

Candy Distribution

Chef has N candies. He has to distribute them to exactly M of his friends such that each friend gets **equal** number of candies and each friend gets **even** number of candies. Determine whether it is possible to do so.

NOTE: Chef will not take any candies himself and will distribute **all** the candies.

Input Format

- First line will contain T , number of test cases. Then the test cases follow.
- Each test case contains of a single line of input, two integers N and M , the number of candies and the number of friends.

Output Format

For each test case, the output will consist of a single line containing **Yes** if Chef can distribute the candies as per the conditions and **No** otherwise.

You may print each character of the string in uppercase or lowercase (for example, the strings `yes`, `Yes`, `yEs`, and `YES` will all be treated as identical).

Constraints

- $1 \leq T \leq 1000$
- $1 \leq N, M \leq 1000$

Sample 1:

Input	
Output	
4	
9 3	
4 1	No
4 2	Yes
8 3	Yes
	No

Explanation:

Test case 1: Since Chef has 9 candies and 3 friends, each friend will get $\frac{9}{3} = 3$ candies. Since 3 is not even, Chef doesn't satisfy the conditions.

Test case 2: Since Chef has 4 candies and 1 friend, each friend will get $\frac{4}{1} = 4$ candies. Since 4 is even, Chef satisfies all the conditions.

Test case 3: Since Chef has 4 candies and 2 friends, each friend will get $\frac{4}{2} = 2$ candies. Since 2 is even, Chef satisfies all the conditions.

Test case 4: Since Chef has 8 candies and 3 friends. Since Chef won't be able to distribute all the candies equally, Chef does not satisfy all the conditions.