浙大23秋JAD W3作业 题目列表 提交列表 排名

题目描述

7-1 String Builder 分数 10

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You are going to read four numbers: n, a, b and c, like this:

```
12 2 5 3
```

First, *n* is used to build up a string from 0 to n, like this:

```
0123456789101112
```

is a string build up for *n=12*.

Then, in all the digits from index *a* to index *b*, count the appearence of digit *c*.

For the string above, *8 13* is:

```
891011
```

Thus the appearence of *1* is 4.

Input Format:

Four positive numbers, *n*, *a*, *b* and *c*, where $a < b < n < 10000$, and $0 <= c <= 9$..

Output Format:

One number represnets the length of the generated string.
One number represents the apprence of *c*.
There is a space between the two numbers.

Sample Input:

```
12 2 5 3
```

Sample Output:

```
16 1
```

代码长度限制	4 KB
时间限制	400 ms
内存限制	64 MB

Java (javac)

```java
1  //package org.example;
2
3  import java.util.Scanner;
4
5  public class Main {
6
7      public static void main(String[] args) {
8          // read in the information
9          Scanner in = new Scanner(System.in);
10         int n = in.nextInt();
11         int a = in.nextInt();
```

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