Finding Way

You are given a directed graph G consisting of N nodes, from 1 to N, and M edges. You have to check whether there exists a way from node 1 to node N and back such that each edge is used once and only once. If it exists, print “Yes”, else print “No”.

Note: There can be multiple edges joining the same two nodes.

Constraints:

$1 \le T \le 40$
$1 \le N \le 10^5$
$0 \le M \le 2 \times 10^5$

Time limit : 1 sec

Input format:

The first line contains T : the number of test cases. Each test case contains N and M separated by space. Next M lines contains n1 and n2 separated by a space where n1 and n2 represents the nodes.

Output format:

Output T lines . For each test case, print either “Yes” or “No” (without quotes).

Sample Input:
2
4 4
1 2
2 3
3 4
4 1
4 3
1 2
2 3
3 1

Sample Output:

Yes
No