Vector V V88097_en

A **vector V** 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 $x_1 \ldots x_n$ is ordered in a strictly **decreasing** manner and $y_1 \ldots y_m$ is ordered in a strictly **increasing** manner. Furthermore, $x_n > y_1$. Finally, we have that $n, m > 0$. That is, neither part is empty.

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

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

`POST:` The position of y_1 in v.

Observation

IMPORTANT: You only need to submit the requested function, and possibly other necessary actions and functions. However, you must keep the type definitions and `#include`s.

Input

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

Output

The position within the vector where y_1 is.

Sample input 1

```
15
7 6 5 4 3 2 1 2 3 4 5 6 7 8 9

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

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

5
2 1 3 5 7

10
5 4 3 2 1 6 7 18 29 30
```

Sample output 1

```
6
12
13
1
4
```

Problem information

Author: PRO1

Generation: 2026-01-25T13:13:36.426Z