

Matryoshka Dolls

Problem Code: **AMR14D**

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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 <= T <= 100

1 <= N <= 100

1 <= doll size <= 1000

Sample Input -

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

Sample Output -

```
NO
YES
YES
```

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.

All submissions for this problem are available.

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Editorial:	https://discuss.codechef.com/problems/AMR14D
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