Problem

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:

Sample 1:

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

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.