ACM ICPC Asia Amritapuri Site Regional 2014
Amrita University, Amritapuri & Coimbatore

SPONSORS

IBM | event sponsor

acm International Collegiate Programming Contest

IBM | event sponsor

Platinum Sponsor
Infosys

Silver Sponsor
facebook

Silver Sponsor
Directi

Problem D – 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 <= 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

Time limit to be provided separately