

Stones

Input file: *standard input*
Output file: *standard output*
Time limit: 1 second
Memory limit: 256 MB

Anna and Bob play a game with two piles of stones. Initially, the piles contain a and b stones, respectively. At any moment, one of the players is the *active player*. A turn is played as follows:

1. The active player chooses a positive integer k and tells it to the other player.
2. The other player chooses one of the non-empty piles. If that pile contains x stones, they remove $\min(k, x)$ stones from it.
3. The other player becomes the active player for the next turn.

Anna is the active player on the first turn. A player who becomes active when both piles are empty loses the game.

Both players play optimally. Determine the winner of each independent game.

Input

The first line contains an integer T , the number of games.

Each of the next T lines contains two integers a and b , the initial pile sizes.

Constraints

- $1 \leq T \leq 200\,000$
- $1 \leq a, b \leq 10^9$
- k may be any positive integer.

Output

For each game, print **Anna** if Anna wins, or **Bob** if Bob wins.

Example

standard input	standard output
2	Bob
5 9	Anna
6 7	