Print adjacency list 3
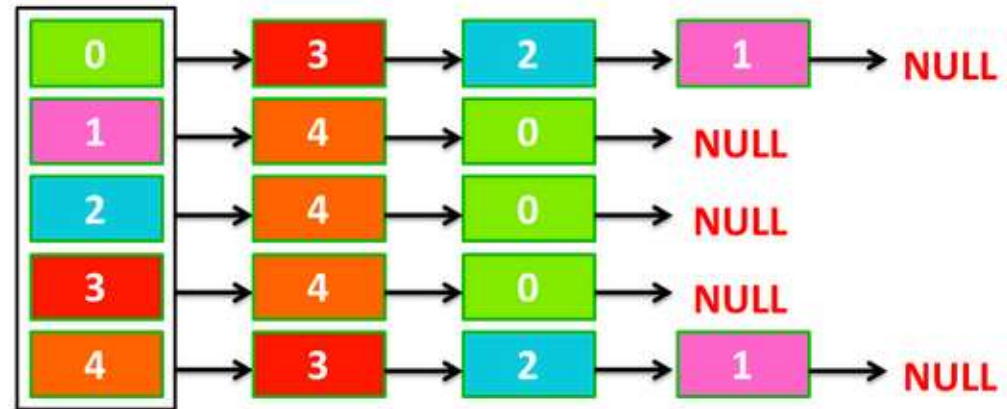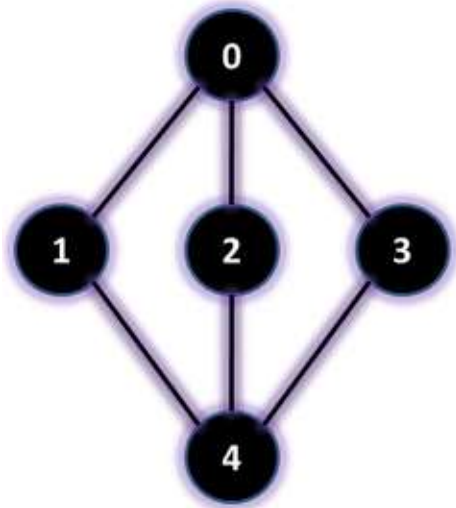
Problem	Submissions	Leaderboard	Discussions

Given the number of edges 'E' and vertices 'V' of a bidirectional graph.
Your task is to build a graph through the adjacency list and print the adjacency list for each vertex.

Adjacency list

This is the adjacency list for the given graph.

Input Format

The first line of input is T denoting the number of test cases. Then the first line of each test case contains two positive integers V and E. Where 'V' is the number of vertexes and 'E' is the number of edges in a graph. Next, the 'E' line contains two positive numbers showing that there is an edge between this two vertex.

Constraints

$1 <= T <= 200$

$1 <= V <= 103$

$1 <= E <= V*(V-1)$

Output Format

For each vertex, print their connected nodes in the order you are pushing them inside the list. See the given example.

Sample Input 0

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

Sample Output 0

```
0-> 1-> 4
1-> 0-> 2-> 3-> 4
2-> 1-> 3
3-> 1-> 2-> 4
4-> 0-> 1-> 3
0-> 1-> 2
1-> 0-> 2
2-> 1-> 0
```

Java 7

```java
import java.io.*;
import java.util.*;
import java.text.*;
import java.math.*;
import java.util.regex.*;

public class Solution {

    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should
    be named Solution. */
        Scanner sc=new Scanner(System.in);
        int t=sc.nextInt();
        for(int c=0;c<t;c++){
            int v=sc.nextInt();
            int e=sc.nextInt();
            ArrayList<Integer>[] arr=new ArrayList[v];
            for(int i=0;i<v;i++)
                arr[i]=new ArrayList<>();
            for(int i=0;i<e;i++){
                int st=sc.nextInt();
                int ed=sc.nextInt();
                arr[st].add(ed);
                arr[ed].add(st);
            }
            for(int i=0;i<v;i++){
                System.out.print(i);
                for(int j=0;j<arr[i].size();j++){
                    System.out.print("-> "+arr[i].get(j));
                }
            }
```

```
30                System.out.println();
31            }
32        }
33    }
34 }
```

Line: 1 Col: 1

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