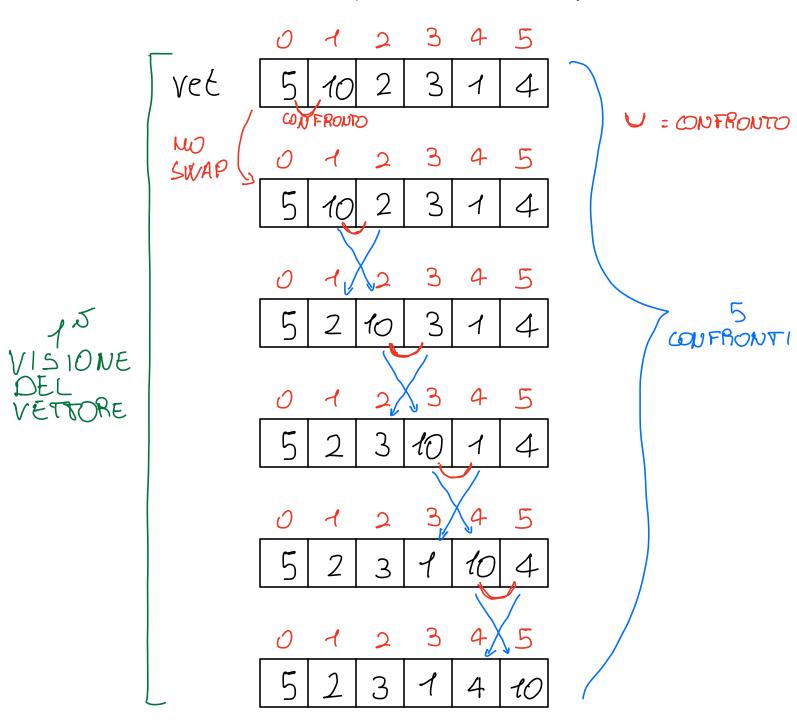
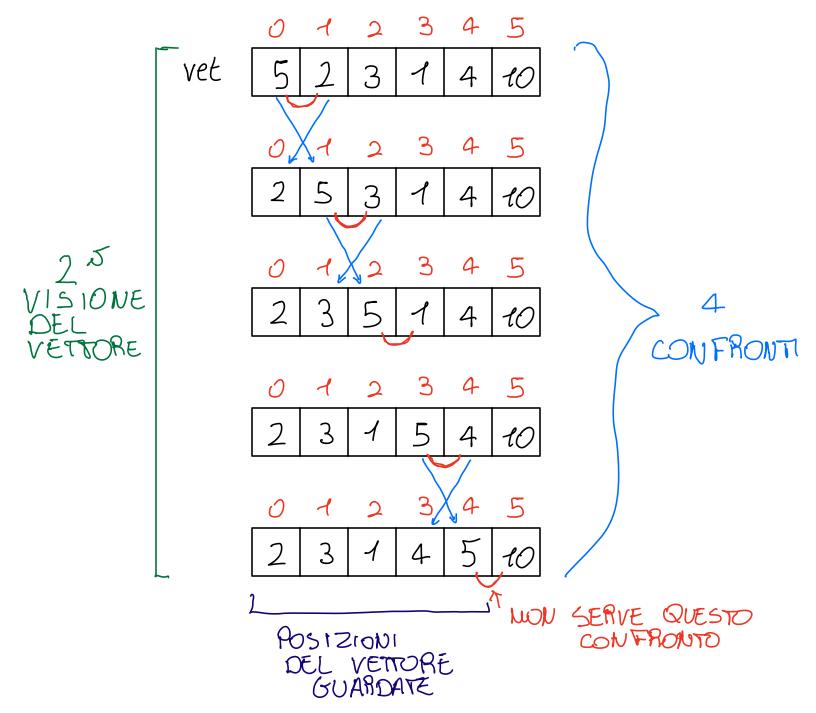
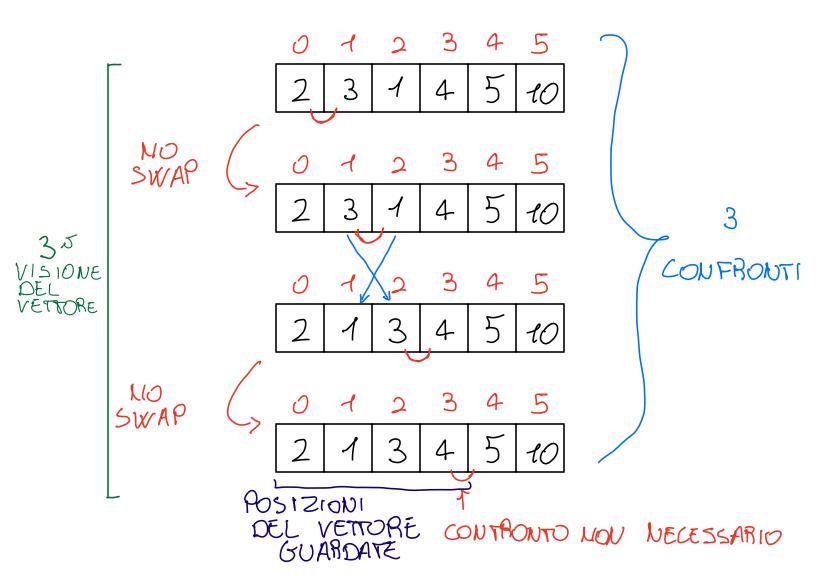
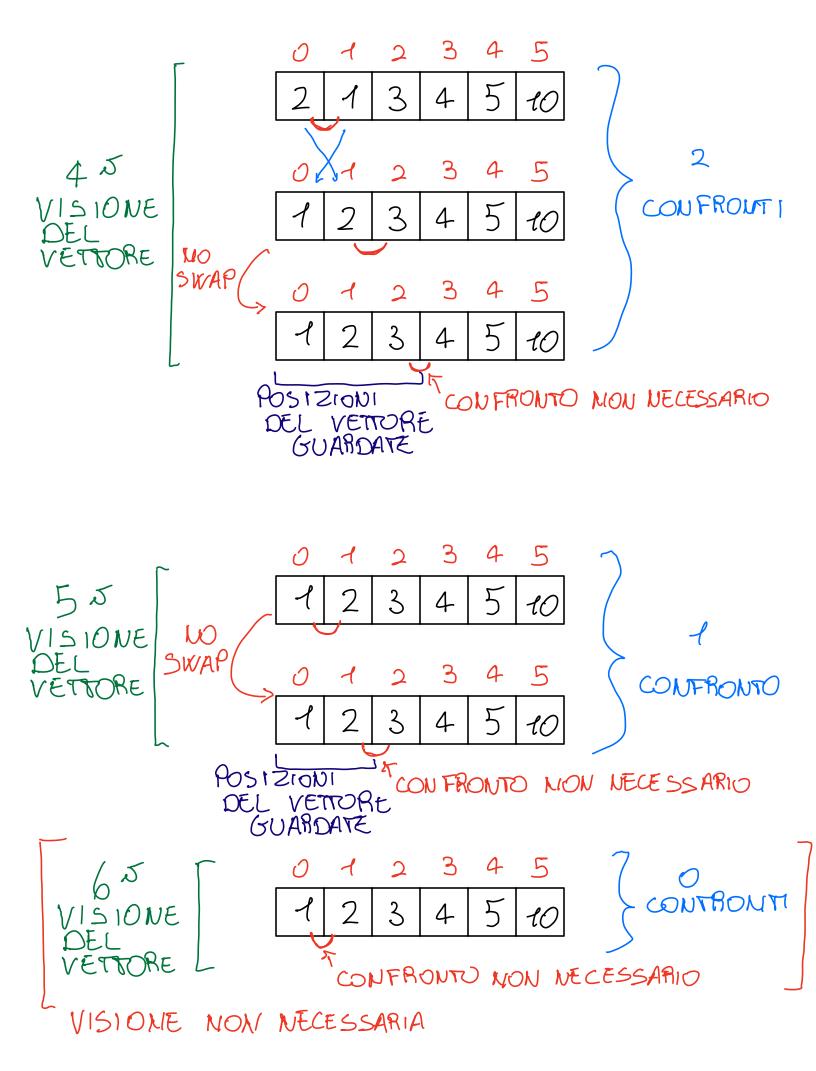
BUBBLE SORT

PRIMA DEL -> # define DIM 6
main() -> int vet[DIM] = { 5, 10, 2, 3, 1,4 };









FUNZIONE BUBBLE SORT

```
void bubble Sort (int vet[], int dim)}
    int int
    int tmp;
    for (i=0; i2(dim-1); i++)}
        for (j=0; j < (dim-i-1); j++) {
      if (vet [j] > vet [j+7]) {

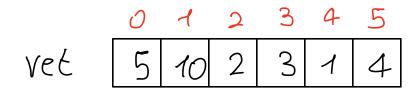
tmp = vet [j];

vet [j+7] = tmp;

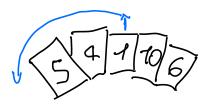
vet [j+7] = tmp;
                                                    L'OADINE
```

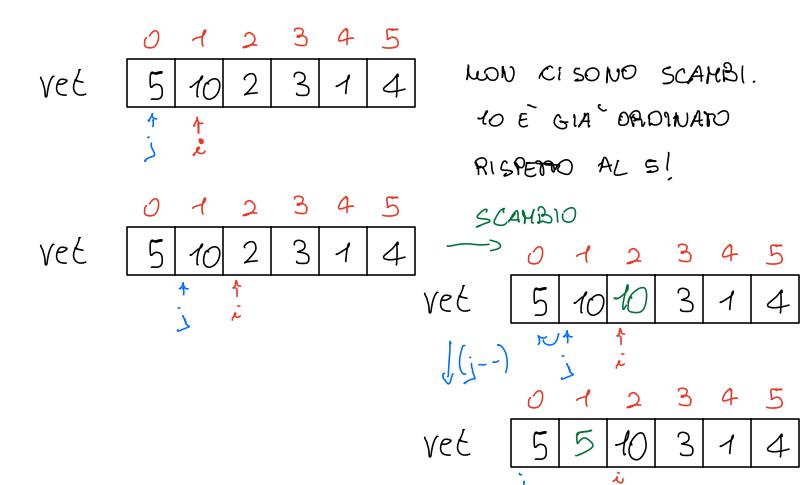
INSERTION SORT

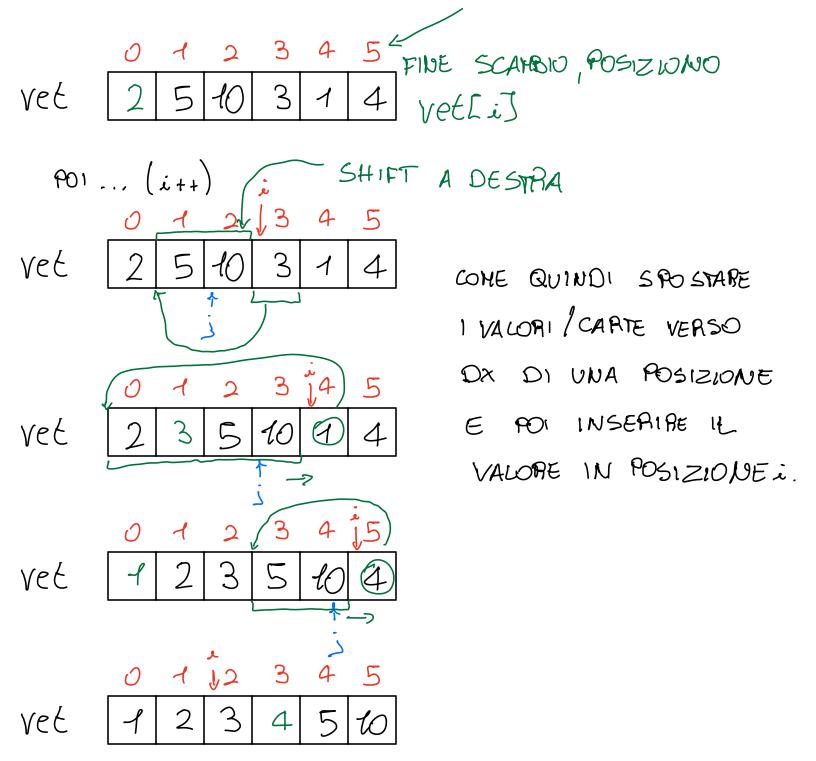
PRIMA DEL -> # define DIM 6
main() -> int vet[DIM] = { 5, 10, 2, 3, 1,4 };



IDEA: SCOPRO IL VETTORE DA SINISTRA A DESTRA E VADO A POSIZIONARE I VALORI NELLA POSIZIONE COPRETTA. COME ORDINARE LE CARTE IN UNA MANO.





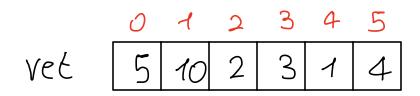


FUNZIONE INSERTION SORT

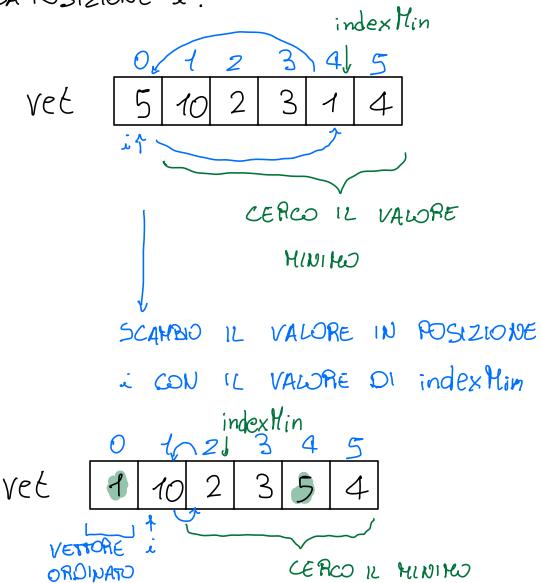
```
void insertion Sort (int vet[], int dim) {
   int i,jj
   int key;
   For ( i = 1 ; i 2 dim; i++) }
   Key = vet [i];
   j = i -1;
   ! while (j>=0 && vet(j]>key)}
   : vet [j] = key;
```

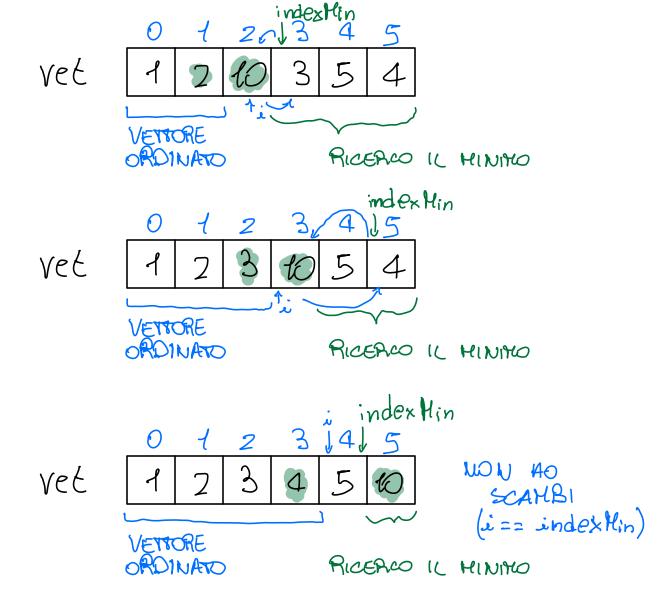
SELECTION SORT

PRIMA DEL -> # define DIM 6
main() -> int vet[DIM] = { 5, 10, 2,3, 1,4 };



I DEA: TROVO IL MINIMU VALORE DALLA POSIZIONE :
FINO ALLA FINÉ E LO SCAMBIO PER METTERLO
NELLA POSIZIONE :





```
FUNZIONE SELECTION SORT
```

```
selection Sort (int vet[], int dim) }
void
      int i, si
      int index Min Val:
      For (i=0; i2dim -1; i++)}
          index Min Val = i;
          For ( == +1; i 2 dim; ; ++) }
          ' if (vet[i] > vet [index HinVal])}
          index HinVal = i;
         if (index Min Vall= i) }
         ; swap(&(vet[i]), & (vet[indexMinVal]));
```