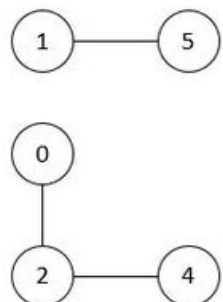


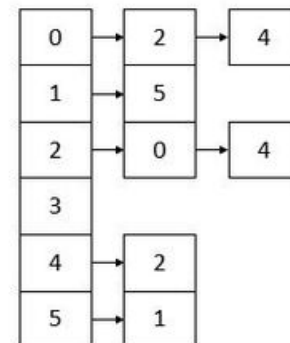
# Q1 - adjacency list with DFS

In this challenge, the input is a adjacency matrix of a undirected graph, you need to compute its connected component labeling using DFS.



	0	1	2	3	4	5
0	0	0	1	0	0	0
1	0	0	0	0	0	1
2	1	0	0	0	1	0
3	0	0	0	0	0	0
4	0	0	1	0	0	0
5	0	1	0	0	0	0

Adjacency Matrix



Adjacency List

## Input Format

The first line N is the number of the graph's vertices. The second line is the size NxN adjacency matrix.

## Output Format

Please print all the connected components, show the vertices in each connected component in one line. You also need to print the isolated nodes as a connected component. Remember to order the vertices from least to greatest for each connected component.

## Sample Input 0

```
6
0 0 1 0 0 0
0 0 0 0 0 1
1 0 0 0 1 0
0 0 0 0 0 0
0 0 1 0 0 0
0 1 0 0 0 0
```

## Sample Output 0

```
0 2 4
1 5
3
```