

```
import numpy as np

def U(): return np.random.rand() # δοθείσα εκ της εκφώνησης

N = 1000
p = 10**-3
T = 1000

for i in range(T):
    nDecays = 0
    for i in range(N):
        if U() < p: nDecays += 1
    N = N-nDecays

print('N = %d'%N)
```