

Sujet38 1

```
In [ ]: def tri_selection(tab):  
    for i in range(len(tab)-1):  
        indice_min = i  
        for j in range(i+1, len(tab)):  
            if tab[j] < tab[indice_min]:  
                indice_min = j  
        tab[i], tab[indice_min] = tab[indice_min], tab[i]  
    return tab
```



ou version plus découpée, se rapprochant plus de la description de l'algo :

```
In [ ]: def minimum(tab, i):  
    """Recherche la position du minimum entre la position i et la fin du  
    tableau tab"""  
    ind_minimum = i  
    for j in range(i+1, len(tab)):  
        if tab[j] < tab[ind_minimum]:  
            ind_minimum = j  
    return ind_minimum
```



```
In [ ]: def echange(tab, i, j):  
    tab[i], tab[j] = tab[j], tab[i]
```



```
In [ ]: def tri_selection(tab):  
    for i in range(len(tab)-1):  
        ind_minimum = minimum(tab, i)  
        echange(tab, i, ind_minimum)  
    return tab
```



```
In [ ]: print(tri_selection([1,52,6,-9,12]))
```

