

1 Alice Game

时间限制: 1000ms 空间限制: 64MB

1.1 题目描述

Alice and Bob are playing a game.

There are n monsters in the game, and they stand in a line. Alice and Bob take turns. Each turn, the player can choose one of two actions:

1. Destroy a consecutive monster sequence of size less than or equal to K .

2. Select K consecutive monsters to destroy, and after destroying these K monsters, the sequential monster sequence in which they were originally located must be divided into two non-empty sequences. The two remaining sequences will not be considered continuous.

Here is an example of operation 2, if $K = 2$ and there are four monsters $ABCD$ in the field. Now we can destroy monsters BC because they are continuous, and after destroying them we can be left with monsters $AeeD$ (e means the area is empty). But we cannot destroy the monster AB or CD , because the remaining two sequences must be non-empty (in fact, if we do this, only one continuous sequence remains). Similarly, we can't destroy monsters AC or BD because monsters A and C are not continuous.

When a player cannot operate, he loses. Now, Alice will play the game first. She wants to know, can she win at this game?

1.2 输入格式

An integer T indicates that there are T groups of data.

Next T rows. Enter two integers K and n on each line.

Guarantee $1 \leq T \leq 10000, 2 \leq K \leq 10^7, 0 \leq n \leq 10^9$.

1.3 输出格式

Output total T lines.

If Alice can win, output "Alice", otherwise output "Bob".

1.4 输入输出样例

输入样例:

2

2 2

2 3

输出样例:

Alice

Bob