

## Professor and Parties

A professor once went to a party. As he did not meet any person of his intellect there, he got bored and started thinking of a problem. The problem was to identify if an ongoing party was an "only boys" party or an "only girls" party. As the rules are strict, no co-ed parties are allowed by the professor's research. After many researches, he came to a conclusion that if all the persons in the party are wearing different colored robes, then that is a girl's only party. If we even get one duplicate color, it must be a boy's party. He has now asked you, to code his theorem so that he may move on to more advance research.

### Input

The first line of each test case contains an integer  $T$ , denoting the no of test cases. Then  $T$  test cases follow. The first line of each test case contains an integer  $N$  denoting the no of people in the party. In the next line are  $N$  space separated values of  $A_i$  denoting the color of the robes.

### Output

For each test case in a new line print "BOYS" without quotes if it's a boy's party, else print "GIRLS".

### Constraints

$$1 \leq T \leq 100$$

$$1 \leq N \leq 100$$

$$1 \leq A_i \leq 750$$

### Example

#### Input

2

5

1 2 3 4 7

6

1 3 2 4 5 1

**Output**  
GIRLS  
BOYS