## M\&M Game

## English

## Vietnamese

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 loser 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 Ai, separated by spaces - amount of M\&Ms of i-th color.

## Constraints

$1<=\mathrm{T}<=474$,
$1<=\mathrm{N}<=47$,
$1<=\mathrm{Ai}<=4747$

## 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.

## Sample

## Input:

2
3
351
1
1

## Output:

John
Brother

