

Equation Equals Hazards

You are given the equation, $\text{GCD}(A, M) = 1$. You have to determine whether there exists at least one integer X such that $A * X \bmod M = 1$.

Input:

Input starts with an integer T , denoting the number of test cases. Each test case contains two integers A and M .

Constraints:

$T \leq 1000$

$1 \leq A, M \leq 1000000$

Output:

For each test case of input, print "Yes" if there exists at least one integer X such that $A * X \bmod M = 1$, print "No" otherwise.

Sample Input	Sample Output
1	Yes
7 13	

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