malindupasan 🗸

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# Can you divide that

Problem

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Kalindu is shoolboy that just learned what factorials are. Since he loved mathematics and wanted to learn more, his older brother Malindu decided to gave him a challenge.

Malindu wrote down a bunch of numbers  $A=[x_1,x_2,x_3,\ldots x_n]$  and gave Kalindu another number y. He challenged Kalindu to find out quickly whether the sum of the factorials of the numbers in  $m{A}$  is divisible by the factorial of  $m{y}$ 

If it is divisible, print "yes". Otherwise print "no"

## **Input Format**

the first line contains  $\boldsymbol{t}$ , the number of testcases. then there are  $oldsymbol{t}$  occurences of

- one line containing n and y (space seperated)
- ullet one line containing  $x_1 \; x_2 \; x_3 \; \ldots \; x_n$  (space seperated)

#### Constraints

 $1 \leq x_i, y \leq 100$ 

 $1 \le t \le 1000$ 

 $1 \leq n \leq 1111111$ 

## **Output Format**

 $oldsymbol{t}$  lines containing yes or no

## Sample Input 0

4 2 1 7 5 4 3

## Sample Output 0

yes no

Submissions: 8 Max Score: 100

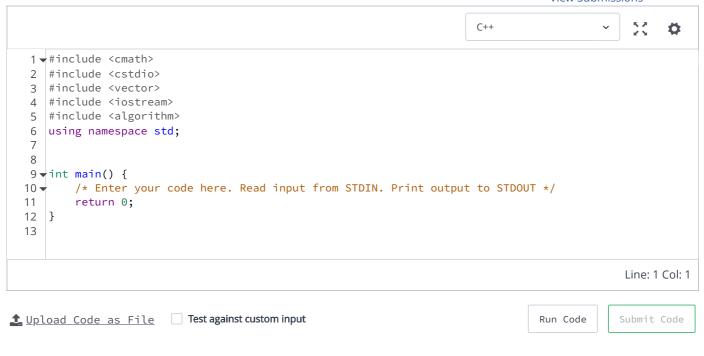
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