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blem code: CHEFF			ALL SUBMISSIONS	MY SUBMISSIONS
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All submissions for this problem are available.

SUCCESSFUL SUBMISSIONS

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Read problems statements in $\underline{\text{Mandarin Chinese}}$, $\underline{\text{Russian}}$ and $\underline{\text{Vietnamese}}$ as well.

Chef is stuck in a two dimensional maze having **N** rows and **M** columns. He needs to get out of the maze as soon as possible and arrive at the kitchen in order to serve his hungry customers. But, he can get out of the maze only if he is able to successfully find any *magical* path in the given maze.

A path is defined as *magical* if it starts from any of the cell **(a,b)** of the maze and ends at the cell **(c,d)** such that the following conditions are satisfied:-

- |a c| + |b d| = 1
- All the cells in the maze are traversed exactly once.
- It is allowed to move only in the four directions up, down, left and right from the current cell.

Input

- First line of the input contains an integer **T** denoting the number of different types of scenarios.
- Each of the next T lines will contain two integers N, M denoting the dimensions of the maze.

Output

For each of the **T** scenarios, output a single line containing "**Yes**" or "**No**" (without quotes) denoting whether the Chef can get out of the maze or not.

Constraints

- $1 \le T \le 10^5$
- $1 \le N, M \le 10^{18}$

Subtasks

Subtask #1: (30 points)

- 1 ≤ T ≤ 100
- 1 ≤ N, M ≤ 10

Subtask #2 : (70 points)

Original Constraints

Example

Input:

22

Output:

Yes

Explanation

Example case 1.

Chef can start from (1,1), move down to (2,1), then move right to (2,2) and finally move upwards to reach (1,2). As, he is able to visit all the cells exactly once and sum of absolute differences of corresponding x and y dimension is 1, we can call this path a *magical* path.

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Editorial:	http://discuss.codechef.com/problems/CHEFPATH
Tags:	april16 hamiltonian prateekg603 simple
Date Added:	3-03-2016
Time Limit:	1 sec
Source Limit:	50000 Bytes
Languages:	ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 4.9.2, CPP14, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYPY, PYTH, 9.1.2, RUBY, SCALA, SCM chicken, SCM guile, SCM qobi, ST, TCL, TEXT, WSPC

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CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

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Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

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Here is where you can show off your **computer programming** skills. Take part in our 10 day long monthly **coding contest** and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

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Contest Hosting	<u>Hard</u>	Campus Chapters
Problem Setting	<u>Challenge</u>	
CodeChef Tutorials	<u>Peer</u>	
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