Increasing Matrix Row X41891_en

Write a program that finds out whether a given matrix has an increasing row; that is, a row where each element (except the first) is strictly larger than the preceding one.

Input

The input presents first the dimensions of the matrix, non-negative integers m and n, both in the same line; then m lines follow, each containing n integers: each line is a matrix row.

Output

The first row of the matrix where all elements, except the first, are strictly larger than the preceding element, if some such row exists; the text "No increasing row found." otherwise.

Sample input 1

```
4 3
3 2 1
2 2 2
1 2 3
4 3 2
```

Sample output 1

```
1 2 3
```

Sample input 2

```
6 3
3 2 1
3 3 3
3 4 3
-1 1 0
0 0 0
20000 0 50000
```

Sample output 2

```
No increasing row found.
```

Problem information

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