Outlier

Input File: outlier.txt

You have noticed that several problems on your previous tests took longer than expected. The instructions state that the time required for each problem should be close to a nondecreasing arithmetic sequence. What they don't state is how the fourth problem ended up taking more time than the last problem….

You talk to your classmates, who also have had this issue. They have called problems that take more time than they should *outliers*. You would like to identify these outliers.

Input:

Two space separated integers, *n* and *x*, specifying number of tests ($0 < n < 10$) and number of problems on each test ($3 < x < 10$).

For the next *n* lines, there are *x* space-separated integers, each integer specifying the time it took to complete the problem.

Output:

For each test, print the problem number (one more than the number of problems preceding it) of the outlier.

Sample Input:

```
4 5
1 2 15 4 5
2 2 2 3 2
1 4 3 4 5
10 9 10 11 12
```

Sample Output:

```
3
4
2
1
```