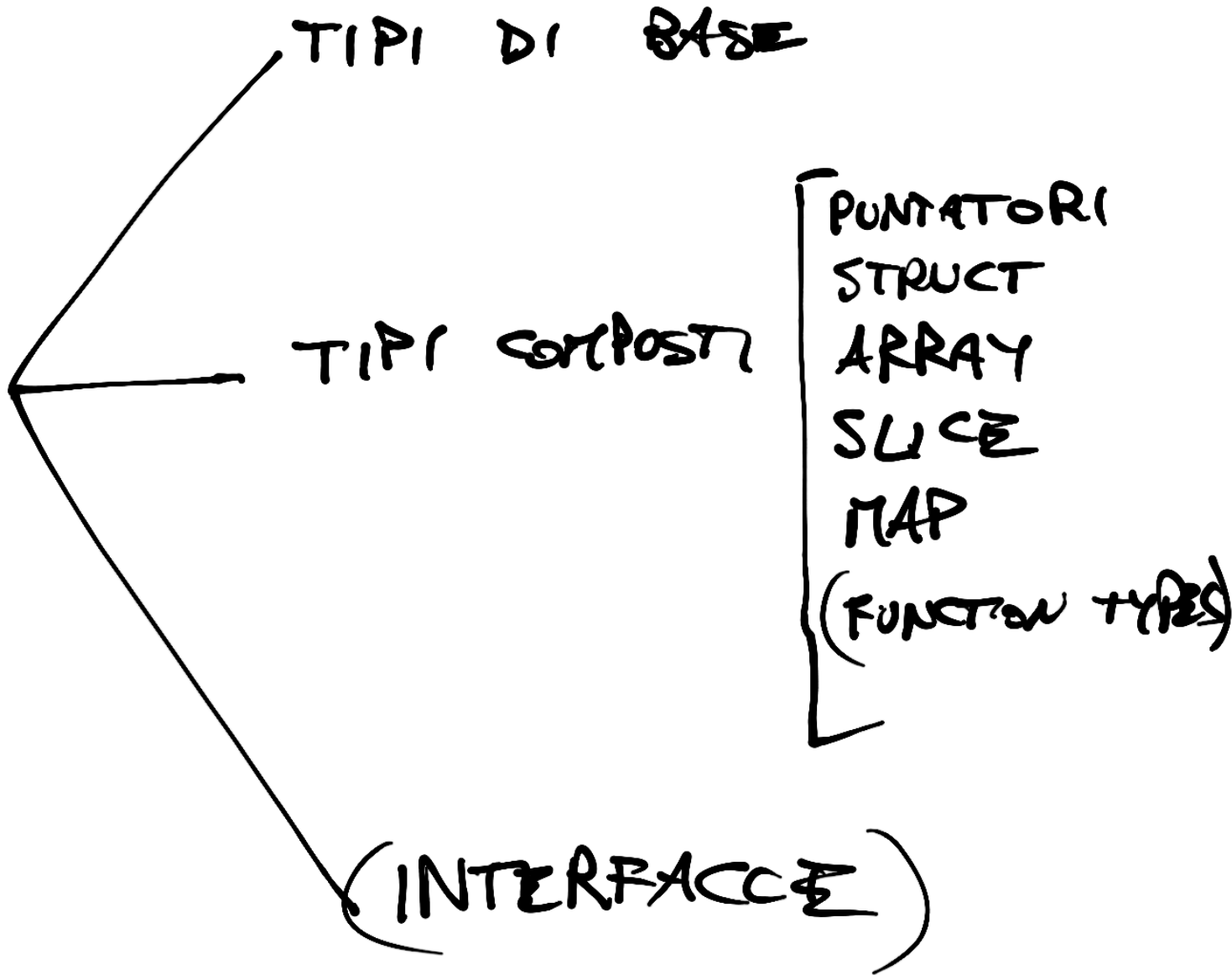
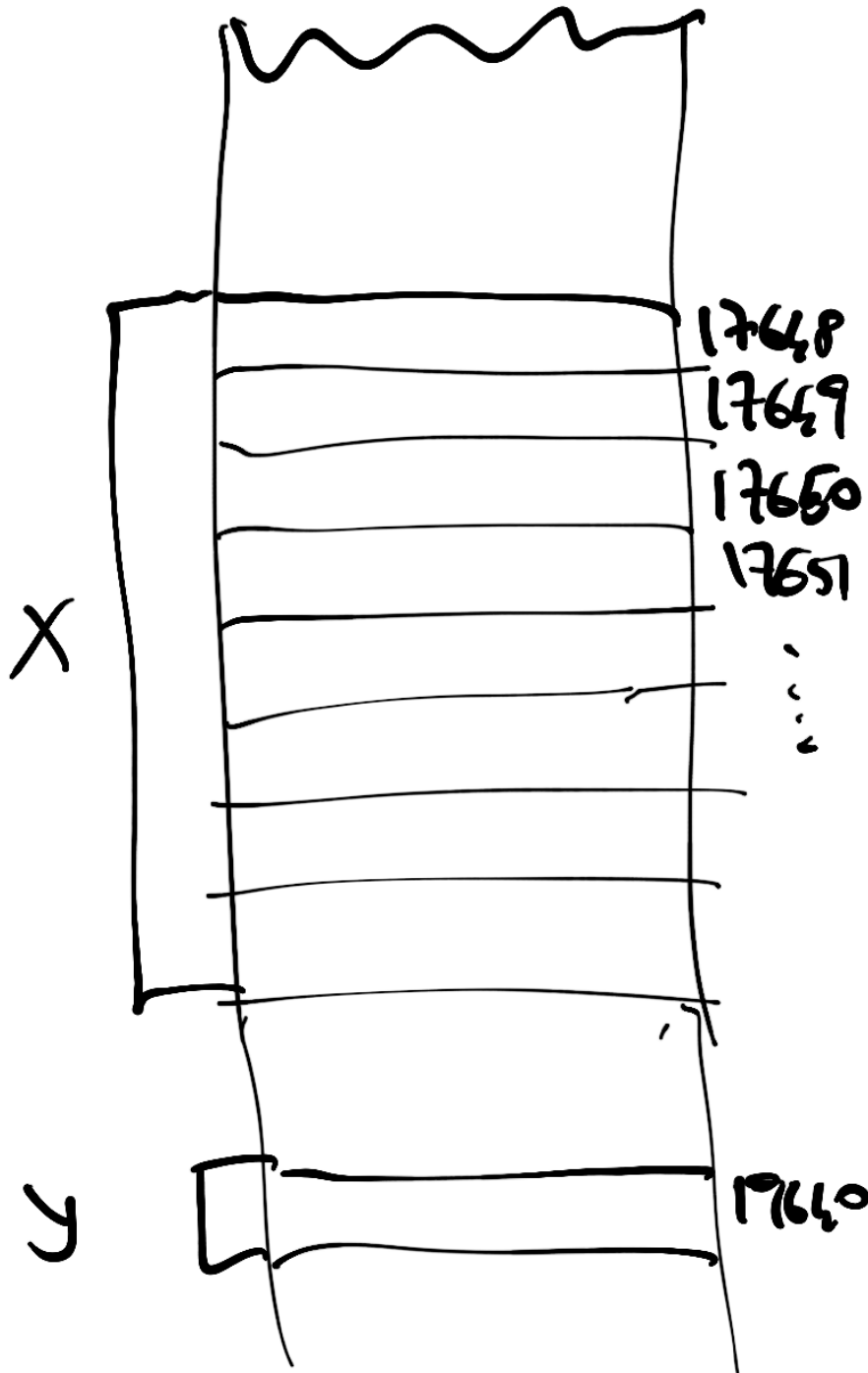
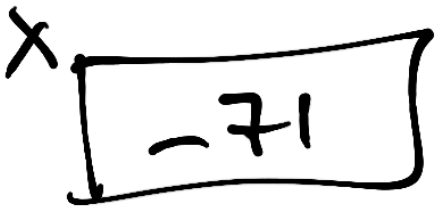


TIPICI IN GO



var x int64

var y uint8



PUNTATORE \equiv LOCALIZIONE DI MEM.
(indirizzo)

*T

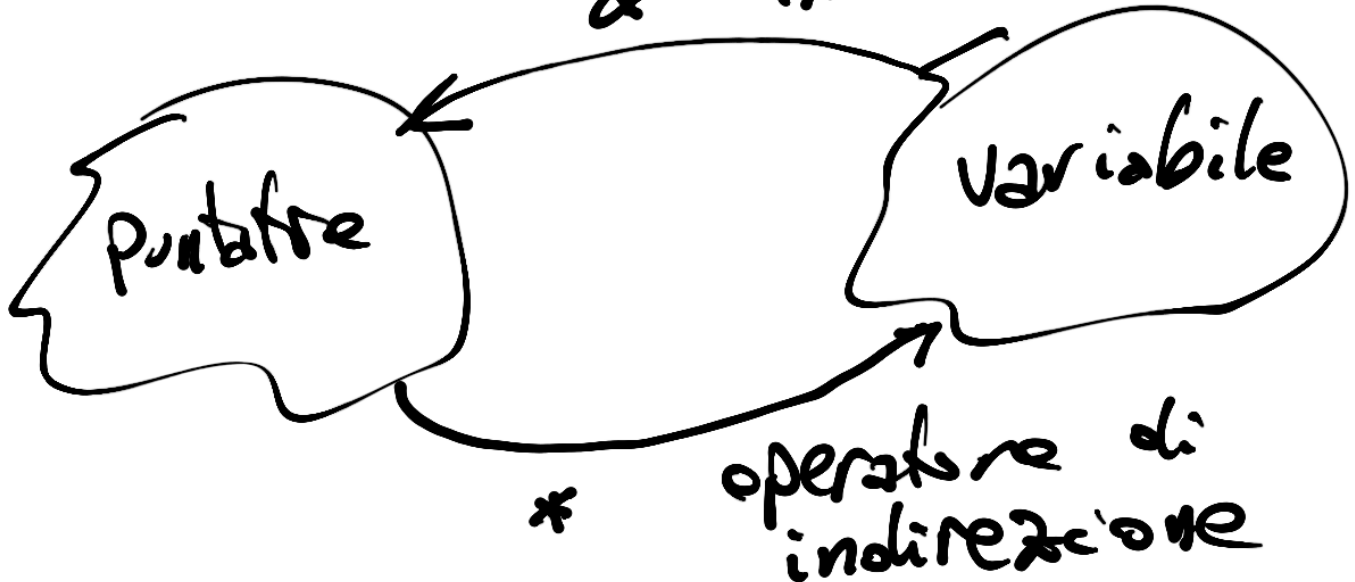
"puntatore a T"

*int16

*uint8

*string

& operatore di
indirizzo



var x int64
var y *int64

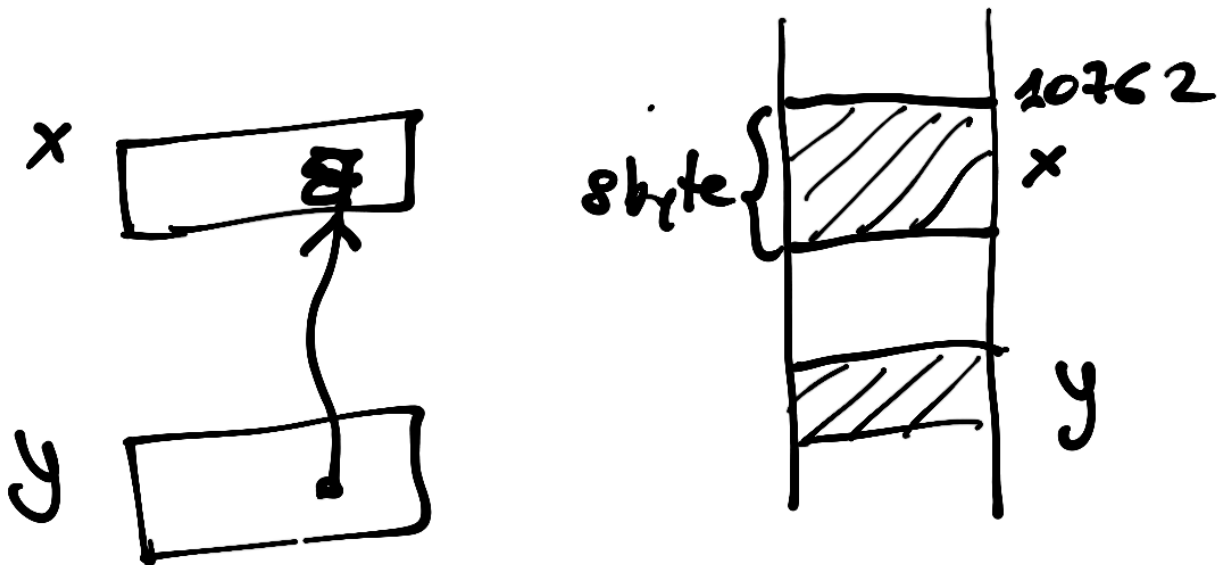
x = 7

y = &x

(*y)++

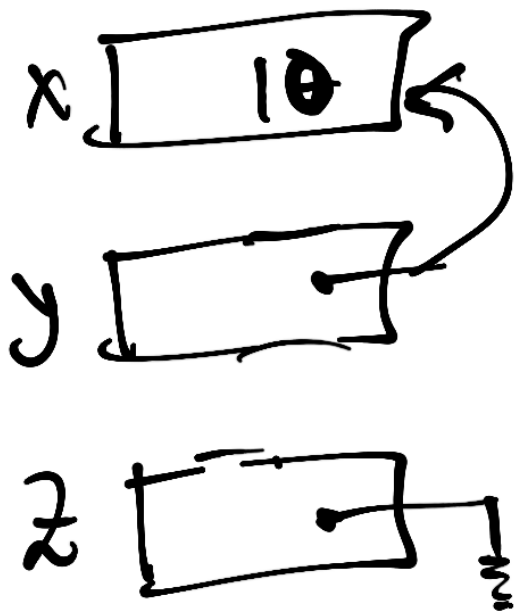
fmt.Println(*y)

fmt.Println(y)



var x int64
var y * int64
var z ** int64

x = 7
y = 2 * x
*y = *y + 3



var x string = "Ciao"

var p *string

p = &x

fmt.Println(p)

fmt.Println(*p)

fmt.Println((*p)[0])

fmt.Println(len(*p))

fmt.Println(**p)

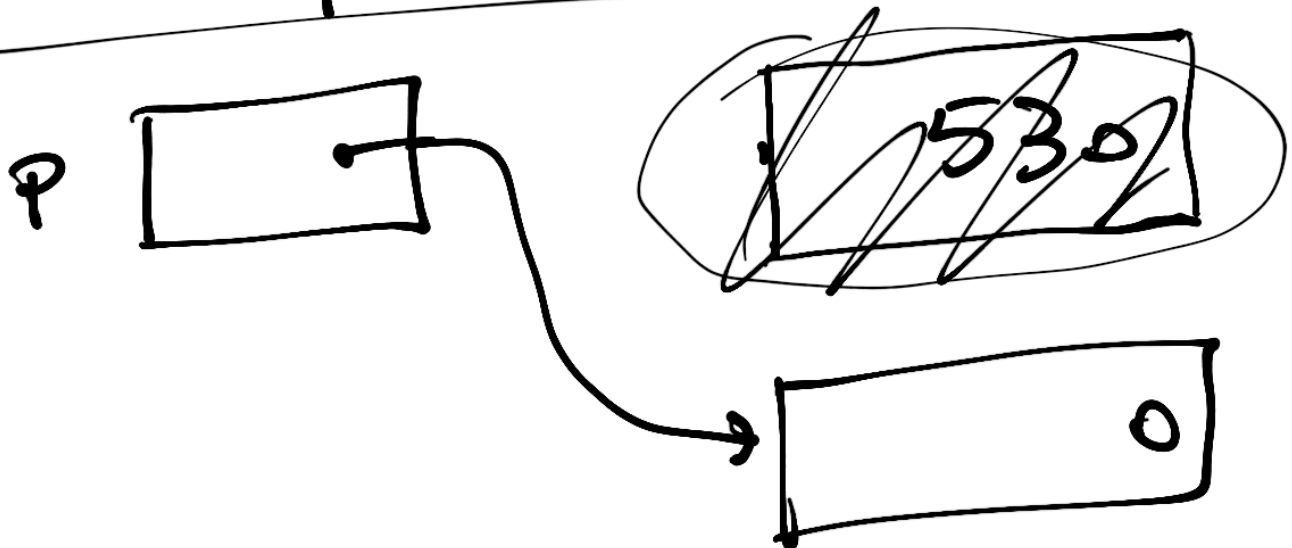
new

new (T) ^{tipo}

- CREA UNO SPAZIO DI MEMORIA ABBASTANZA GRANDE PER T
- RESTITUISCE L'INDIRIZZO

var p *int64
p = new (int64)

*p = 530
p = new (int64)



var p, q *int

p = new (int)

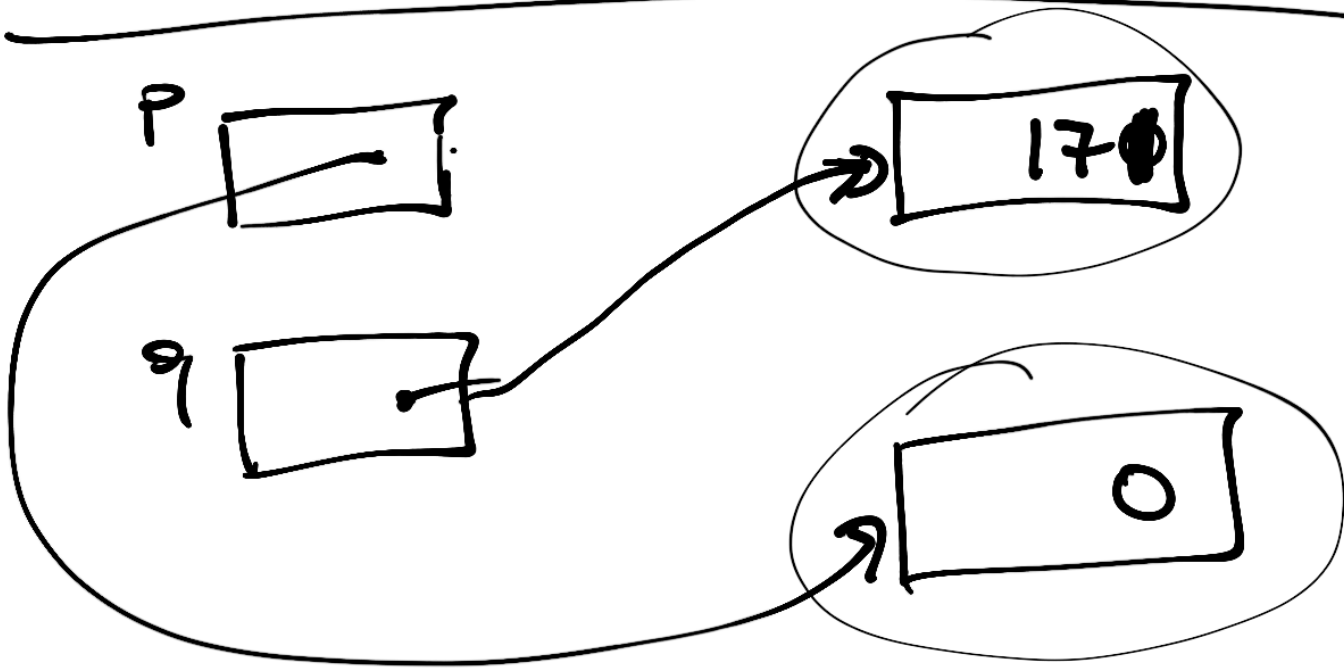
*p = 170

q = p

p = new (int) ←

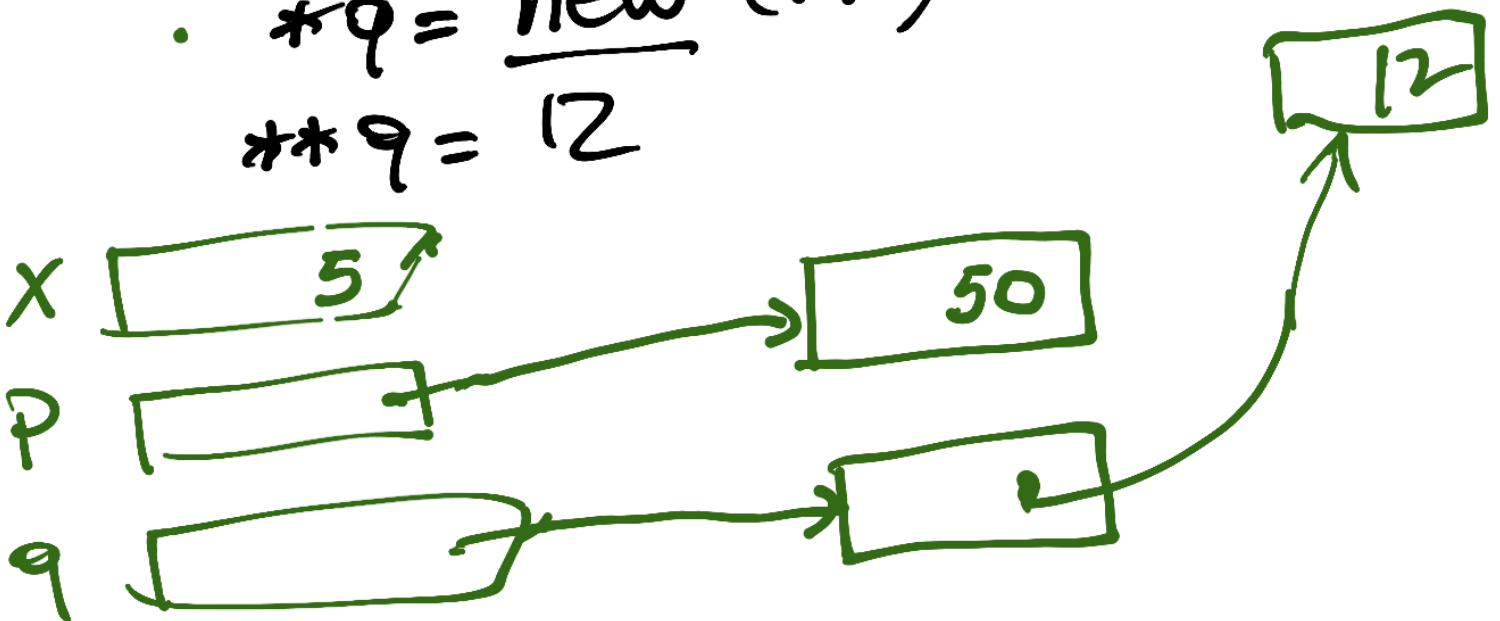
(*q)++

fun. Println (*p, *q)



var x int
var p *int
var q **int

- x = 7
- p = &x
- q = &p
- p = new (int)
- *p = 50
- q = new (*int)
- *q = &x
- **q = 5
- *q = new (int)
- **q = 12



func

inc2 (x int) {

x += 2

}

~~Pippo = Pippo + 2~~

inc2(Pippo)

func

inc2 (x int) int {

return x + 2

}

~~Pippo = Pippo + 2~~

Pippo = inc2(Pippo)

func

inc2 (x * int) {

(*x) += 2

}

~~Pippo = Pippo + 2~~

inc2(&Pippo)

int huge

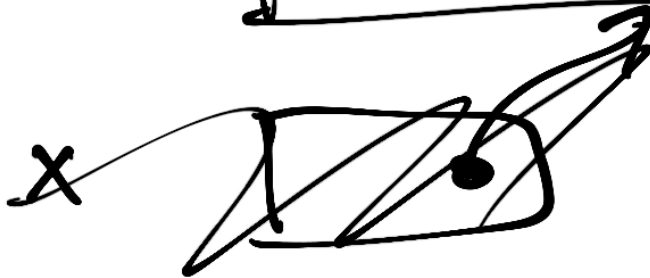
1000000 bit

```
func inc2(x*int huge)  
    (*x)+=2
```

}

```
var pippo int huge ] main  
pippo = inc2(&pippo)
```

pippo



—

func round (x *float64, n int) {

for $i=0; i < n; i++$ {

$(*x) *= 10$

$dec := *x - \text{float64}(\text{int}(*x))$

if $dec > 0.5$ {

$*x = *x - dec + 1.0$

{else}

$*x = *x - dec$

for

$i=0; i < n; i++$ {
 $(*x) /= 10$

}

x

3.754

n 3

dec 0.213