Problem C. Conquer the Multiples

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	1024 megabytes

Alice and Bob are two brilliant strategists who stumble upon a mystical blackboard in an ancient temple, where a sequence of integers $l, l+1, \ldots, r$ is written. Next to the blackboard is a special number x, initially set to l.

The rules of the game are simple but challenging: Alice and Bob take turns erasing exactly one multiple of x from the blackboard, with Alice always making the first move. After each move, the value of x is increased by 1, and the game continues. If a player cannot erase a multiple of the current x, they lose the game.

Both players, eager to prove their tactical brilliance, will play optimally to secure victory. Can you determine which player will ultimately win this battle of multiples?

Input

This problem contains multiple test cases. The first line of input contains an integer T ($1 \le T \le 10^5$), denoting the number of test cases.

For each test case, there is only one line of input. This line contains two integers l, r ($1 \le l \le r \le 10^9$), denoting the range of numbers $(l, l+1, \ldots, r)$ initially on the blackboard.

Output

For each test case, output one line. If Alice will win, print "Alice" in this line. Otherwise, print "Bob".

Example

standard input	standard output
3 2 4 4 4 6 7	Alice Alice Bob