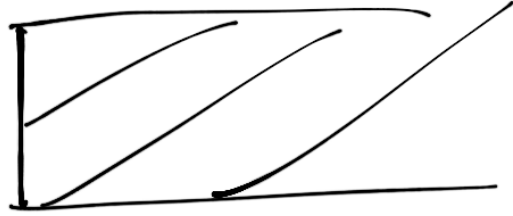


for

cond }



}

var n, c int

fun. Scan (&n)

for n > 0 {

C++

n /= 10

}

fun. Println (c)

n



3712

c



ALGORITMO DI EUCLIDE

MCD(x, y)

MCD(630, 168)

var x, y, m int
func. Scan (&x, &y)

if y < x {
 m = y
} else {
 m = x

}
for x % m != 0 || y % m != 0 {
 m--

}
func. Println (m)

630 168

x [126]

y [42]

r [0]

42

630		2
315		3
105		5
21		7
3		3
1		

168		2
84		2
42		2
21		7
3		3
1		


```

var x, y int
fun. Sum (&x, &y)
  r := x / y
  for r > 0 {
    x, y = y, r
    r = x / y
  }
  fun. Println (y)

```

$$2 \cdot 3 \cdot 7 = 42$$

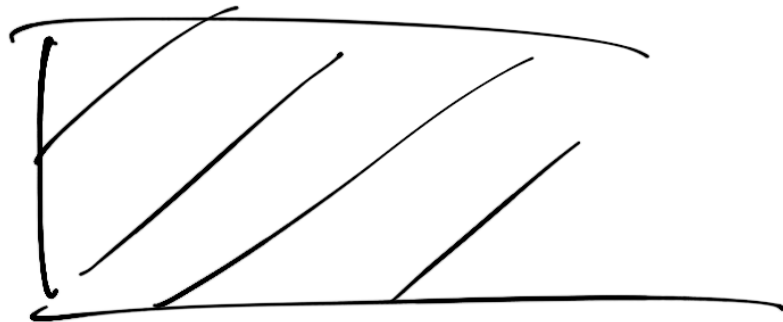
for O-ARLO

for {

}

for {
 funt.Println("Ciao")
}

for 3-ARLO

for A; B; C



A
for B
C

3

for A; C



A
for



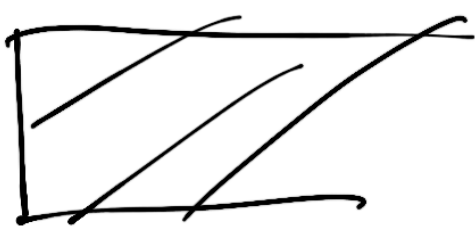
var m, i, s int

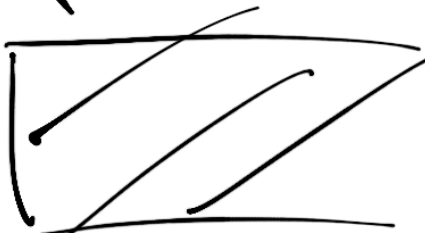
func Scan (&n)

```
i = 1  
for  
i <= n  
s += i  
i++  
}
```

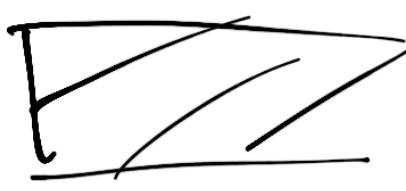
```
}  
for i = 1; i <= n; i++  
s += i  
}  
func Println (i)
```

func Println (s)

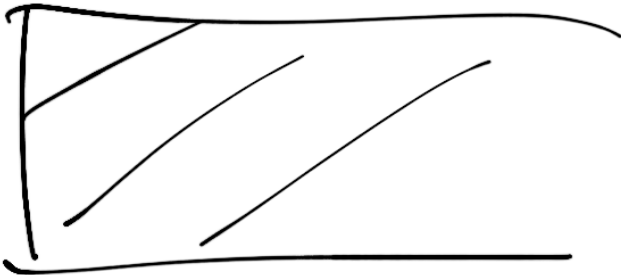
for ; ; }

}

for {


}

for true }

}

for $i := 1; i \leq n; i++ \{$



$\}$

fact. Print(i)

- STAMPA LA SOMMA
DEI PRIMI .N
QUADRATI PERFETTI

$$1^2 + 2^2 + 3^2 + \dots + n^2$$

```
var n, s int  
fun. Sum (&n)  
for i:=n; i>=1; i-- {  
    s += i*i  
}  
fun. Println (s)
```

-STAMPA LE POTENZE DI
2 $\leq n$

```
for c:=1; c<=n; c=c*2 {  
    fmt.Println(c)  
}
```

- STAMPA LE PRIME n
POTENZE DI 2

$c := 1$

for $i := 0; i < n; i++$ }

$\text{cout} \cdot \text{Println}(c)$
 $c *= 2$

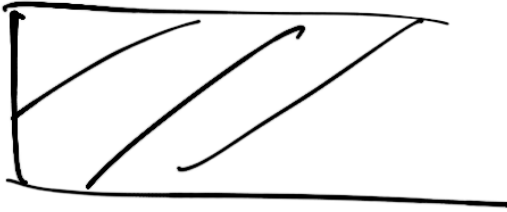
}


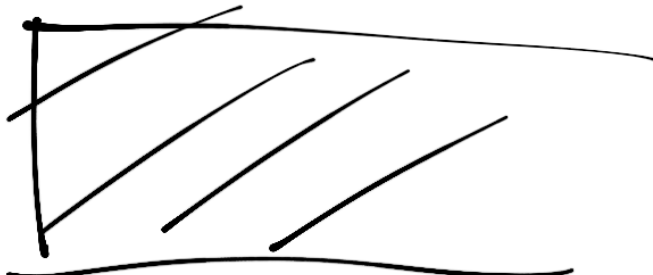


for $i := 0, c := 1; i < n; i++, c *= 2$ }

$\text{cout} \cdot \text{Println}(c)$

}

for $i := 1; i <= n; i++$ {

 $i = 1$
 \vdots
 n
}


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

 $i = 0$
 \vdots
 $n-1$
}

- LEGGI n , POI LEGGI
 n NUMERI E STAMPARE
LA SOMMA

```
var  $n, x, s$  int  
fmt.Scan(& $n$ )  
for  $i := 0; i < n; i++$  {  
    fmt.Scan(& $x$ )  
     $s += x$   
}
```