

Problem K. Kvass

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

Alice and Bob play the game “Break the chocolate”.

Initially, they have n rectangular pieces of chocolate. The i -th piece has size $w_i \times h_i$ and is divided into 1×1 squares by horizontal and vertical lines.

At her move, Alice may break some piece along some horizontal dividing line, creating two new pieces.

At his move, Bob may break some piece along some vertical dividing line, creating two new pieces.

The obtained pieces can not be rotated.

The player who can't make a move loses the game.

Who will win if Alice is the first player, they must alternate their moves and both are playing optimally?

Input

The first line contains the number of test cases T ($1 \leq T \leq 1000$). After that, T testcases follow.

The first line of each test case contains an integer n ($1 \leq n \leq 10^3$).

The next n lines contain the description of pieces (one per each line): integers w_i and h_i ($1 \leq w_i, h_i \leq 10^9$).

The sum of n over all test cases does not exceed 1000.

Output

Print the name of the winner for each test case on a separate lines: “Alice” or “Bob” (without quotes).

Example

standard input	standard output
1	Bob
1	
2 2	