HUSTack

Problem: Week 5 - Hamiton Cycle

Description

Given an undirected graph G = (V,E). Write a program to check if G is a Hamiltonian graph.

Input

- Line 1: a positive integer T (number of graphs)
- Subsequent lines are information about T graphs, each has the following format:
  - Line 1: n and m (number of nodes and edges)
  - Line i+1 (i = 1, 2, ..., m): u and v : two end points of the ith edge

Output

- In the i^{th} line, write 1 if the corresponding is a Hamiltonian graph, and write 0, otherwise

Example

Input

2

5 5

1 2

1 3

2 4

2 5

3 5

7 13

1 3

1 5

1 7

2 4

2 5

2 6

3 4

3 5

3 7

4 6

4 7

5 7

6 7

Output

0

1

Sample TestCase

C 17

```
1  Write your Source code here
```

Source code

C 17

```c
//C
#include <stdio.h>

int main()
{

}
```

SUBMIT CODE

Currently, this contest problem is not open for submissions

Or

C 17

Select file

SUBMIT

Tìm kiếm

ID	Bài tập	Trạng thái	Mes
395bbc	HAM_CYCLE	Accept	

5 hàng 1-1 của 1