Problem: CowBook friends

Problem Statement:

Farmer Evan wants his cows to be more social. He will use the social network “CowBook” developed by Sam Koski. This network allows the cows to add their friends. So if Paydrow the cow adds Towmas the cow, both of them will show up in each other’s friends list. Evan wants to introduce cow A to cow B if cow A has a friend who is a friend of cow B, or if cow A has a friend who has a friend who is a friend of cow B, etc. Each cow has an ID assigned to it because Evan doesn’t feel like memorizing their names. Given the number of cows and a list of who is friends with who, you have to help Evan see if he should make a series of cows meet. The cows should not meet if they are already friends.

Input:

The number of cows (N). The number of friendships (F). F lines will follow with two integers per line indicating the IDs of two cows who are friends. The number of pairings that Evan wants to try (P). P lines will follow with the IDs of the cows that Evan wants to pair.

Output:

If the two cows meet the requirements, print “Ya like Jazz?” which is the cows’ favorite pick up line. If they do not meet the requirements, print “No new Friends”

Sample input:

10

8

0 1

3 4

4 5

5 6

5 7

7 8

7 9

6 9

7

0 1

0 2

0 3

5 8

5 9

4 5

2 8

Sample Output:

No New Friends

No New Friends

No New Friends

Ya likes Jazz?

Ya like Jazz?

No New Friends

No New Friends