Graph Contest 2 P1 - Connected Components

Time limit: 1.0s **Memory limit:** 16M

Given an undirected graph (as an adjacency matrix, of course) output all its connected components.
You may output the components in any order, but for each component output the vertices in increasing order.

Input Specification

$N \leq 1\,000$, the number of vertices.
An adjacency matrix, N rows with N numbers (`0` or `1`).
The matrix will be symmetrical (it is undirected!).

Output Specification

The components, one per line.
Each line should be in sorted order.

Sample Input

```
5
0 0 0 0 0
0 0 0 0 0
0 0 0 1 1
0 0 1 0 1
0 0 1 1 0
```

Sample Output

```
1
2
3 4 5
```