
Constant chains

X82423_en

In a sequence of numbers, a chain is a list of values in the sequence that appear in consecutive positions. Write a program that determines the starting position and length of the longest chain with all its values being the same.

Exam score: 3.70 **Automatic part:** 40.00%

Input

The input consists of a non-negative integer m followed by a series of m sequences. Each sequence is made up of one or more non-negative integers. Right after each sequence the -1 mark appears.

Output

For each sequence, a line with the starting position in the sequence of the longest chain whose values are all the same followed by its length. In case several chains reach the maximum length, we will write the starting position that corresponds to the first one. In this problem, the first element of a sequence is placed at position one.

Sample input

```
5
2 3 4 0 0 1 2 3 0 1 1 0 -1
1 -1
5 4 3 2 1 1 0 -1
1 1 1 1 1 0 0 0 0 0 2 2 2 -1
3 3 1 1 2 2 -1
```

Sample output

```
4 2
1 1
5 2
6 6
1 2
```

Problem information

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