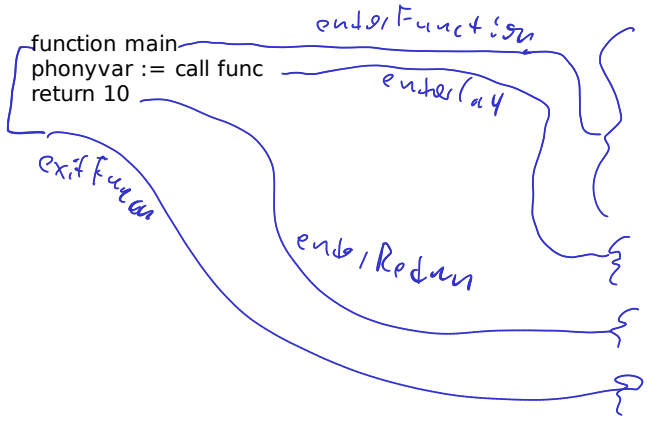
compile-time

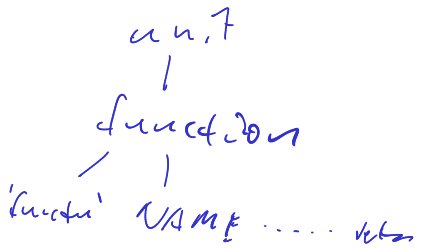



```
.globl main
.type main, @function
main:
  pushq     %rbp
  movq      %rsp, %rbp
  push      %rbx

  call func

  mov $10 %rax

  mov %rbp, %rsp
  pop %rbp
  ret
```

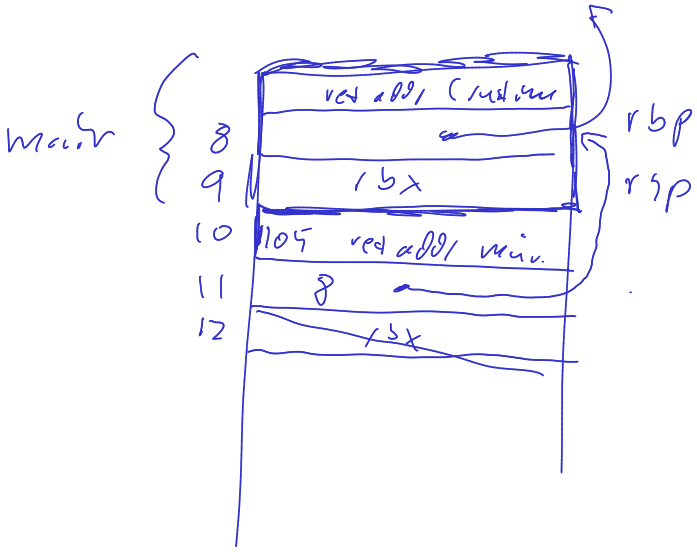



```
function func
return 5
```

runtime

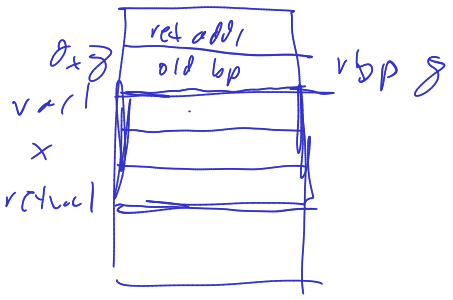
```
        .globl main
        .type main, @function
main:
        pushq       %rbp
        movq        %rsp, %rbp
        push  %rbx
        call    func
        mov  $10, %rax
        mov  %rbp, %rsp
        pop   %rbp
        ret
```

104
105 →




```
        .globl func
        .type func, @function
func:
        pushq       %rbp
        movq        %rsp, %rbp
        push  %rbx
        mov  $5, %rax
        mov  %rbp, %rsp
        pop   %rbp
        ret
```

rax 5



symbol	offset
var1	-8
x	-16
retval	-24