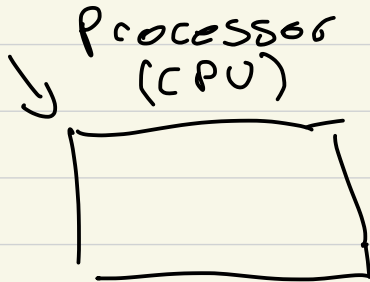


# CS 326-01 Code and Memory

Implementation



Registers  
(variables)

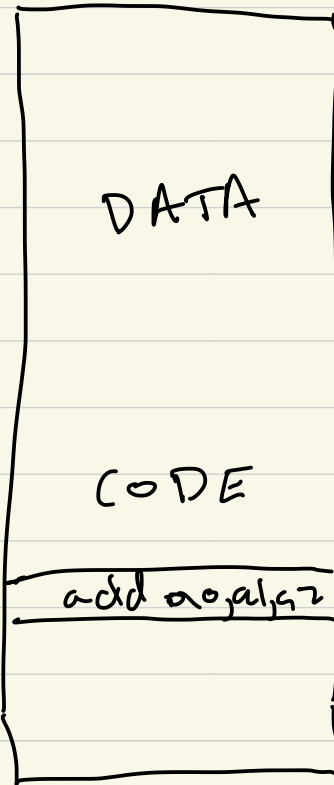
PC

program  
counter

pointer  
(address)

RAM

array of  
bytes



Machine  
code

Like the processor

3 types of  
instructions

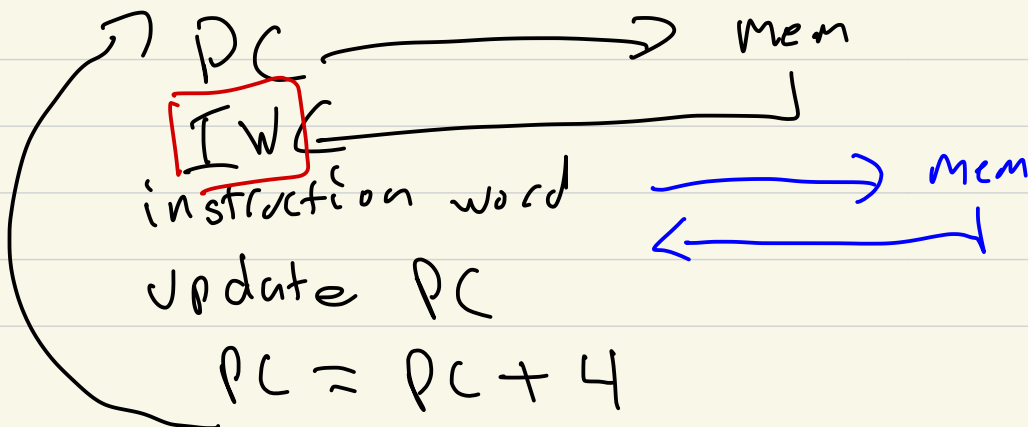
Data

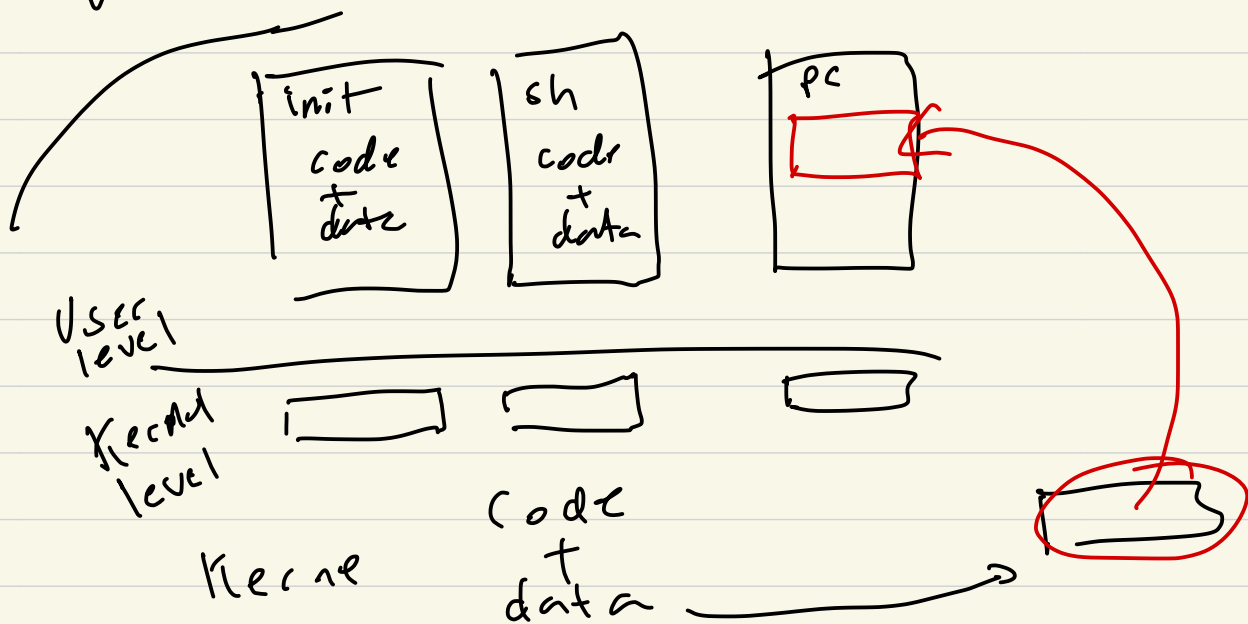
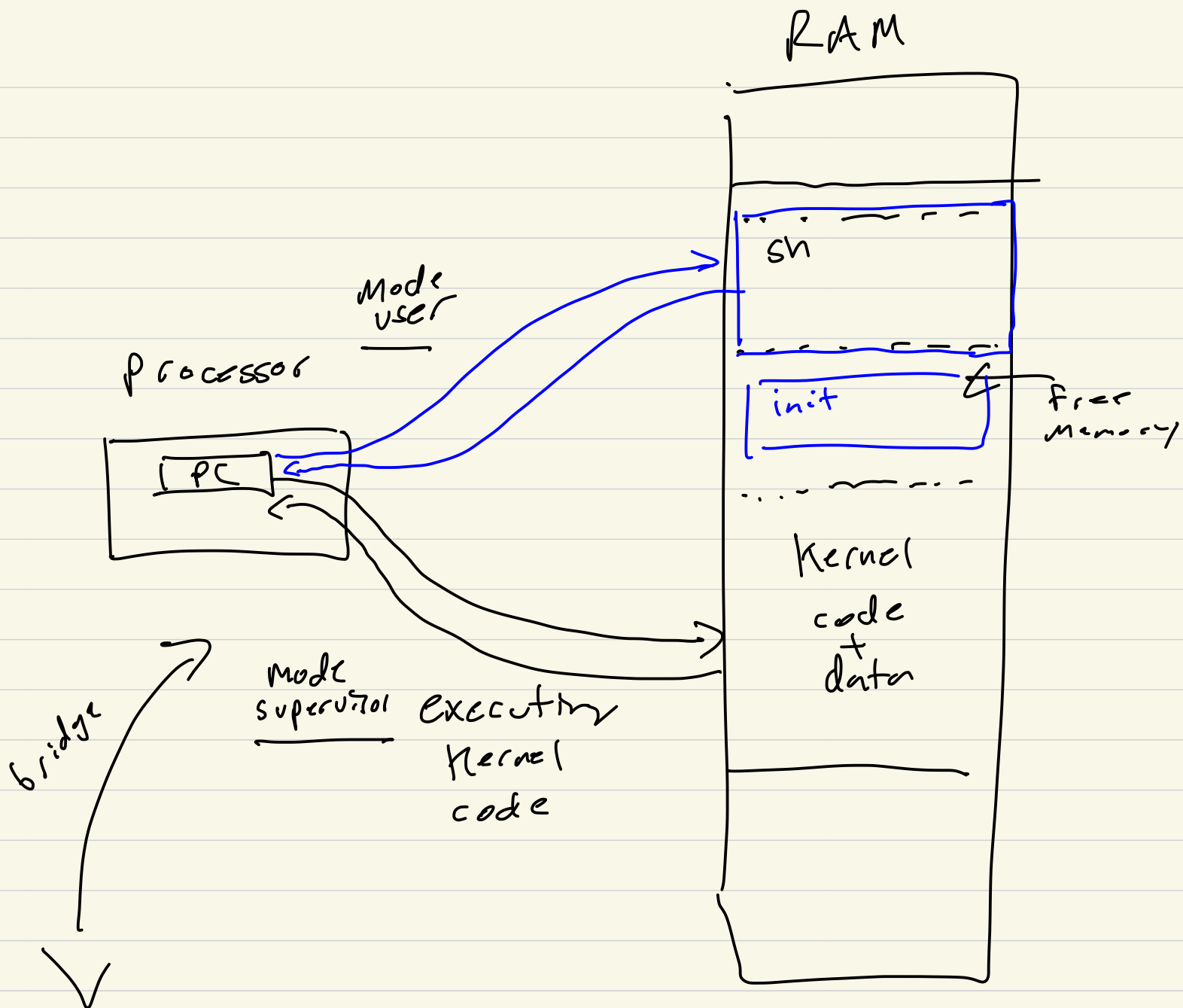
Memory

Control

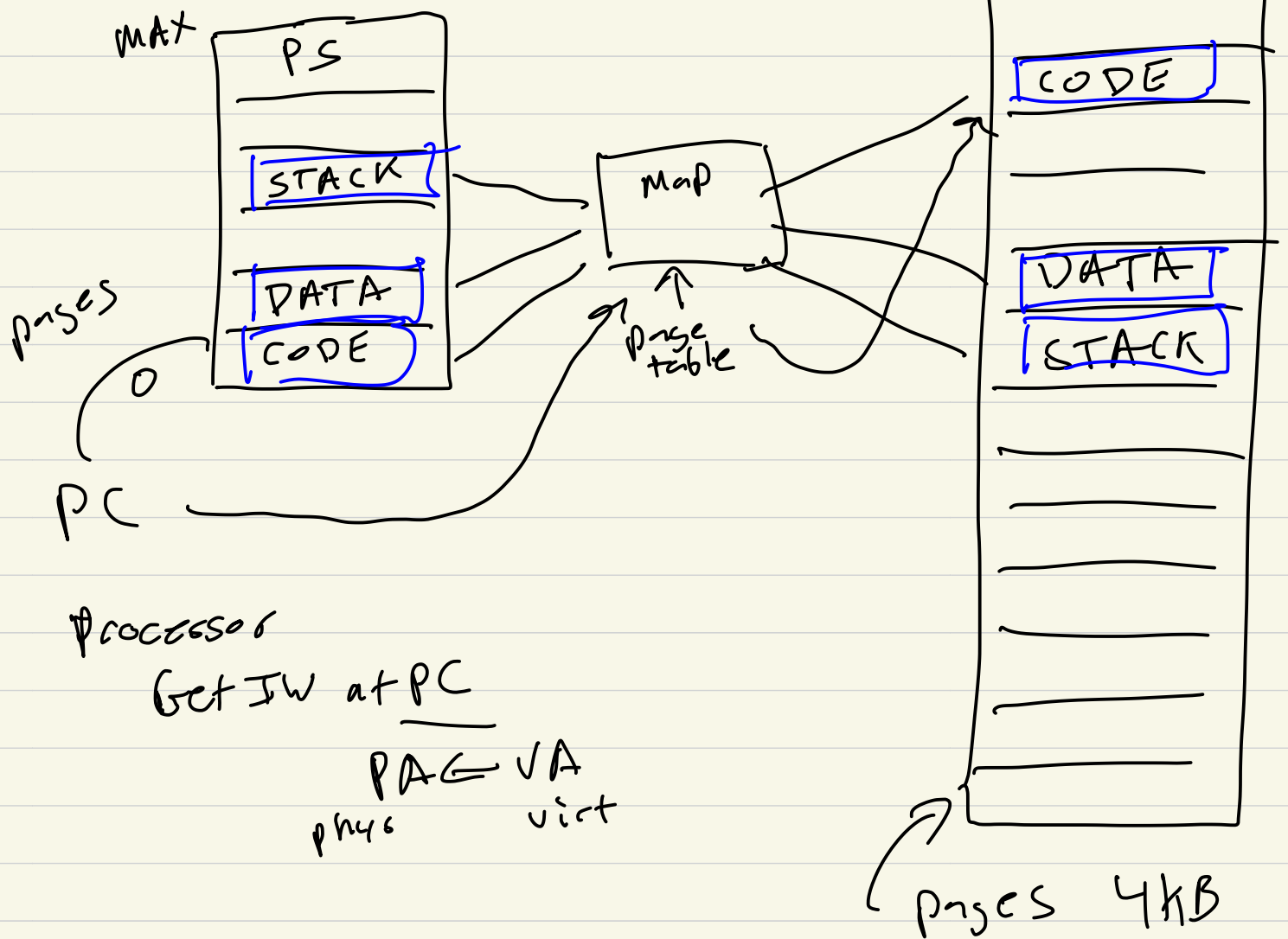
(special)

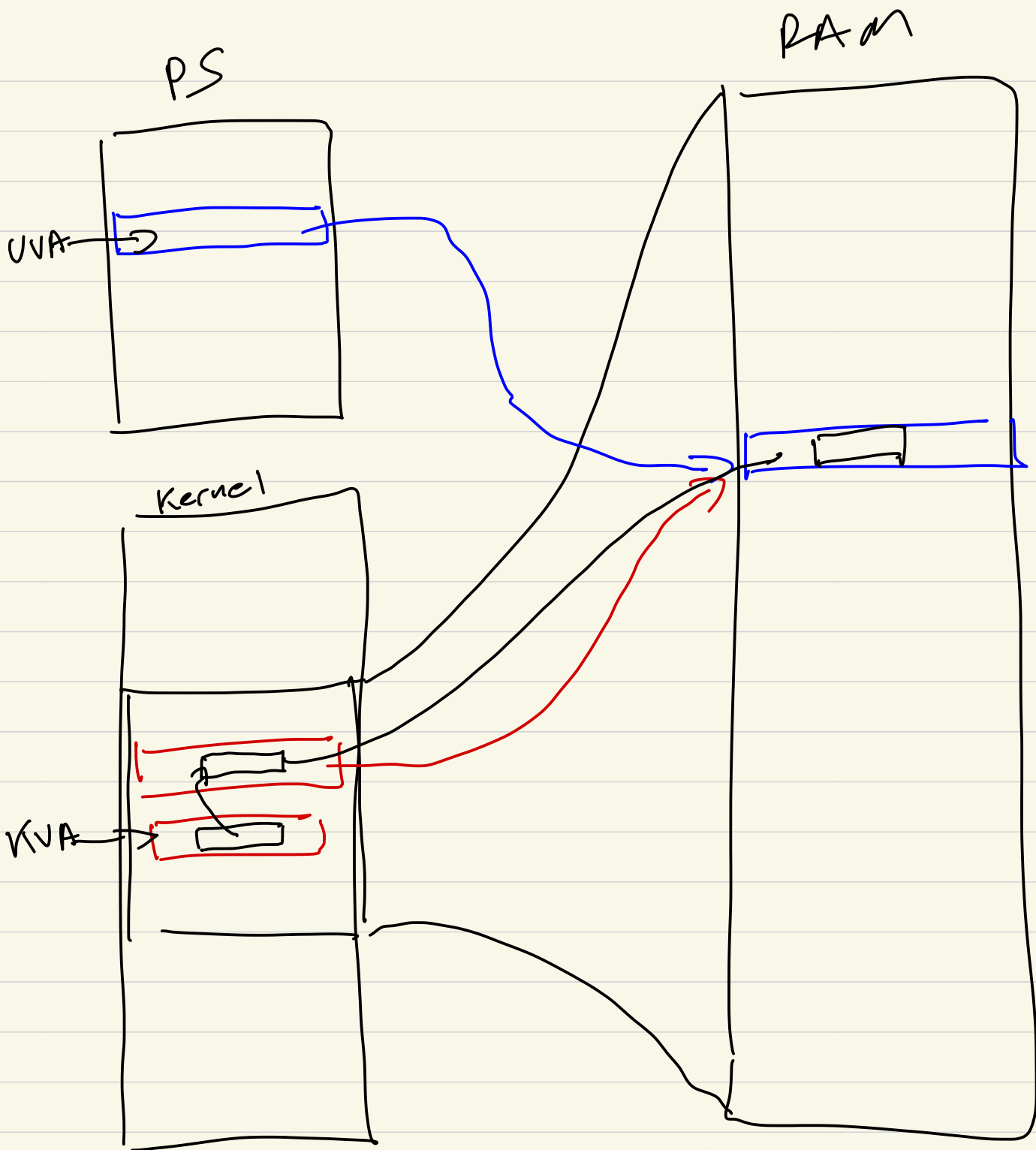
Get instruction





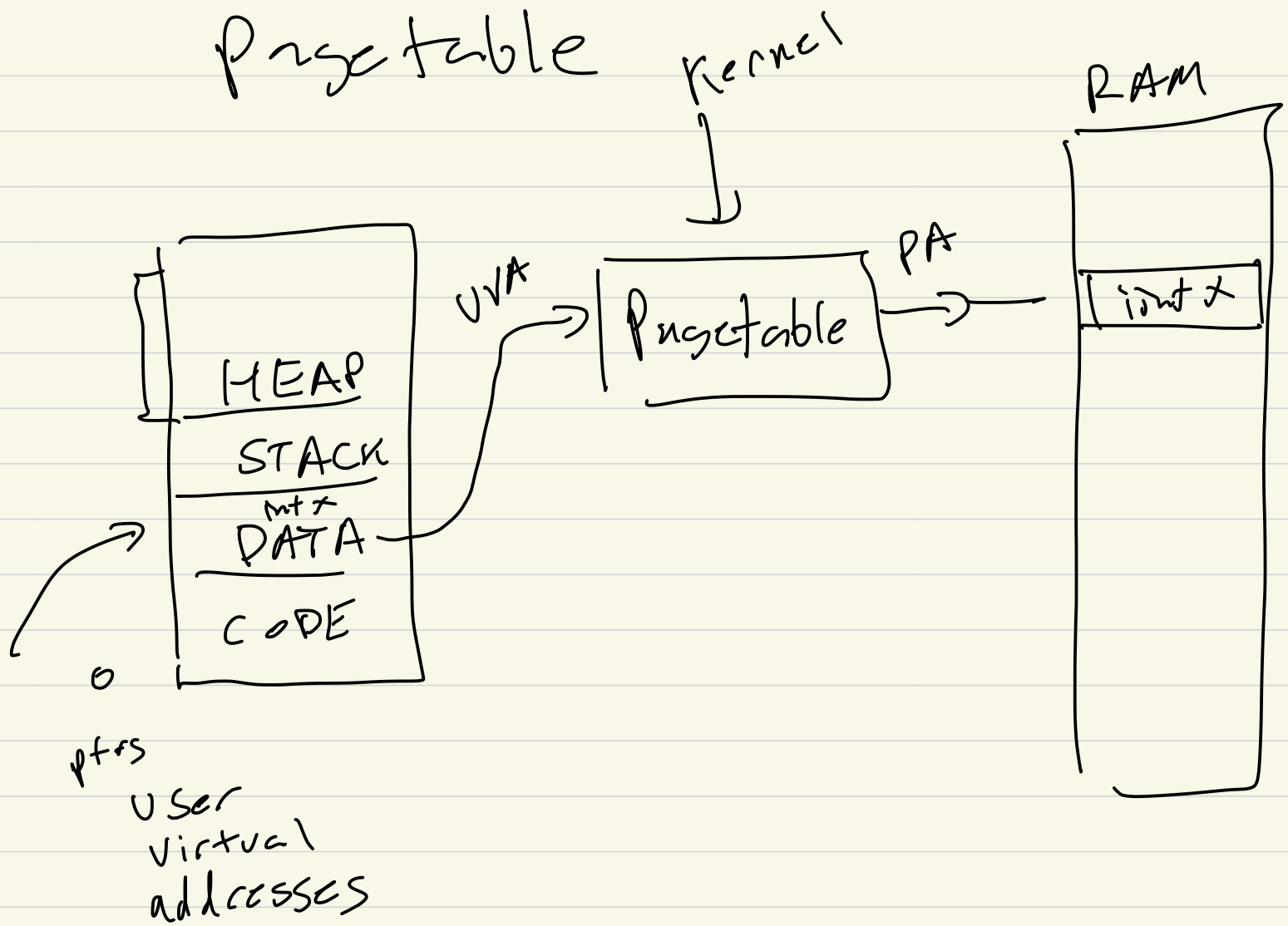
# Virtual Memory pagetable





copyout(<sup>myproc()</sup>pagetable, UVA, KVA, size)

# Pagetable

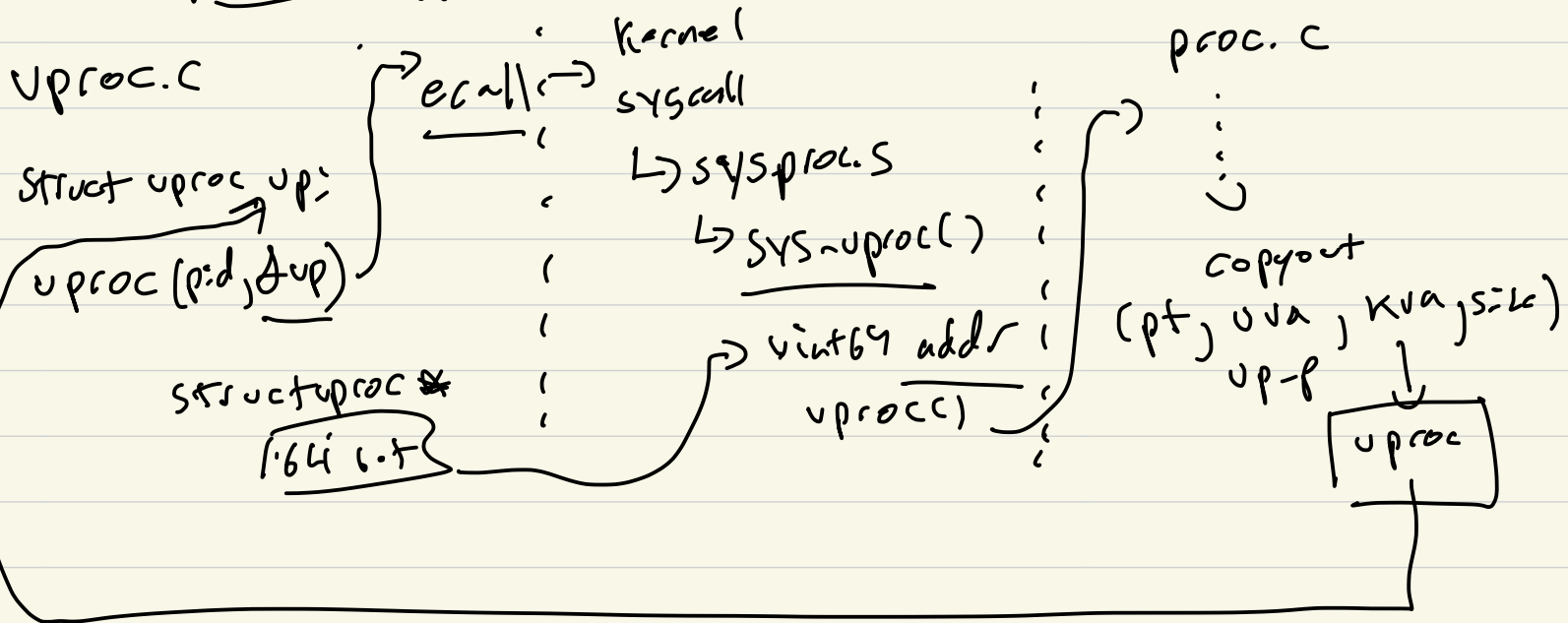


uproc.c

```
struct uproc up;
```

```
uproc(pid, &up)
```

User address space : Kernel space



## Interrupts

