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.

Sample 1:

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

```python
# Update the code below to solve the problem

t = int(input())
for i in range(t):
    n, m = map(int,input().split())
    if (n%m == 0) and ((n//m)%2 == 0):
        print("Yes")
    else:
        print("No")
```

Test against Custom Input

```
4
9 3
4 1
4 2
```

Input

Run | Submit | Next