

```
import time

long_max = 10000 #number of sequences to consider
time_lib = np.zeros ((long_max - 11)) #time for BDM
time_mi_lib = np.zeros ((long_max - 11)) #time for BDMNN
lib = np.zeros ((long_max - 11)) #complexity by BDM
mi_lib = np.zeros ((long_max - 11)) #complexity by BDMNN
longs = np.zeros ((long_max - 11))

for i in range (12, long_max + 1) :
    prueba = np.random.choice (2, i).reshape (1, i)
    start = time.process_time () #start timimng for BDMNN
    mi_lib[i - 12] = kolmo (prueba)
    time_mi_lib[i - 12] = time.process_time () - start
    start = time.process_time () #start timimng for BDM
    lib[i - 12] = bdm.bdm (prueba[0])
    time_lib[i - 12] = time.process_time () - start
    longs[i - 12] = i
```