

## C. Unique Roll Number

Input file:            **standard input**  
Output file:         **standard output**  
Time limit:          1 second  
Memory limit:       256 megabytes

**Saiful**, an enthusiastic student of **Northern University of Business and Technology Khulna**, wants to organize a competitive programming contest exclusively for the students of his university. To manage the registrations, he creates a Google Form where students can sign up by entering their roll numbers.

At first, everything seemed to be going smoothly. But soon Saiful noticed something odd. Some overly excited (or perhaps overly sneaky) students filled the form multiple times—maybe to secure a better slot, maybe just for fun.

Now, with the contest date approaching fast, Saiful is facing a real challenge: verifying that every student has registered only once. He hands over the raw data to you, his trusted programmer friend, to help him clean up the list.

Your task is **check whether there are any duplicate entries in the list of roll numbers**.

If all roll numbers are unique, Saiful can proceed with his plans confidently. But if there are duplicates, he'll have to fix the registration sheet before proceeding.

If there is any duplicate value in the sheet, notify Saiful by printing **"YES"**; otherwise, print **"NO"**

### Input

The first line contains an integer  $N$  ( $1 \leq N \leq 2 \times 10^5$ ) — the number of form submissions.

The second line contains  $N$  space-separated integers  $a_1, a_2, \dots, a_N$  ( $1 \leq a_i \leq 10^9$ ) — the roll numbers submitted.

### Output

If every roll number appears no more than once, print any case-insensitive form of **"YES"** (such as YES, Yes, yEs, yeS, YeS, YES, yES, or yes).

Otherwise, print any case-insensitive form of **"NO"** (such as NO, No, nO, or no).

### Examples

standard input	standard output
10 1 1 1 1 1 1 1 1 1 1	NO
10 7 4 10 9 6 1 8 2 5 3	YES

### Note

For the first example, there is duplicate value, that's why the output is: NO

In the second example, all values are unique, that's why the output is: YES