Problem F
Stone
Time limit: 1 second
Memory limit: 256 megabytes

Problem Description

Alice and Bob are playing a game with some unbreakable stones. Initially there are some piles of stones, and they'll take turns splitting a pile. In each turn, a player should choose a pile with more than one stone and split it into at least two equivalent piles. Alice move first, and the player who can't make a valid move lose. Who will win the game if both of them play optimally?

Input Format

The first line contains an integer T ($T \leq 20$), the number of test cases. Each test case contains two lines. The first line contains an integer n ($n \leq 10000$), which is the number of piles. The second line contains n integers $a_1, a_2, \ldots, a_n$ ($a_i \leq 10^9$), giving the number of stones in each pile.

Output Format

For each test case, print "Alice" if Alice will win or "Bob" otherwise in one line.

Sample Input

```
3
2
3 15
3
3 5 15
4
3 5 15 21
```

Sample Output

```
Alice
Alice
Bob
```