2019年10月12日 11:55

一个射击运动员打靶,靶一共有10环,连开6枪打中45环的可能性有多少种? (每一枪最少是0环,最多是10环)

## • 思路

## 源代码

```
1 # -*- coding: utf-8 -*-
   # @Time : 2019/10/12 11:29
   # @Author : BaoBao
   # @Mail : baobaotql@163.com
    # @File : shooting.py
   # @Software: PyCharm
 8 times = 0
 9 def shooting(n, sum):
10
    global times
11
       if n<0:</pre>
12
           return
13
      elif (45 - sum) > (10*(n)):
14
           return
15
      elif (sum == 45) and (n == 0):
16
           times += 1
times += 1
17 return
18 for i in range(11):
19
           shooting(n - 1, sum + i)
20
21
   shooting(6,0)
22
23
24
    print('there are %d possibilities'%times)
```

## • 运行截图

C:\Users\79453\Anaconda3\python.exe "D:/华师工程中心/研一/课程 算法设计/coding tests/shooting.py" there are 14748 possibilities

Process finished with exit code 0