

Alice and Bob

Time Limit = 1s, Memory Limit = 32768KB

Bob is very famous because he likes to play games. Today he puts a chessboard in the desktop, and plays a game with Alice. The size of the chessboard is n by n . A stone is placed in a corner square. They play alternatively with Alice having the first move. Each time, player is allowed to move the stone to an **unvisited** neighbor square horizontally or vertically. The one who can't make a move will lose the game. If both play perfectly, who will win the game?

Input

The input is a sequence of positive integers each in a separate line. The integers are between 1 and 10000, inclusive, indicating the size of the chessboard. The end of the input is indicated by a zero.

Output

Output the winner ("Alice" or "Bob") for each input line except the last zero. No other characters should be inserted in the output.

Sample Input

```
2
0
```

Sample Output

```
Alice
```