

The first line of the input file contains the number N – the number of vertices ($1 \leq N \leq 100$). Next are the N lines. The second row contains a description of all edges descending from the i -th vertex. The description begins with the number of outgoing edges. The following are the numbers of the vertices to which these edges go. All vertices are numbered by natural numbers from 1 to N . It is guaranteed that the i -th adjacency list does not contain the number i , and all lists do not contain duplicate numbers.

Derive the adjacency matrix of the directed graph.

Sample input:

```
3
2 2 3
0
1 2
```

Sample output:

```
0 1 1
0 0 0
0 1 0
```