DISTRIBUTION OF TOFFEES

Problem statement:

Teacher Suki loves his students very much. Now, she wants to distribute toffees among her students. She has a bag full of toffees. Since, she doesn't have time for counting, each time she randomly picks up some toffees from the bag and give them to a student. Now, she doesn't want to be called a bad teacher, so wants the toffees to be equally distributed as far as possible. She will be called a bad teacher if **any student gets at least two toffees more than any other student**. Otherwise, she will be called a good teacher.

Given the number of students and the number of toffees each student gets, can you say whether we should call her a bad teacher?

Input:

First line contains **t**, the number of test cases. The first line of each test case contains **n**, the number of students. The next line consists of **n** space separated numbers $\mathbf{x_i}$ **(1 <= i <= n)**, denoting the number of toffees i^{th} student gets.

Output:

Print “**GOOD**”(without quotes), if Teacher Suki can be called a good teacher, print “**BAD**”(without quotes) otherwise. Print each answer in a new line.

Constraints:

1 <= t <= 100
1 <= n <= 10^5
1 <= x_i <= 10^9

Sample:

Input:

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

Output:

```
GOOD
BAD
```