

**Question :**

In Instagram, there are N private accounts and the account name has values from 0 to N-1. In Instagram private accounts, only the direct follower can see one's posted photos. The N accounts will only connect to their friends only. You are given a follower account and following account and check if the follower can see the photos posted in the given following account. If yes print 1 else 0.

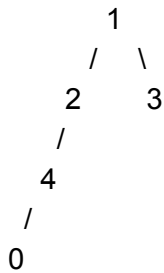
**Input Description:**

Number of private accounts(N), Number of connections(M)

M lines of connections

Follower account

Following account

**Sample Graph:****Output Description:**

"1" or "0"

**Test Cases:****Test Case 1:**

Input

5 4

4 0

1 2

1 3

2 4

1

0

Output

0

**Test Case 2:**

Input

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

***Test Case 3:***

Input  
5 4  
4 0  
1 2  
1 3  
2 4  
1  
3  
Output  
1