


# Take Two Stones

**Problem ID:** twostones**CPU Time limit:** 1 second**Memory limit:** 1024 MB**Difficulty:** 1.2**Author(s):** Law Wai Hon**Source:** Hong Kong Regional Online Preliminary 2016**License:** 

Alice and Bob are playing a new game of stones. There are  $N$  stones placed on the ground, forming a sequence. The stones are labeled from 1 to  $N$ .

Alice and Bob in turns take exactly two consecutive stones on the ground until there are no consecutive stones on the ground. That is, each player can take stone  $i$  and stone  $i + 1$ , where  $1 \leq i \leq N - 1$ . If the number of stone left is odd, Alice wins. Otherwise, Bob wins.

Assume both Alice and Bob play optimally and Alice plays first, do you know who the winner is?

## Input

The input contains an integer  $N$  ( $1 \leq N \leq 10\,000\,000$ ), the number of stones.

## Output

Output the winner, "Alice" or "Bob" (without the quotes), on a line.

### Sample Input 1

### Sample Output 1

### Sample Input 2

### Sample Output 2

### Sample Input 3

### Sample Output 3