

int n;

int cnt;

cnt = 0;

while (cnt <= n)

printf("%d", cnt);

cnt = cnt + 1;

int cnt;

FOR (cnt = 0; cnt <= n;

cnt++) {

printf("%d", cnt);

```
int n ; cnt = 1; int a;
```

```
do{
```

```
printf("inserisci un valore:"); }
```

```
scanf("%d", &n);
```

```
}while(n < 1);
```

```
a = n;
```

```
cnt = n - 1;
```

```
while(cnt > 0){
```

```
n = n * cnt
```

```
cnt--;
```

$$n! = n(n-1) \cdot (n-2) \cdots 1$$

$$5! = 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1$$

$$n! = n \cdot (n-1) \cdot \dots \cdot 1$$

← ~~FAT~~

int ~~Fat~~=1; Fat2

int cnt=1;

int n; // INPUT

WHILE (cnt ≤ n)

Fat = Fat · cnt;

cnt++;

$$Fat = 1 \cdot 2 \cdot 3 \cdot \dots \cdot (n-1) \cdot n$$

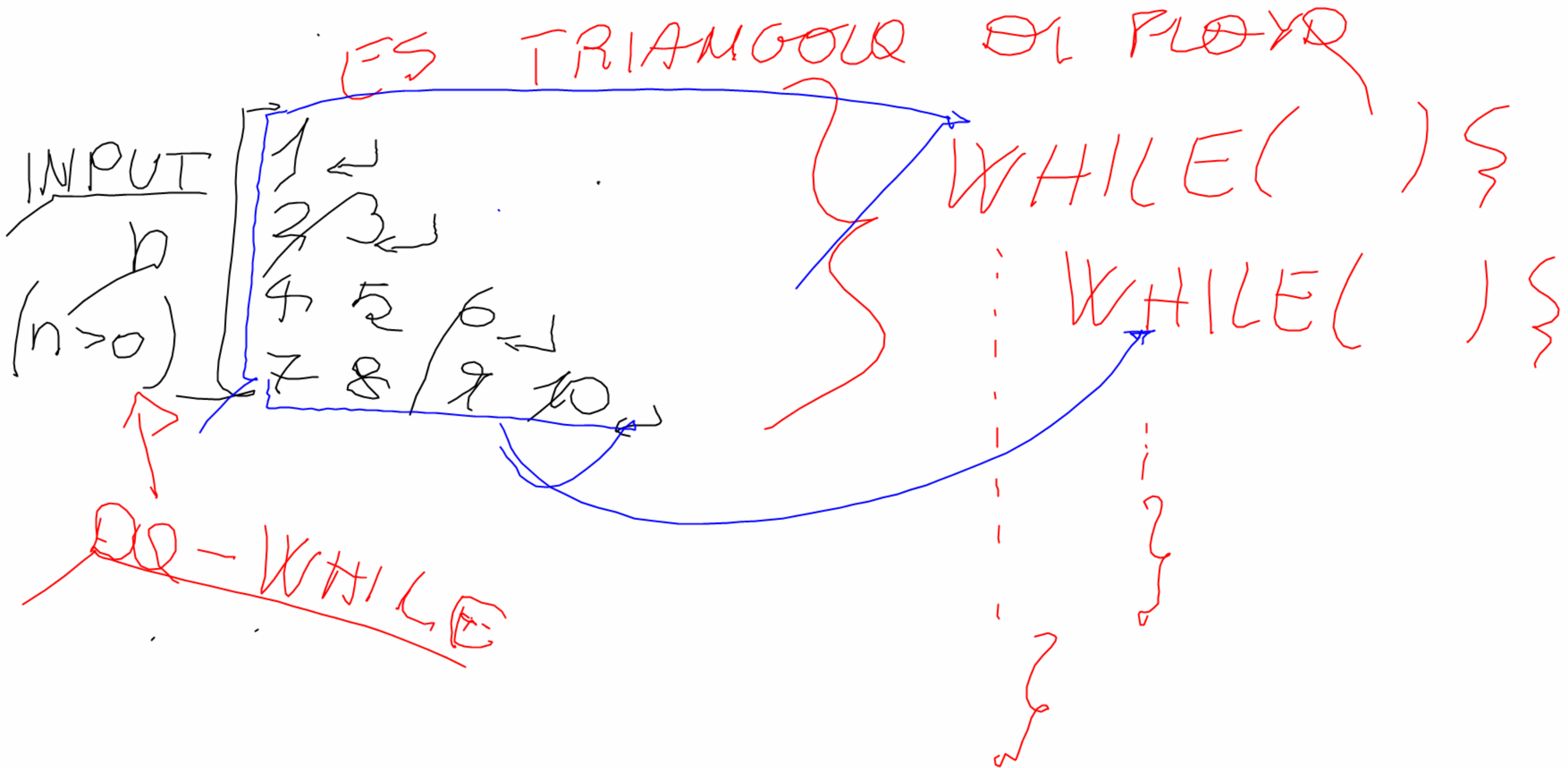
int n;
int fat2=1;
int cnt;
cnt=n;

While (cnt > 0)

fat2 = fat2 · cnt;

cnt--;

```
INT FAT = 1; INT CNT;  
FOR (CNT = 1; CNT <= Q; CNT++) {  
    FAT = FAT * CNT;  
}
```



```
int n;
int riga;
int colonna;
```

COND.
TRUE

($n > 0$)

NOT
→

COND.
FALSE

($n \leq 0$)

```
do {
    printf("Inserisci n: ");
    scanf("%d", &n);
} while (n <= 0);
```

```
printf("...");
scanf("%d", &n);
while (n <= 0) {
    printf(...);
    scanf(...);
}
```

```

riga = 1;
int num = 1;
while (riga <= n) {
    columna = 1;
    while (columna <= riga) {
        printf("%d", num);
        num++;
        columna++;
    }
    printf("\n");
    riga++;
}

```

```

riga = 1;
int num = 1;
for (riga = 1; riga <= n; riga++)
{
    columna = 1;
    for (columna = 1; columna <= riga; columna++)
    {
        printf("%d", num);
        num++;
    }
    printf("\n");
}

```


ES DIRE. SE UM NUMERO
E PRIMO O NO (CON FOR) ^{8/16}

```
int m;  
int cnt;  
int div = 0;  
for(cnt = 1; cnt <= h; cnt++) {  
    if(n % cnt == 0) {  
        div = div + 1;  
    }  
}
```



```
if (div == 2) {  
    printf("n e' un numero primo");  
}  
else {  
    printf("n non e' un numero primo");  
}
```

≡
↓
≡

$(a \geq 10 \ \&\& \ a < 30) \ \|\ (b \geq 5 \ \&\& \ b \% 2 \neq 0)$

$(a \leq 10 \ \|\ a \geq 30) \ \&\&$

$(b \leq 5 \ \|\ b \% 2 \neq 0)$

COMPARE 1 NUMBER
PARTY TRAINED FOR
($n \leq m$)

$n \geq 5$
+1
 $m = 10$

6
8
10

n, m, \underline{cnt}

```
FOR(cnt = n, cnt <= m; cnt++) {
    if(cnt % 2 == 0) {
        print(...);
    }
}
```

```
[ if (n % 2 == 1) { // DISPAR,  
    n++;  
} // n DIVENTA PAR.
```

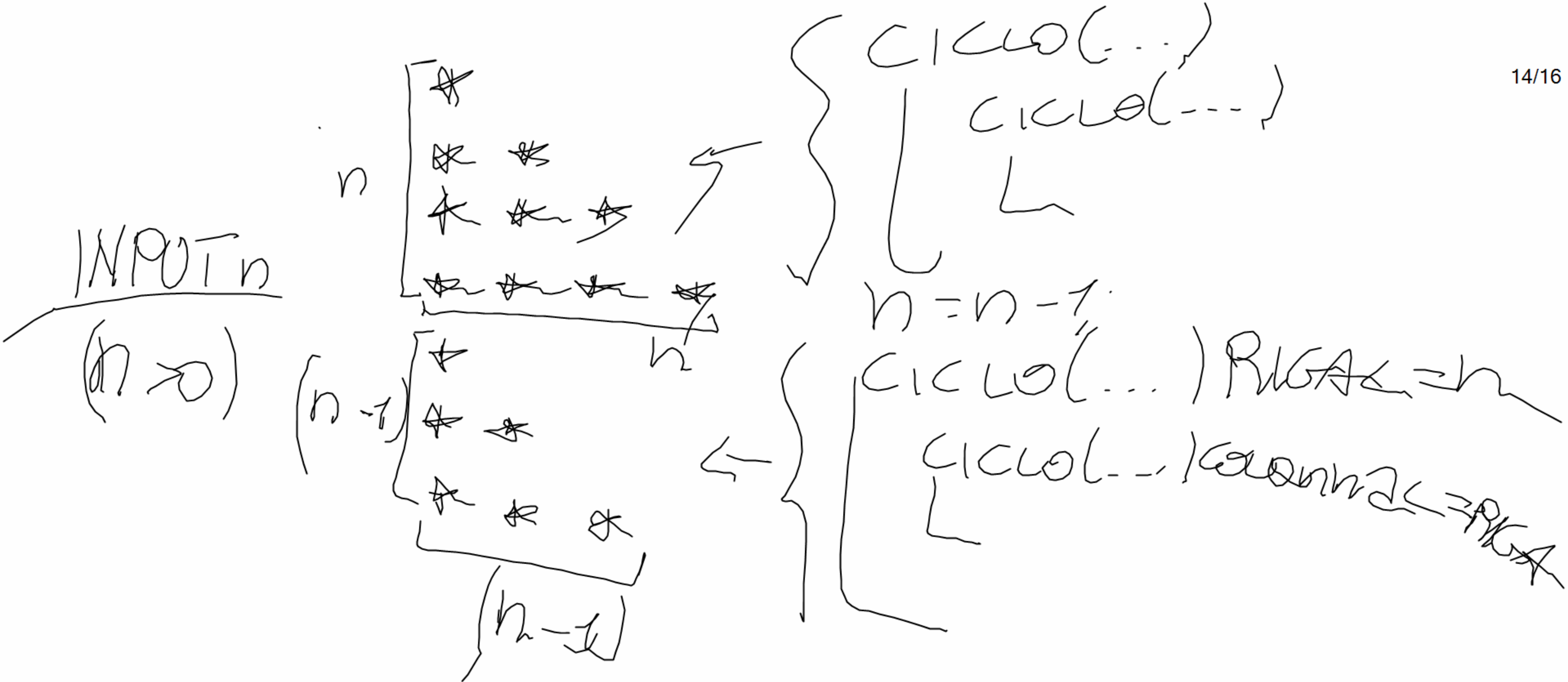
```
for (cnt = n; cnt <= m; cnt += 2) {  
    printf(...),  
}
```

```
int a = 3;
int i = 3;
int j = 6;
```

```
while (i < j) {
    a = a * i;
    i++;
}
```

~~i = 6~~
~~a = 180~~

NO
~~while (i < j) {~~




ES. DATO UN NUMERO n ($n > 0$)
SOMMARE I PRIMI n NUMERI
 DISPARI $[n \rightarrow n^2]$

ES

$$n = 5$$

$$(n \cdot 2)$$

$$1 + 3 + 5 + 7 + 9 = 25 = (5)^2 = (n)^2$$




```
int n;  
int i;  
int som=0;  
FOR(i=1, i <= (n/2); i=i+2){  
    som=som+i;  
}
```