

easy_Visiting-a-Friend

提交链接 / Submit

<https://codeforces.com/problemset/problem/902/A>

(You need register/login first before submit.)

(在提交前你需要先注册或登录)

题目描述 / Description

Pig is visiting a friend.

皮格将拜访一位朋友.

Pig's house is located at point 0, and his friend's house is located at point m on an axis.

皮格的房子在点0处,他朋友在数轴上的点 m 处.

Pig can use teleports to move along the axis.

皮格能使用意念传送点在数轴上移动.

To use a teleport, Pig should come to a certain point (where the teleport is located) and choose where to move: for each teleport there is the rightmost point it can move Pig to, this point is known as the limit of the teleport.

为了使用意念传送点,皮格需要来到一个恰当的点(这个点是意念传送点的位置)并且选择一个地方为目的: 对每个传送点有一个向右移动的最远点, 这个点是传送点的极限。

Formally, a teleport located at point x with limit y can move Pig from point x to any point within the segment $[x; y]$, including the bounds.

正式地说, 一个意念传送点在点 x 处, 有一个限制 y , 意味着皮格能从点 x 到任何一个在区间 $[x,y]$ 的点, 包括边界。

Determine if Pig can visit the friend using teleports only, or he should use his car.

请计算出皮格能否只使用意念传送点去拜访他的朋友, 否则他应该开他的车。

输入 / Input

The first line contains two integers n and m ($1 \leq n \leq 100$, $1 \leq m \leq 100$) — the number of teleports and the location of the friend's house.

第一行包括两个整数 n 和 m ($1 \leq n \leq 100$, $1 \leq m \leq 100$) - 意念传送点的数量和朋友的坐标

The next n lines contain information about teleports.

接下来 n 行是关于意念传送点的信息

The i -th of these lines contains two integers a_i and b_i ($0 \leq a_i \leq b_i \leq m$), where a_i is the location of the i -th teleport, and b_i is its limit.

这些行中的第*i*行包括两个数 a_i 和 b_i ($0 \leq a_i \leq b_i \leq m$), a_i 是第*i*个传送点的位置, b_i 是它的限制。

It is guaranteed that $a_i \geq a_{i-1}$ for every i ($2 \leq i \leq n$). 数据保证对每一个*i*, $a_i \geq a_{i-1}$ ($2 \leq i \leq n$)

输出 / Output

Print "YES" if there is a path from Pig's house to his friend's house that uses only teleports, and "NO" otherwise.

输出"YES" 当这里只用传送点有一条路从皮格的家到他朋友那里, 否则输出"NO".

You can print each letter in arbitrary case (upper or lower).

输出不区分大小写

样例 / Example

input1

3 5

0 2

2 4

3 5

output1

YES

input2

3 7

0 4

2 5

6 7

output2

NO

答案 / Solutions

[Writeup](#)

[Python](#)

[C++](#)