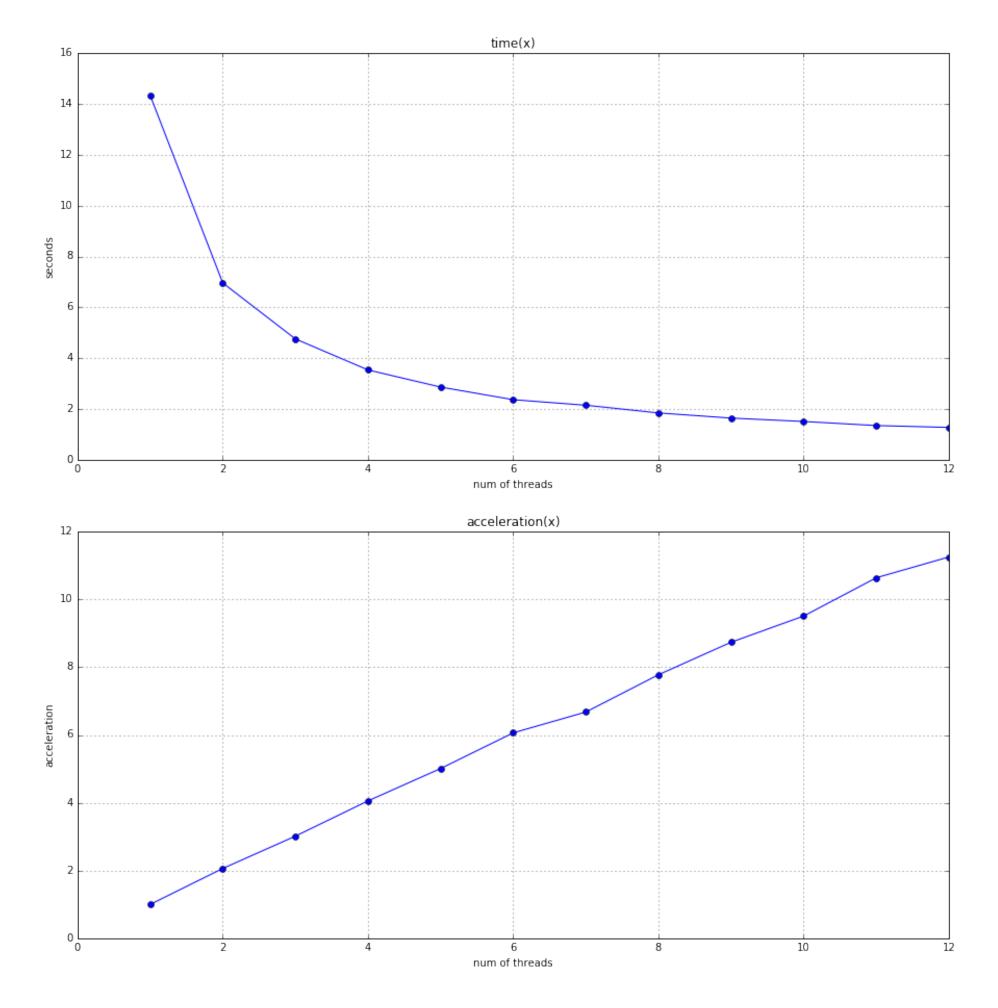
```
In [1]: import numpy as np
         import matplotlib.pyplot as plt
         import scipy.stats as sps
         import math
         import scipy
         from collections import Counter
         import copy
         %matplotlib inline
In [10]: def build_time_plot(t1):
             n = np.arange(len(t1)) + 1
             plt.figure(figsize=(15,7))
             plt.grid(True)
             plt.title('time(x)')
             plt.xlabel('num of threads')
             plt.ylabel('seconds')
             plt.plot(n,t1,'-o')
             plt.show()
         def build_acceleration_plot(t1) :
             n = np.arange(len(t1)) + 1
             aclr = [t1[0]/t for t in t1]
             plt.figure(figsize=(15,7))
             plt.grid(True)
             plt.title('acceleration(x)')
             plt.xlabel('num of threads')
             plt.ylabel('acceleration')
             plt.plot(n,aclr,'-o')
             plt.show()
```

1

Без семафоров, возвращение через join



2

Общая переменная

