

g ()
b = 3

↑ return 6

f ()

a = 5

↑ ~~g(3)~~ → 6
return ~~6 + f~~ → 7

main

~~f(3)~~ → 7

$$x = * 2$$

$$y = 2$$

$f()$

$$x = 1$$

$$y = g(f?)$$

~~$return(x)$~~

~~$return(y)$~~

$g()$

$$x = 2$$

$return 2$

f()

x = 1

y = g(x) → 2

print(x) → 1

print(y) → 2

g()

x = 2

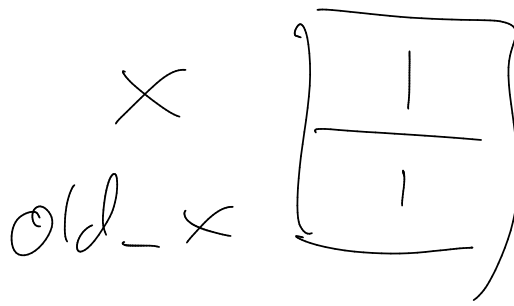
return x →

f()'s x

g()'s x

f()'s y

1
2



$f(3)$

old_x = 3

x = 2

$f(2)$

old_x = 2

x = 1

$f(1)$

old_x = 1

x = 0

$f(0)$

return 1

recursion

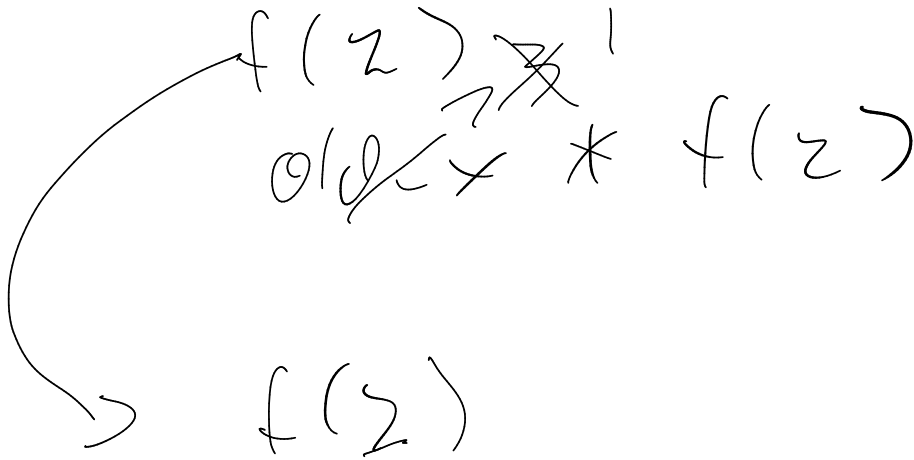
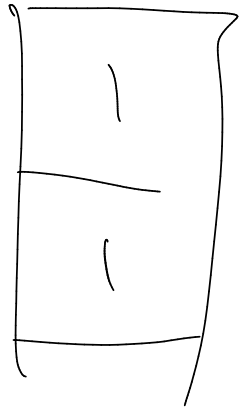
$f(3)$

$old_x = 3$

$x = 2$

old_x

x

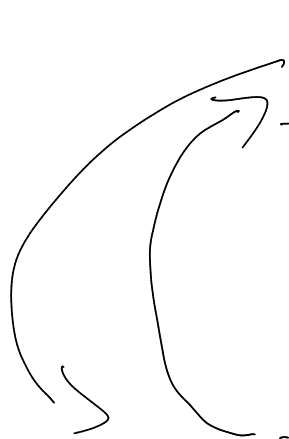


$old_x = 2$

$x = 1$

~~$f(1)$~~

~~$old_x * f(1)$~~



$f(1)$

$old_x = 1$

$x = 0$

~~$f(0)$~~

~~$old_x * f(0)$~~

callid

$f(3)$

$x = 3$

$old_x = 3$

$x = 2$

~~$f(2) \rightarrow 2$~~

~~$f(2) * old_x = 6$~~

$f(2)$

$x = 2$

$old_x = 2$

$x = x - 1 = 1$

~~$f(1) \rightarrow 1$~~

~~$f(1) * old_x = 2$~~

~~$f(1) \rightarrow 1$~~

$x = 1$

$old_x = x = 1$

$x = x - 1 = 0$

~~$f(0) \rightarrow 1$~~

~~$f(0) * old_x = 1$~~

$f(1)$ { old_x
 x

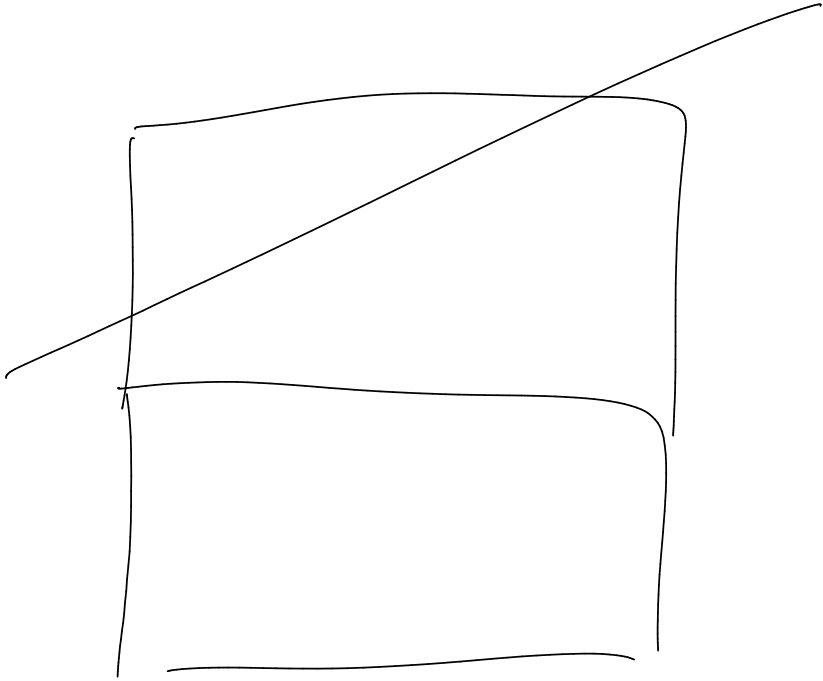
$f(2)$ { old_x
 x

$f(3)$ { old_x
 x

1
2
2
1
3
2

g

f



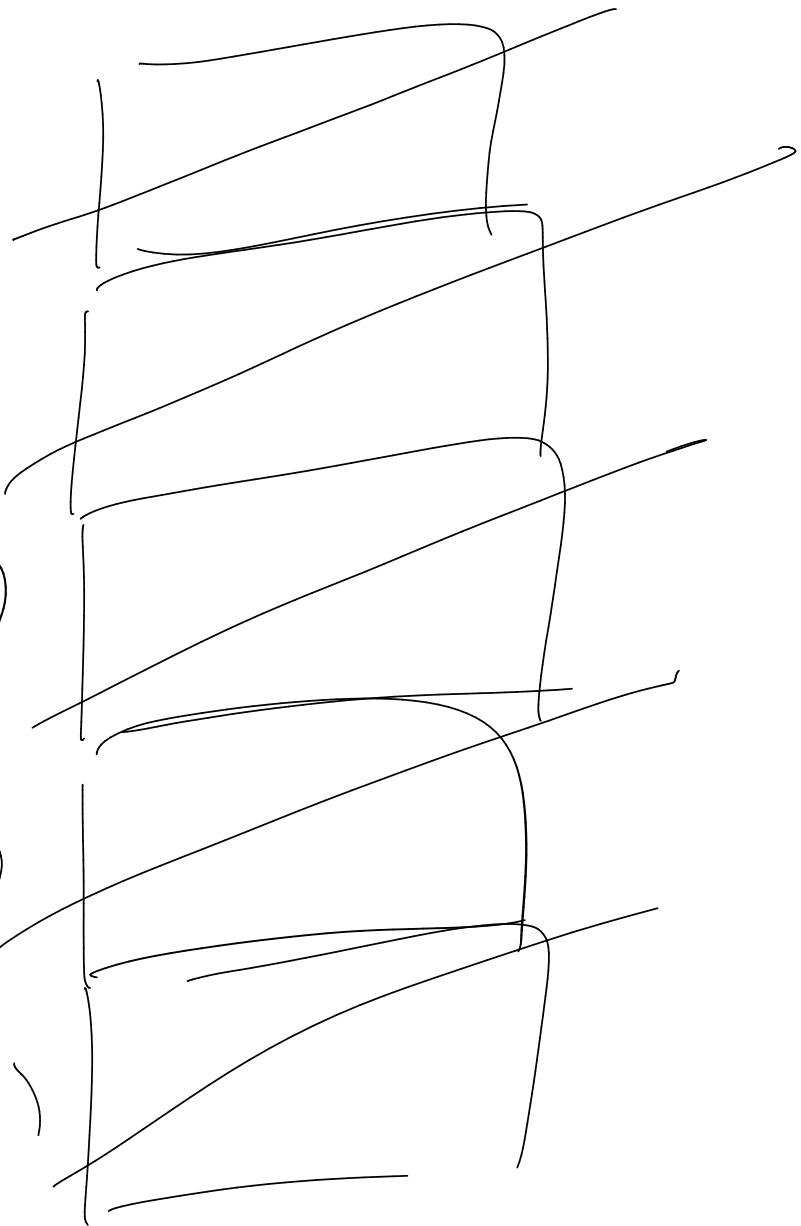
$f(0)$

$f(1)$

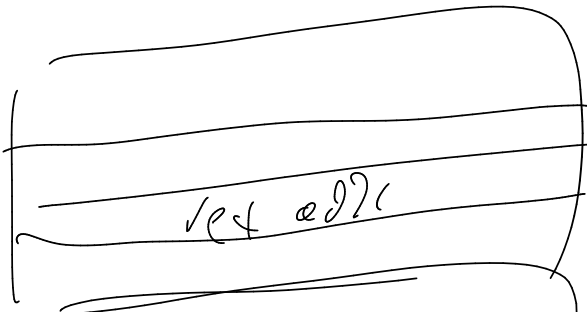
$f(2)$

$f(3)$

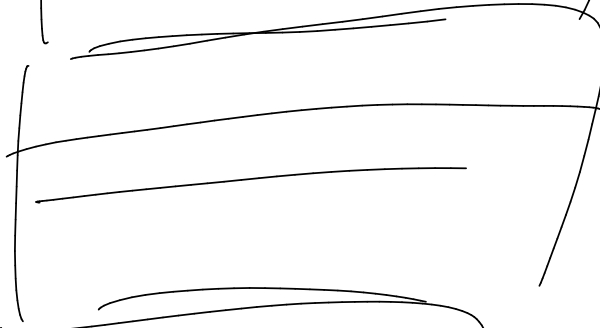
$\max()$



$f(2)$



$f(3)$



main

