**Goki and his breakup**

Goki recently had a breakup, so he wants to have some more friends in his life. Goki has **N** people who he can be friends with, so he decides to choose among them according to their skills set **Yi**(1<=i<=n). He wants atleast **X**skills in his friends.  
Help Goki find his friends.

**INPUT**  
First line of the input contains an integer **N** denoting the number of people.

Next line contains a single integer **X** - denoting the minimum skill required to be Goki's friend.

Next n lines contain one integer **Y** - denoting the skill of **i**th person.

**OUTPUT**  
For each person print if he can be friend with Goki. '**YES' (without quotes)** if he can be friends with Goki else '**NO' (without quotes)**.

**CONSTRAINTS**

**1<=N<=1000000  
1<=X,Y<=1000000**

**SAMPLE INPUT**

5

100

110

130

90

100

45

**SAMPLE OUTPUT**

YES

YES

NO

YES

NO

**Explanation**

X is 100, so the first query is 110, so as 110 is greater than 100 answer is YES.