|  |  |
| --- | --- |
| **Is it a tree**    Problem code: PD31 | * [SUBMIT](https://www.codechef.com/submit/PD31) * [MY SUBMISSIONS](https://www.codechef.com/status/PD31,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/PD31) |

**All submissions for this problem are available.**

You are given an unweighted, undirected graph. Write a program to check if it's a tree topology.

**Input**

The first line of the input file contains two integers N and M --- number of nodes and number of edges in the graph (0 < N <= 10000, 0 <= M <= 20000). Next M lines contain M edges of that graph --- Each line contains a pair (u, v) means there is an edge between node u and node v (1 <= u,v <= N).

**Output**

Print YES if the given graph is a tree, otherwise print NO.

**Example**

**Input:**

3 2

1 2

2 3

**Output:**

YES

<https://www.codechef.com/problems/PD31>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("YES");

Console.ReadLine();

}

}

}