



**Problem A**  
John

Input File: A.IN  
Output File: standard output  
Program Source File: A.C, A.CPP, A.JAVA

Little John is playing very funny game with his younger brother. There is one big box filled with M&Ms of different colors. At first John has to eat several M&Ms of the same color. Then his opponent has to make a turn. And so on. Please note that each player has to eat at least one M&M during his turn. If John (or his brother) will eat the last M&M from the box he will be considered as a looser and he will have to buy a new candy box.

Both of players are using optimal game strategy. John starts first always. You will be given information about M&Ms and your task is to determine a winner of such a beautiful game.

**Input:**

The first line of input will contain a single integer **T** – the number of test cases. Next **T** pairs of lines will describe tests in a following format. The first line of each test will contain an integer **N** – the amount of different M&M colors in a box. Next line will contain **N** integers **A<sub>i</sub>**, separated by spaces – amount of M&Ms of *i*-th color.

**Output:**

Output **T** lines each of them containing information about game winner. Print “**John**” if John will win the game or “**Brother**” in other case.

**Constrains:**

$1 \leq T \leq 474$ ,  
 $1 \leq N \leq 47$ ,  
 $1 \leq A_i \leq 4747$

**Sample input:**

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

**Sample output:**

```
John
Brother
```