

var      p      \*int  
var      x      int

p = &x

\*p = 7

} fut. printf(\*p)

---

## GESTIONE DELLA MEMORIA

- 1) MEMORIA STATICA
  - 2) STACK
  - 3) HEAP
- 

Package      main

var      x      int

func      f()      }

- ~

}

HEAP

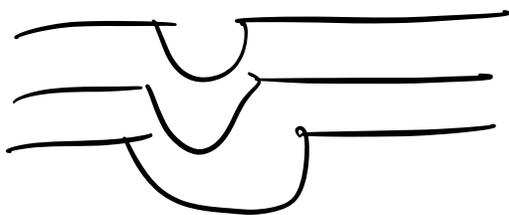
- new  
- ~~make~~



STACK

LIFO

push



pop

STACK

DI

ESECUZIONE

PUNTO DI RIENTRO
VAR. LOCALI
VALORI RESTITUITI

RECORD DI  
ATTIVAZIONE

```
1 func main() {  
2   var x, y, r13 int  
3   fut.Scan (&x)  
4   fut.Scan (&y)  
5   r13 = f(x, y)  
6   fut.Printf("%d\n", r13)
```

```
7 }  
8 func f(a, b int) (c int) {  
9   var x, y int  
10  x = sqr(a)  
11  y = sqr(b)  
12  c = x + y  
13  return
```

```
14 }  
15 func sqr(x int) (a int) {  
16   a = x * x  
17   return  
18 }
```



$$n! = \begin{cases} 1 & \text{se } n=0 \\ 2n + (n+1)! & \text{altrimenti} \end{cases}$$

```

funz fatt (n int) int {
  if n == 0 {
    return 1
  } else {
    return n * fatt(n-1)
  }
}

```

c2sdcca

# ANAGRAMMI

cane

cane

caen

neac

neca

⋮

анализи ("cané") =

"c" + x

$\forall x \in \text{анализи ("ане")}$

"a" + x

$\forall x \in \text{анализи ("аче")}$

"n"

...

"e"