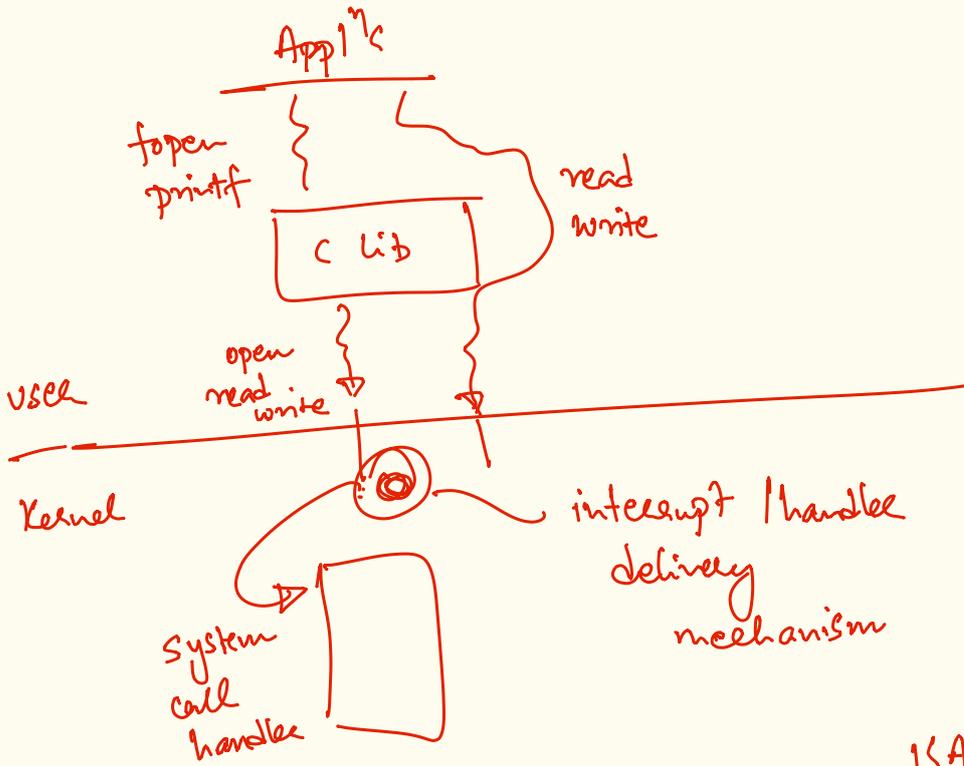


today afternoon
2pm.

the system call mechanism.



- 1) invoke a system call
- 2) s/w privileges
- 3) store context
- 4) find the interrupt handler
- 5) find the system call handler
- 6) how to pass arguments

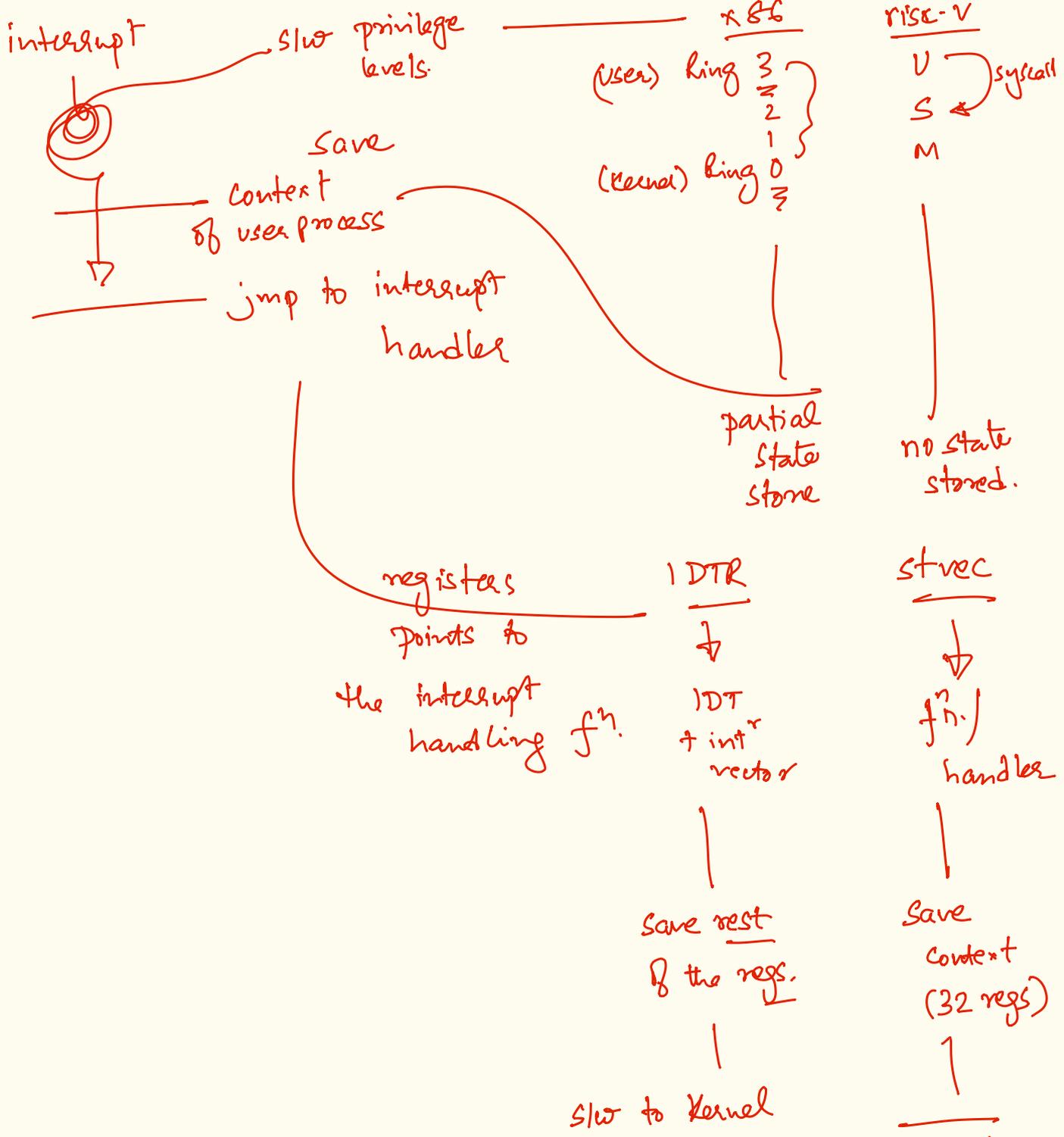
ISA - specific

<u>x86</u>	<u>RISC-V</u>
INT <u>0x80</u>	ecall
syscall	<u>scause</u> ↑ register

interrupt vector

8

system call interrupt vector



handle the interrupt.

(i) identify the interrupt

(ii) w/ system calls need to identify the system call

x86 → store syscall number is regs. eax

riscv reg a7