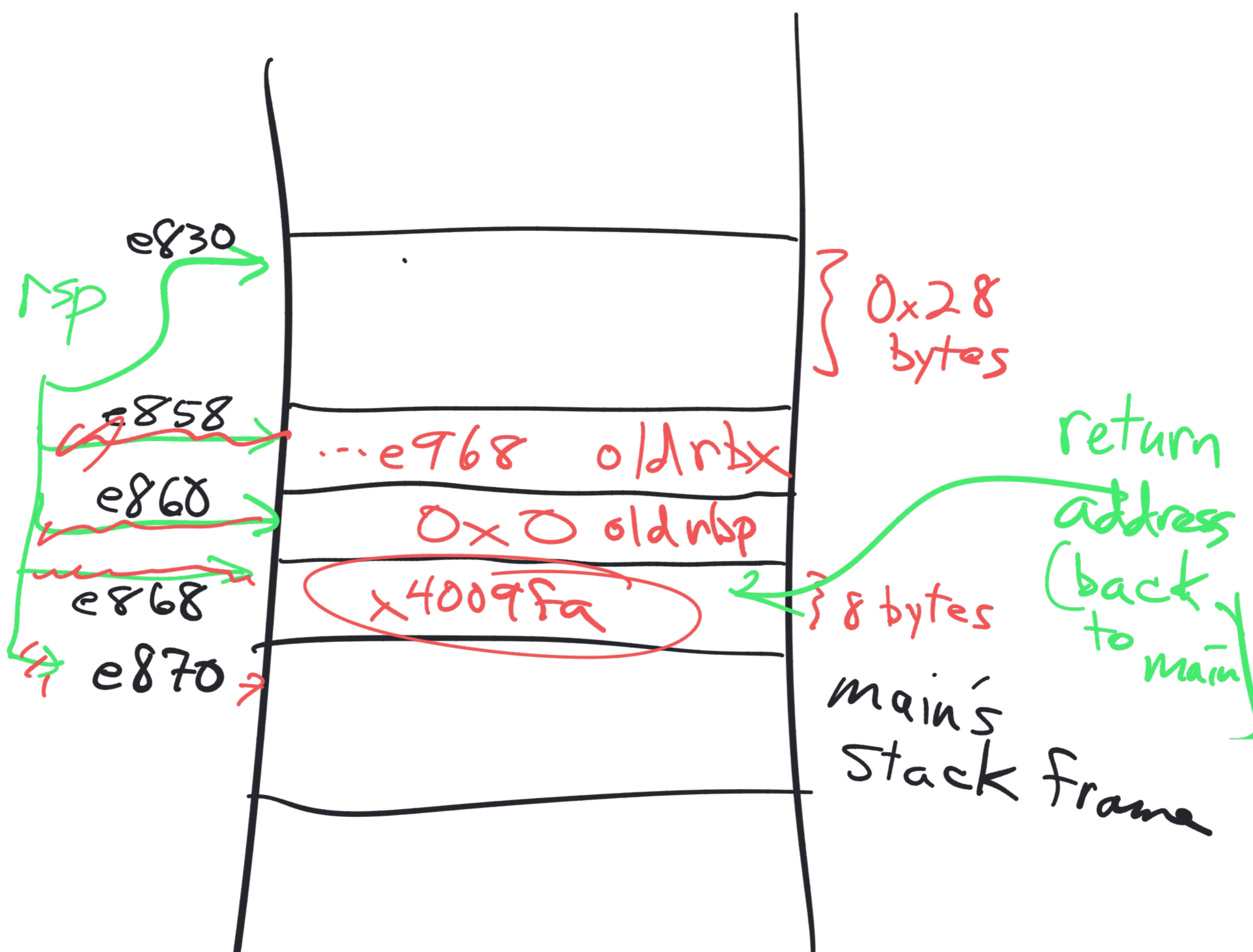


CS208

Wed, 25 Oct 2023





end of func

`add $0x28, %rsp`

`pop %rbx`

`pop %rbp`

`retq`

main's stack frame

retq

1. pops top 8 bytes
(return address)

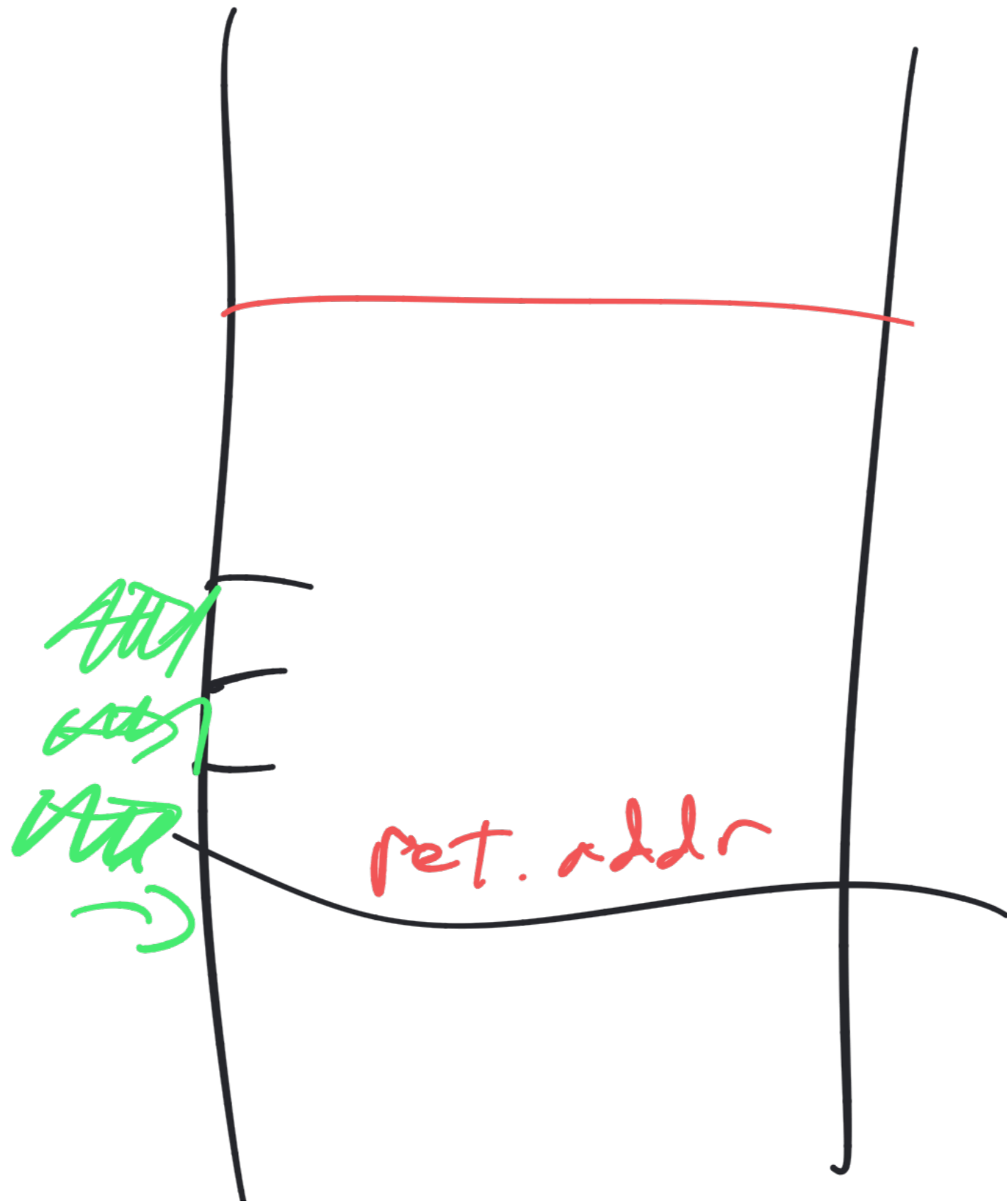
into %rip

(changes both rip and rsp)

callq phase_2 (0x400ade)

1. push rip ← modifies
rsp
"return address"
(address of the instr.
right after callq)

2. set rip to
dest. address (0x400ade)



sub
push
push
call
↓
add
pop
pop
ret