

Equal to product

Given an array of integers check whether there are two numbers present with given product.

Input:

The first line of input contains an integer T denoting the number of test cases.

The first line of each test case is N and a product p.

The second line of each test case contain N number of a[].

Output:

Print Yes if two numbers product is equal to p else No.

Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 200$$

$$0 \leq a[] \leq 1000$$

$$1 \leq \text{pro} \leq 2000000$$

Example:

Input:

2

5 2

1 2 3 4 5

8 46

5 7 9 22 15 344 92 8

Output:

Yes

No