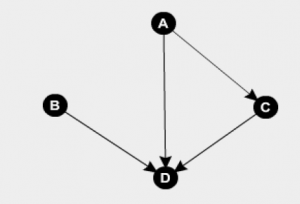
**Sum of dependencies in a graph**

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Given a directed graph with n nodes. If there is an edge from u to v then u depends on v. Our task is to find out the sum of dependencies for every node.



Example:  
For the graph in diagram, A depends on C and D i.e. 2, B depends on D i.e. 1, C depends on D i.e. 1  
and D depends on none.  
Hence answer -> 0 + 1 + 1 + 2 = 4

**Input:**  
The first line of input contains an integer T denoting the no of test cases. Then T test cases follow. The first line of each test case contains two integers N and E denoting the no of vertices and edges of the graph. Then in the next line are E pairs u and v denoting an edge from u to v.  
  
**Output:**  
For each test case in a new line print the required output.  
  
**Constraints:**  
1<=T<=100  
1<=N,E<=150  
  
**Example:  
Input:**  
2  
4 4   
0 2 0 3 1 3 2 3  
4 3   
0 2 0 1 0 3  
**Output:**  
4  
3

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problems/sum-of-dependencies-in-a-graph/0>

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\*/

package javaapplication249;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Collections;

import java.util.HashSet;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication249 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String[] ne = br.readLine().trim().split(" ");

int n = Integer.parseInt(ne[0]);

int e = Integer.parseInt(ne[1]);

String[] input = br.readLine().trim().split( " ");

System.out.println(input.length/2);

}

}

}