# Problem L. Alice and Bob

| | |
|---|---|
| Input file: | standard input |
| Output file: | standard output |
| Time limit: | 1 second |
| Memory limit: | 64 megabytes |

Alice and Bob like playing games.

There are $m$ numbers written on the blackboard, all of which are integers between 0 and $n$.

The rules of the game are as follows:

If there are still numbers on the blackboard, and there are no numbers with value 0 on the blackboard, Alice can divide the remaining numbers on the blackboard into two sets.

Bob chooses one of the sets and erases all numbers in that set. Then subtract all remaining numbers by one.

At any time, if there is a number with a value of 0 on the blackboard, Alice wins; otherwise, if all the numbers on the blackboard are erased, Bob wins.

Please determine who will win the game if both Alice and Bob play the game optimally.

## Input

The first line contains an integer $T(T \leq 2000)$ —the number of test cases.

The first line of each test case contains a single integers $n(1 \leq \sum n \leq 10^6)$ .

The second line of each test case contains $n + 1$ integers $a_0, a_1, a_2...a_n(0 \leq a_i \leq 10^6, \sum a_i = m)$ — there are $a_i$ numbers with value $i$ on the blackboard .

## Output

For each test case, print "Alice"if Alice will win the game, otherwise print "Bob".

## Example

| standard input | standard output |
|---|---|
| 2<br>1<br>0 1<br>1<br>0 2 | Bob<br>Alice |