# A. Puzzle Pieces

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input

output: standard output

You are given a special jigsaw puzzle consisting of  $n \square m$  identical pieces. Every piece has three tabs and one blank, as pictured below.

The jigsaw puzzle is considered solved if the following conditions hold:

- 1. The pieces are arranged into a grid with n rows and m columns.
- 2. For any two pieces that share an edge in the grid, a tab of one piece fits perfectly into a blank of the other piece.

Through rotation and translation of the pieces, determine if it is possible to solve the jigsaw puzzle.

### Input

The test consists of multiple test cases. The first line contains a single integer t ( $1 \le t \le 1000$ ) — the number of test cases. Next t lines contain descriptions of test cases.

Each test case contains two integers n and m ( $1 \le n, m \le 10^5$ ).

### Output

For each test case output a single line containing "YES" if it is possible to solve the jigsaw puzzle, or "NO" otherwise. You can print each letter in any case (upper or lower).

### Example

# input 3 13 100000 1000000 22 output YES NO YES

## Note

For the first test case, this is an example solution:

For the second test case, we can show that no solution exists.

For the third test case, this is an example solution: