

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

J. M-islands

time limit per test: 2 seconds🔔
memory limit per test: 256 megabytes

There are m islands numbered from 1 to m , and n ships. Each ship has a group of islands numbered from L to R ($1 \leq L \leq R \leq m$) and can transport passengers between any two of them.

There are q persons, each of them wants to go from the island u to the island v . Your job is to find out if he can go or not

Input

The First line contains two numbers n, m ($1 \leq m \leq 10^9, 1 \leq n \leq 10^5$)

The next n lines contains L, R for the current ship ($1 \leq L \leq R \leq m$)

The next line contains a number q ($1 \leq q \leq 10^5$)

The next q lines contains u, v for the current person ($1 \leq u, v \leq m$)

Output

Print q lines each of them contains "YES" if this person can go and "NO" otherwise.


Example

input	Copy
5 20 1 2 2 3 5 9 7 10 15 20 9 1 2 1 3 2 3 1 4 5 4 5 10 6 9 16 19 5 16	
output	Copy
YES YES YES NO NO YES YES YES YES NO	

ICPC Assiut University Training - Juniors Phase 1 Sheets-2022

Public

Participant




→ Group Contests

- Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)
- Juniors Phase 1 Practice #4 (Binary search , Two pointers)
- Juniors Phase 1 Practice #3 (STL 2)
- Juniors Phase 1 Practice #2 (STL 1)
- Juniors Phase 1 Practice #1 (Prefix sum , Frequency Array)

Juniors Phase 1 Practice #2 (STL 1).

Finished

Practice



→ About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
310161938	Mar/11/2025 21:57	Accepted