CODEFORCES
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E. Jersey

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Harry is a massive fan of CPL. For the first time, he will watch the match at the stadium. Harry is so excited, and before entering the stadium, he sees people buying jerseys. He decides to buy one. He has m rupees in his wallet. There are n cloth outlets outside the stadium, and the price at i^{th} store is a_i rupees. Harry can buy a jersey at j^{th} store only if $a_j \leq m$. Print "YES" (without quotes) if Harry can buy a jersey at any of the outlets. Else, Print "NO" (without quotes)

Input

The first line contains a single integer $t(1 \leq t \leq 10^5)$ — the number of test cases. The description of test cases follows.

The first line of each test case contains two integers $n(1 \leq n \leq 10^3)$ and $m(1 \leq m \leq 10^5)$ — the number of outlets and the money in rupees in Harry's wallet.

The second line of each test case contains n integers $a_1, a_2, \ldots, a_n(1 \leq a_i \leq 10^5)$ — the elements of the array.

It is guaranteed that the sum of n over all test cases does not exceed 10^6

Output

For each test case, Print "YES"(without quotes) if Harry can buy a jersey at any of the outlets. Else, Print "NO" (without quotes)

You may print every letter in any case you want (so, for example, the strings "yEs", "yes", "Yes" and "YES" will all be recognized as positive answers).

Example

input	Copy

```
3
3 5
4 5 6
4 3
4 5 6 7
3 5
5 5 5
```

output	Copy

```
YES
NO
YES
```

Note

In the first test case, Harry has 5 rupees, so he can buy the jersey at the 1st outlet or at the 2nd one

In the second test case, Harry has 3 rupees, and prices at all the stores are at least 4, so he cannot afford it.

In the third test case, Harry has 5 rupees, and prices at all the stores are equal to 5, so Harry can get a jersey at any of the stores.

Shaastra Programming Contest Prelims

Contest is running

00:37:59

Contestant

⭐

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Language: Java 17 64bit ▾

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