

# 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]))
```

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