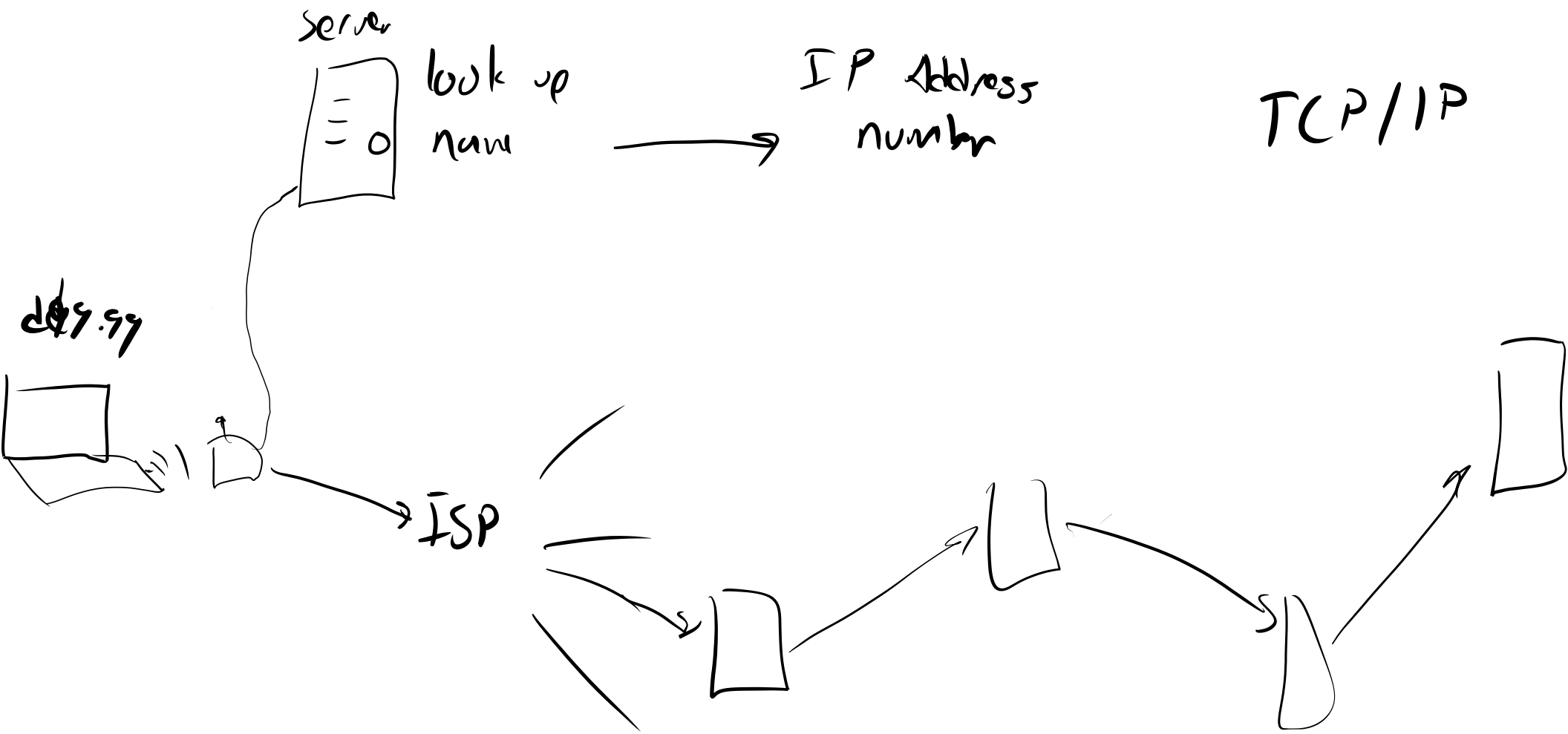
⋮

Sum of  
n numbers

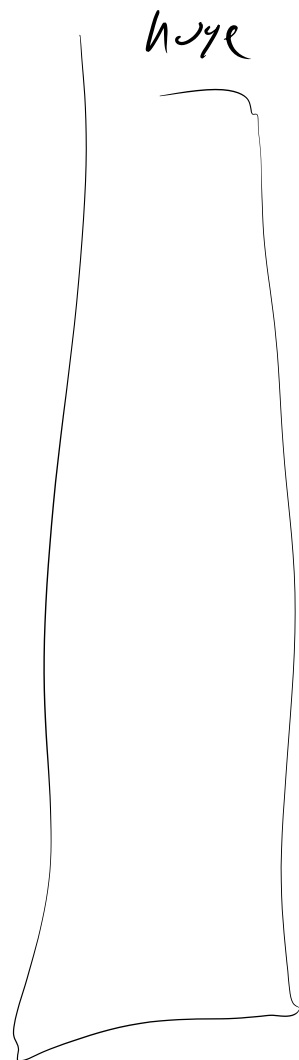
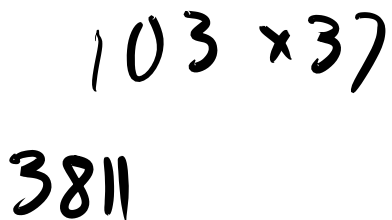
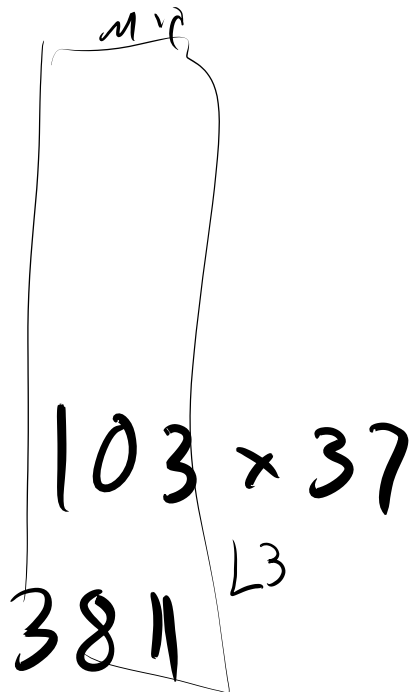
$$O(\lg(n))$$

Wait

70



TCP/IP



Memory access

HDD

SSD

DRAM

S RAM

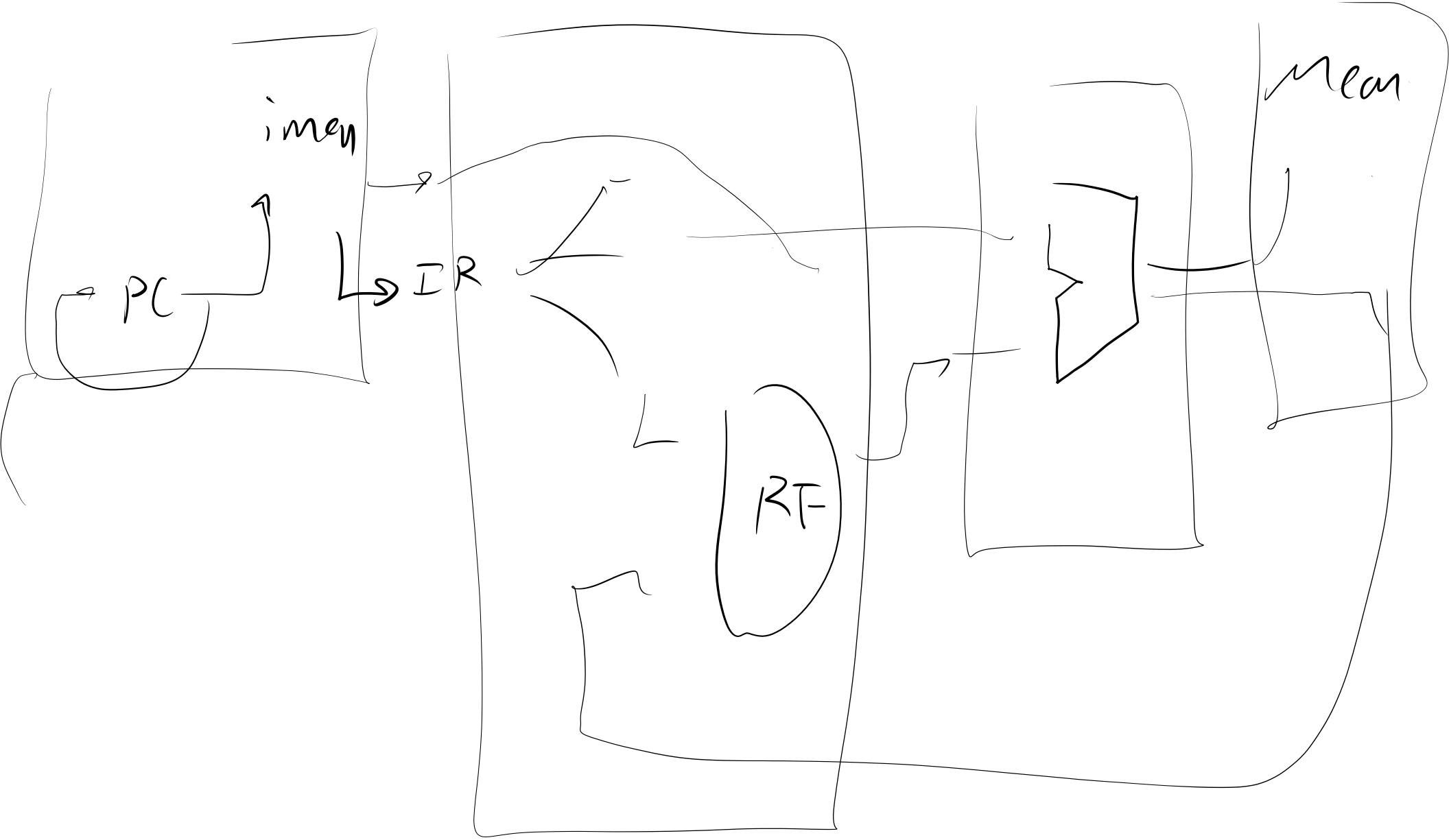
\$\$\$

fast

Cache

HW

memoize Algon





Henry Ford

Assembly line

