

```

for (i=0; i < n-1; i++) {
  (1) // trova l'indice imin del valore minimo
      presente nel sotto vettore a[i..n-1]
  (2) // scambia a[i] con a[imin]
}

```

```

(2)   tmp = a[i];
      a[i] = a[imin];
      a[imin] = tmp;

```

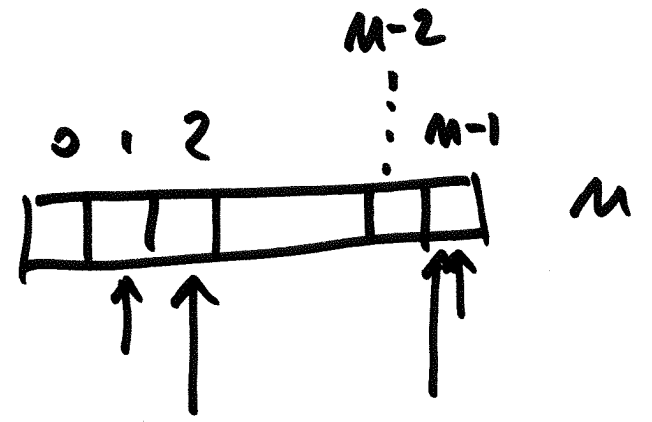
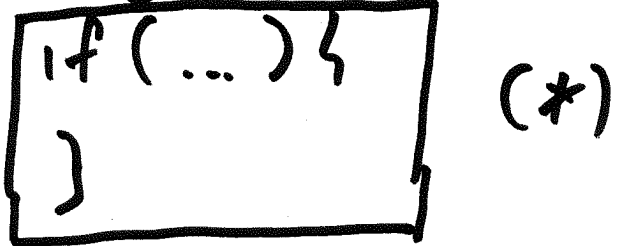
```
①  i_min = i;
    for (j = i + 1; j < n; j++) {
        if (a[j] < a[i_min]) {
            i_min = j;
        }
    }
    /* a[i_min] is the minimum present in
       a[i..n-1] */
```

```
selectionsort(a[n], n);    int a[n];
```

```

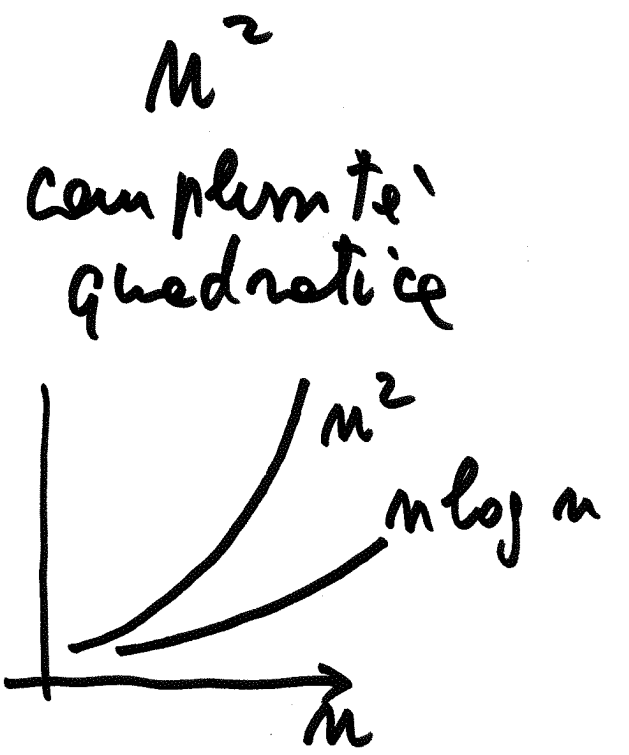
for (i=0; i < n-1; i++) {
  for (j=i+1; j < n; j++) {
    if (...) {
      }
    }
  }
}

```



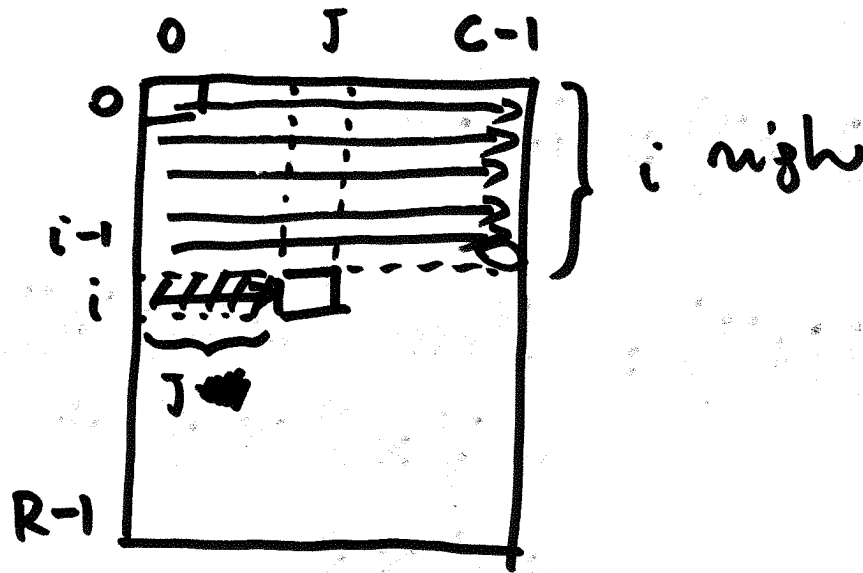
n di volte in cui il blocco (*) viene eseguito

<i>i</i>		$\sum_{k=1}^{n-1} k$
0	$n-1$	$\sum_{k=1}^{n-1} k$
1	$n-2$	
2	$n-3$	
3	$n-4$	
\vdots	\vdots	
$n-2$	1	\sum



$T_m[R][C]$

$K = \text{sizeof}(T)$



$$\text{Mem}(m[i][j]) = \text{Mem}(m[0][0]) + C \times i \times K + J \times K$$

$$= \text{Mem}(m[0][0]) + K(C \times i + J)$$

$$= (C \times i + J) \times K$$

double m[3][7] sizeof(double) == 8

$$\text{Mem}(m[0][0]) = 4096$$

$$\begin{aligned}\text{Mem}(m[2][4]) &= \text{Mem}(m[0][0]) + \\ &+ 7 \times 2 \times 8 + \\ &+ 4 \times 8 \\ &= 4096 + 112 + 32 =\end{aligned}$$

$$\begin{aligned}&\text{Mem}(m[0][0]) + \\ &(2 \times 7 + 4) \times 8 \\ &= 4096 + (18 \times 8) =\end{aligned}$$