Problem

Chef has two numbers A and B.

In one operation, Chef can choose either A or B and multiply it by 2.

Determine whether he can make both A and B equal after any number (possibly, zero) of moves.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- Each test case consists of two space-separated integers A and B.

Output Format

Output Format

For each test case, output `YES` if Chef can make both numbers equal, `NO` otherwise.

Note that the checker is case-insensitive i.e. `YES`, `Yes`, `yes`, `yES` are all considered same.

Constraints

- $1 \leq T \leq 2500$
- $1 \leq A, B \leq 50$

Sample 1:

Input	Output
4 5 20 6 6 12 2 50 20	YES YES NO NO

Explanation:

Test case 1**:** Chef can multiply A by 2 twice and both A and B will become 20.

Test case 2**:** Both numbers are already equal.

Test case 3**:** It can be shown that A and B cannot be made equal.

Test case 4**:** It can be shown that A and B cannot be made equal.