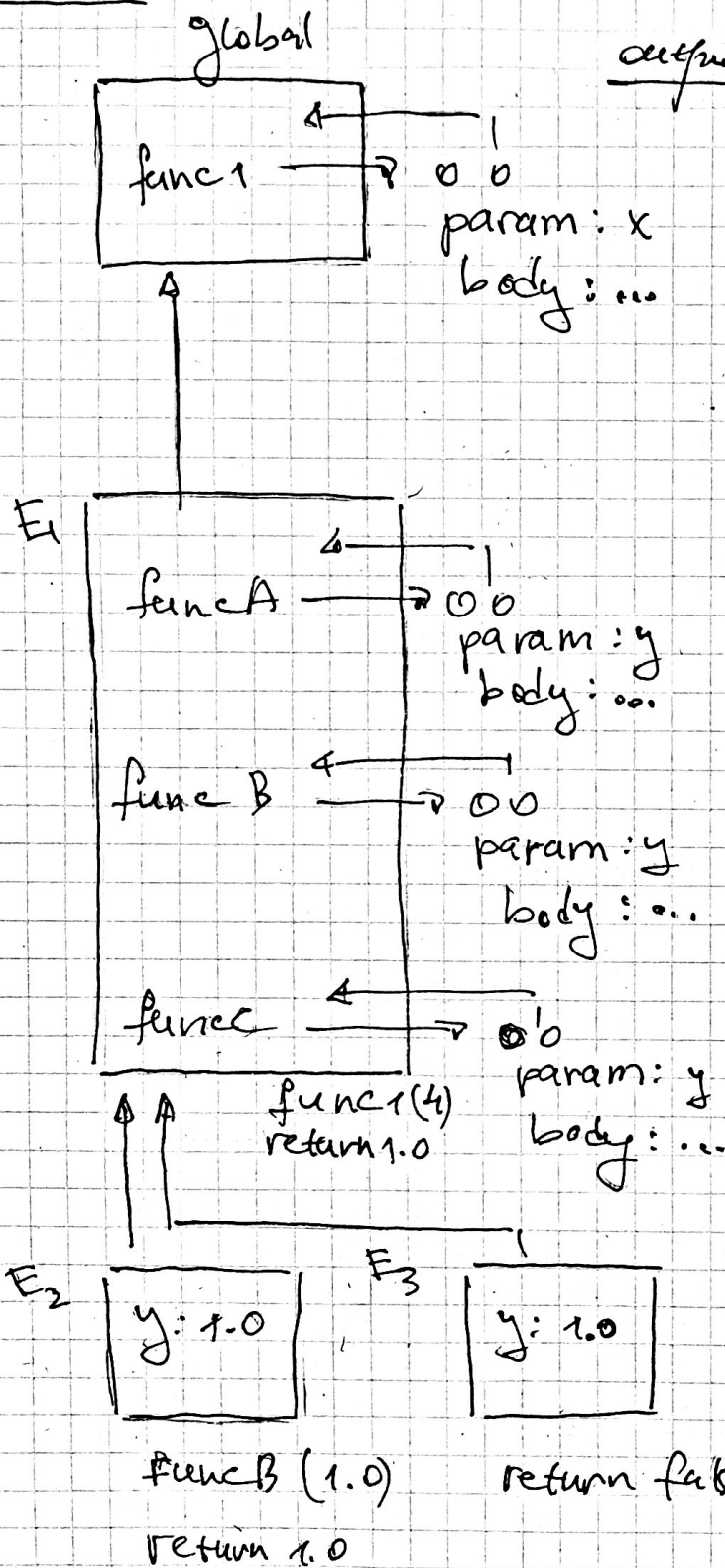
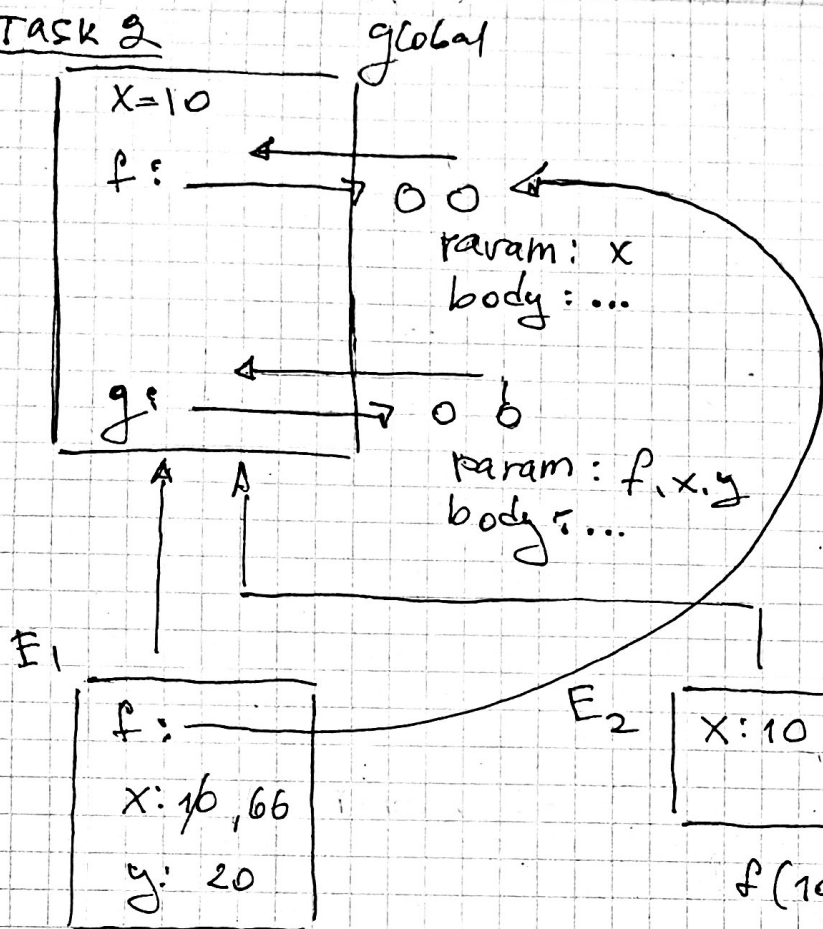


task 1

output 1.0



Task 2



def $f(x)$

return $2 * x + 3$

let $g(f, x, y)$

$x = f(x) + f(y)$

return x

$x = 10$

$g(f, x, x * 2)$

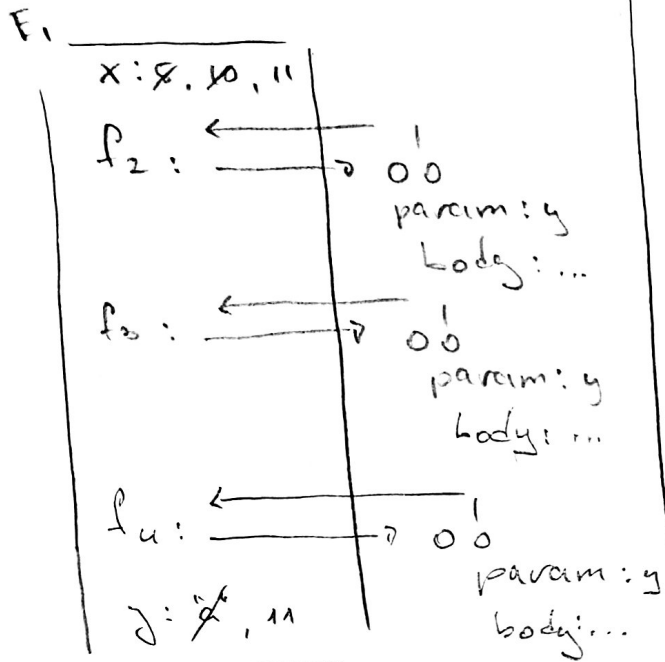
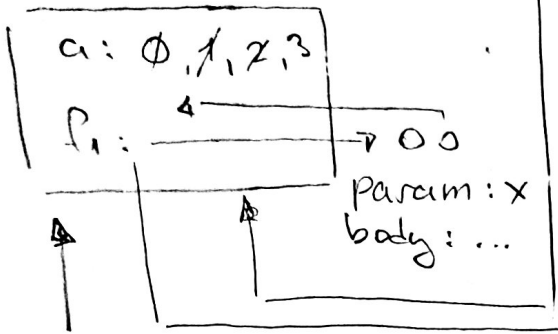
$f(10)$: return 23

$g(f, 10, 20)$: return 66

output 66

Task 3

global



E5

x: 10, 20

f1:

f3:

f4:

y: 22

param: y
body: ...

param: y
body: ...

param: y
body: ...

E6

y: 10

f2(10)

return true

E7

y: 20

f3(20)

return 22

E8

x: 8, 10, 11, 12

f2:

f3:

f4:

y: 11

param: y
body: ...

param: y
body: ...

param: y
body: ...

f1(5, 10)

E2: y: 5

f2(5)

return true

E3

y: 10

f3(10)

return 11

E4

y: 10

f4(10) return 21

E11

y: 10

f4(10) return 21

E12

y: 10

f4(10)

return 22

E9

y: 5

f2(5)

return true

E10

y: 10

f3(10)

return 13

Output

a = 1, x = 0, y = 1

a = 2, x = 20, y = 22

a = 3, x = 10, y = 13

21

22