Problem Statement **Suggest Edit**

You are given an integer of array/list of length ‘N’, you are supposed to return true if it is possible to construct at least one non-degenerate triangle using values of array/list as sides of the triangle, otherwise, return false.

Input Format:

The first line contains a single integer ‘T’ denoting the number of test cases. The test cases follow.

The first line of each test case contains a single integer ‘N’ denoting the number of elements in the array.

The second line contains ‘N’ single space-separated integers denoting the elements of the array/list.

Output Format:

For each test case, print in a new line “YES”(without quotes) if it is possible to form a non-degenerate triangle, otherwise print “NO”(without quotes).

Note:

You don’t need to print anything; It has already been taken care of.

Constraints:

```
1 <= T <= 100
3 <= N <= 10^3
0 <= ARR[i] <= 10^9
```

Where ‘T’ denotes the number of test cases, ‘N’ denotes the number of elements in the array and ARR[i] denotes the elements of the array.

Time Limit: 1 sec

Sample Input 1 :

```
2
5
4 2 1 3 2
5
5 2 7 3 15
```

Sample Output 1:

```
YES
YES
```

Explanation Of Sample Input 1:

In the first test case, if we choose the sides as { 2,3,4} or {2,2,1} or {2,2,3} then it is possible to form a non-degenerate triangle.

In the second test case, if we choose sides as {5,3,7}, then it is possible to form a non-degenerate triangle.

Sample Input 2:

```
2
5
12 3 7 4 28
4
7 12 9 20
```

Sample Output 2:

```
NO
YES
```

Explanation Of Sample Input 2:

In the first test case, there is no possible way to choose three elements such that they will form the sides of a triangle.
In the second test case, if we choose the sides as {7,12,9} or {12,9,20}, then it is possible to form a non-degenerate triangle