```python
import math
import random
import matplotlib.pyplot as plt

n = 100
x = []
y = []
lamda = 1

for i in range(n):
    r = random.uniform(0,1);
    x.append(r)
    t = -(1/lamda)*math.log(1-r, math.e)
    y.append(t)

b = max(x)
a = min(x)
R = b-a
intervals = int(math.ceil(math.sqrt(n)))
width = R/intervals

plt.subplot(2,1,1)
plt.hist(x,intervals, density = width)
plt.subplot(2,1,2)
plt.hist(y,intervals, density = width)
```