

```
In [1]: import numpy
import random

winner = 0
N_all = []
N = 10000

for i in range(N):
    first = 5
    second = 20
    k = 0
    while (first > 0) and (second):
        k += 1
        a = random.randint(0,1)
        if a == 1:
            first -= 1
            second += 1
        else:
            first += 1
            second -= 1
    N_all.append(k)
    if second == 0:
        winner += 1

print("Вероятность победы первого игрока:", winner/N)
```

Вероятность победы первого игрока: 0.2005

In []: