Vector R V84883_en

A **vector R** is a vector that is composed of two parts:

$$v = x_1\ x_2\ x_3\ x_4 \ldots x_n\ y_1\ y_2\ y_3 \ldots y_m$$

such that the part $x_1 \ldots x_n$ and the part $y_1 \ldots y_m$ are ordered strictly in increasing order but $y_m < x_1$. We also have that $n, m > 0$. That is, neither part is empty.

We need to implement the **function** `int vectorR(const vector<int>& v)` with the following specification:

`PRE`: v is a vector R and $|v| \geq 3$.

`POST`: The position of y_1 in v.

Observation

You only need to send the function we ask for and the actions and functions that you define yourself. The rest will be ignored.

Input

An undetermined number of vectors R with the following format: an integer indicating their size, and then the vector R. Every vector R has a size greater than or equal to 3.

Output

The position within the vector where y_1 is.

Sample input

```
15
11 12 13 14 15 1 2 3 4 5 6 7 8 9 10

15
3 4 5 6 7 8 9 10 11 12 13 14 15 1 2

15
15 1 2 3 4 5 6 7 8 9 10 11 12 13 14

15
2 3 4 5 6 7 8 9 10 11 12 13 14 15 1
```

Sample output

```
5
13
1
14
```

Problem information

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