


Take Two Stones

Problem ID: twostones
CPU Time limit: 1 second
Memory limit: 1024 MB
Difficulty: 1.3

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?

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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

1

Sample Output 1

Alice

Sample Input 2

2

Sample Output 2

Bob

Sample Input 3

5

Sample Output 3

Alice