```
import matplotlib as mpl
import matplotlib.pyplot as plt
from random import randint
import timeit
mpl.use('Agg')

def desenhaGrafico(x, y, nome, xl="Entradas", yl="Saídas"):
    plt.plot(x, y, label="Melhor Tempo")
    plt.legend(bbox_to_anchor=(1, 1), bbox_transform=plt.gcf().transFigure)
    plt.ylabel(yl)
    plt.xlabel(xl)
    plt.savefig(nome)


def faz_List(size):
    list = []
    while size > 0:
        n = randint(1, size)
        list.append(n)
        size -= 1
    return list

def faz_DList(size):
    list = []
    while size > 0:
        list.append(size)
        size -= 1
    return list

op= []


def sort(array):
    operacoes = 0
    for i in range(len(array)):
        min_idx = i
        for j in range(i+1, len(array)):
            if array[min_idx] > array[j]:
                min_idx = j
                operacoes+=1

        array[i], array[min_idx] = array[min_idx], array[i]

    op.append(operacoes)
```

```
size = [1000, 10000, 30000, 60000]
time = []

for s in size:
    list = faz_DList(s)

    time.append(timeit.timeit("sort({})".format(list),setup="from __main__ import
sort", number=1))

    print(s)


desenhaGrafico(size, time,'Selection_Time', 'Numbers', 'Time')
desenhaGrafico(size, op,'Selection_Op')
```