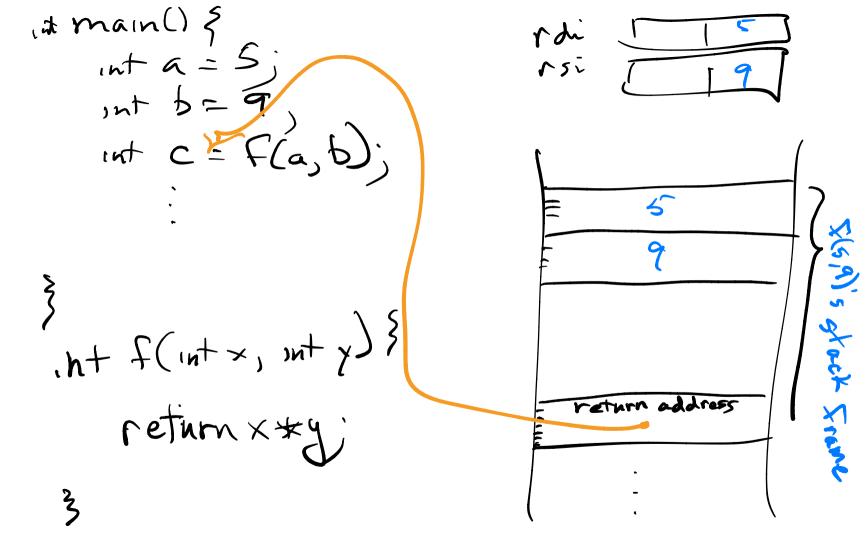
## C5208

M, 12 Feb 2024

Call a function main } f(a, b)

int a = 5; int b = 9; int c = F(a,b); , h+ f(in+x, in+x)} rsi rax return x\*y;



ARM, Motorda, RISC " program counter" Registers of interest "instruction pointer" rip address of next instruction rsp address of top of the stade "Stack pointer" (Sust after cally in main, rbp [

pop Otakes an 8-byte chunk from top of stack.
Call it A
Oadds 8 to 15P 3 Sets rip to A jump to address A

calla Pusk (1) Set rip to next instruction ret. 2 Push rip address rsp = rsp - 8 \*rsp = rip (3) Set rip to destination jump address (ie., addr of terfunction the function we're calling)