Components

Problem Statement

You will be given an undirected graph as input. You need to tell the number nodes in each component in ascending order.

Note: There will be no component with single node.

Input Format

- First line will contain **N**, the number of nodes and **E**, the number of edges. The value of nodes will be from **0 to 1000**.
- Next **E** lines will contain **A, B** which means there is a edge between node A and B.

Constraints

1. 1 <= **N, E** <= 1000

Output Format

- Output the number of nodes in each component in ascending order.

Sample Input 0

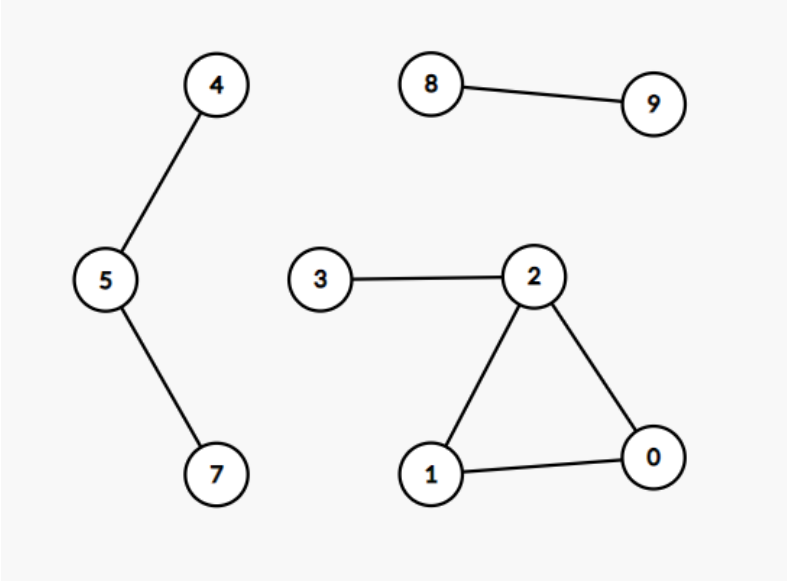
```
9 7
0 1
1 2
0 2
2 3
4 5
5 7
8 9
```

Sample Output 0

```
2 3 4
```

Explanation 0

```
The components are shown for the sample test case:
```



Sample Input 1

```
5 3
999 1000
100 500
500 600
```

Sample Output 1

```
2 3
```

Submissions: 128
Max Score: 20
Difficulty: Medium

Rate This Challenge:

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C++20

```cpp
#include <bits/stdc++.h>

using namespace std;


int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

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