6983 Matryoshka Dolls

The Cricket World Cup 2015 is nearing and it will be held in Australia and New Zealand. The organizing committee is planning to give a welcome gift to each team member. After careful thought and planning, they have decided on Matryoshka dolls.

A Matryoshka doll refers to a set of wooden dolls of strictly decreasing size, placed one inside the other. Any doll can contain only one doll directly inside it.

Given the sizes of N dolls, output 'YES' if it is possible to nest them all and have one doll on the outside and 'NO' otherwise.

Input

The input starts with T denoting the number of test cases. For each test case, the first line contains N, which is the total number of dolls.

The second line contains N space separated integers denoting the size of the dolls.

Output

Print 'YES' if the dolls can be nested inside each other and 'NO' otherwise. (quotes for clarity)

Constraints:

- $1 \le T \le 100$

- $1 \le N \le 100$

- $1 \le doll\ size \le 1000$

Explanation:

For the first case, there are 2 dolls of size 1 and hence cannot be nested inside each other.

For the second case, the doll with size 1 can be put inside the doll with size 2

Sample Input

```
3
3
3 1 1
2
1 2
4
10 2 5 3
```

Sample Output

```
NO
YES
YES
```