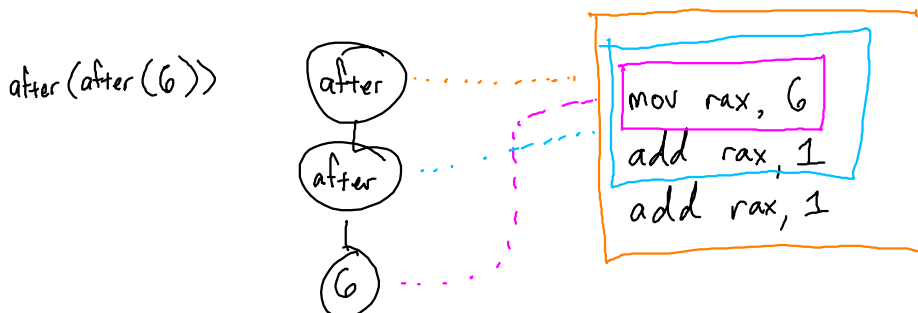
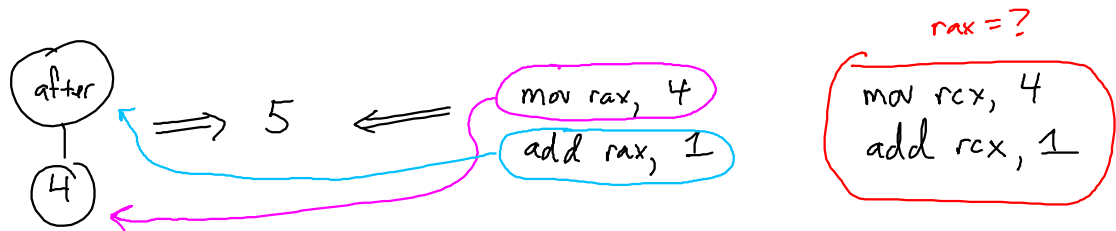


let rec compile_expression (e : expr) : instruction list =

instructions always leave answer in rax



let a = 4 in
 let b = after(5) in
 before(a)

ELet("a", EInt 4,
 ELet("b", EAfter(EInt 5),
 EBefore(EVar "a")))

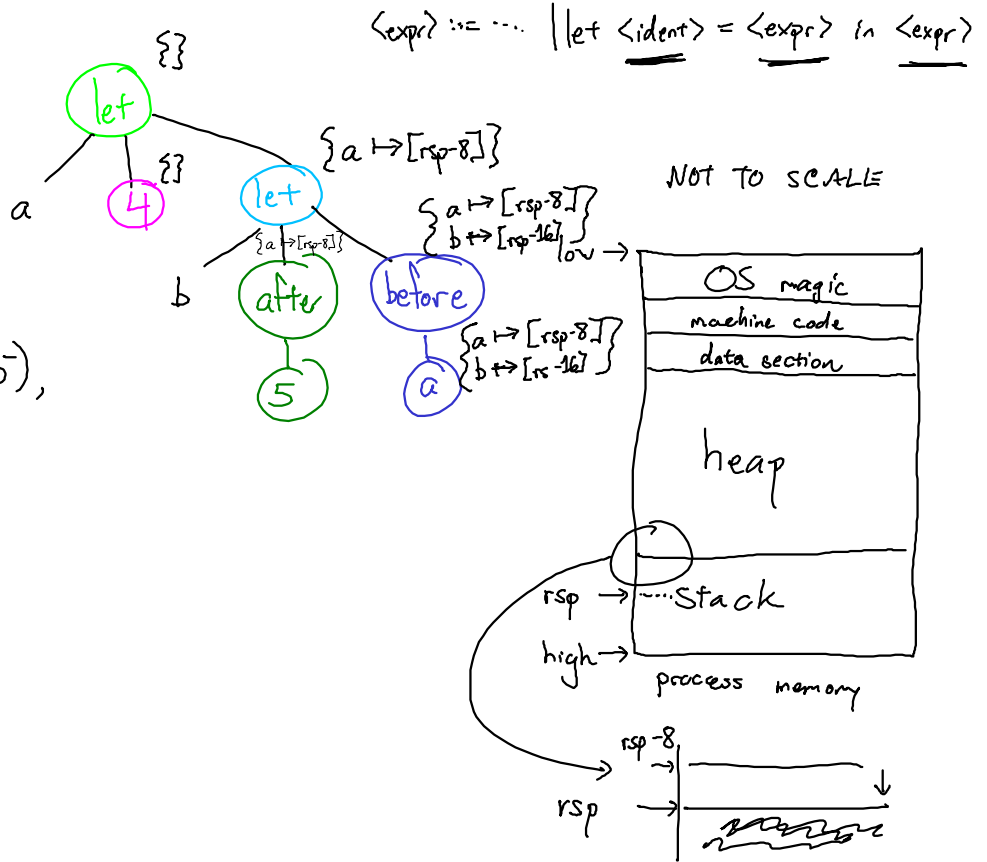
mov rax, 4

mov [rsp-8], rax

mov rax, 5
 add rax, 1

mov [rsp-16], rax

mov rax, [rsp-8]
 sub rax, 1



let rec compile_expression (env: environment) (e: expr) : instruction list =

(dict [varname $\mapsto$ loc], int)

next free offset of stack

empty ($\{\}$, -8)