

```
import numpy.random as rd

def saut(p):
    return 1 + rd.binomial(1, p)

def experience(p, k):
    s = 0
    while s < k:
        s += saut(p)
    if s == k:
        return 1
    else:
        return 0

def proportion(p, k):
    nb = 0
    for j in range(100):
        nb += experience(p, k)
    return nb / 100
```