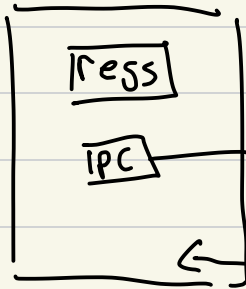
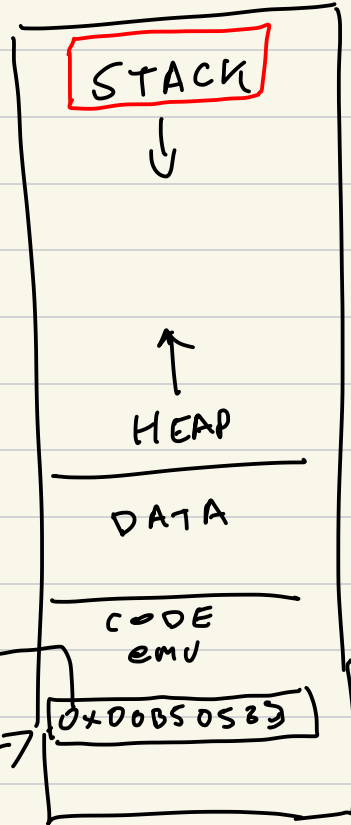


CS631-01 RISC-V Emulation

RISC-V Processor

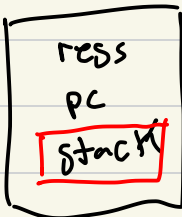


Memory



RISC-V Emulation (code)

struct



processor state

RISC-V Emulator Implementation

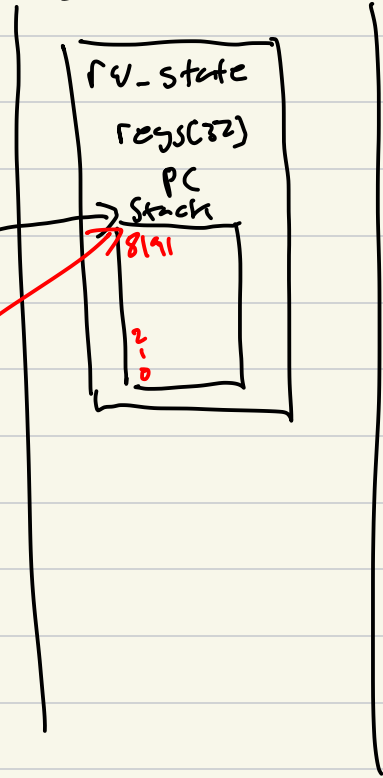
Incremental approach

- ① Identify an instruction ADDI
- ② Identify instruction format
i-type
- ③ Implement of add to current implementation
- ④ Decode IW
get fields
- ⑤ Construct an immediate
from IW
- ⑥ Updating state
update rd
update memory
update PC

init stack

emulated
SP

STACK



new instruction formats

immediates

jump and branches

memory

