BUBT INTRA-UNIVERSITY PROGRAMMING CONTEST SPRING 2017(DIVISION 2)

Finished

THE CONTEST HAS ENDED.

H. Flipping Card

Score: 2

CPU: 2s
Memory: 512MB

John is very fond of playing card. He has one packet of cards with N piece. Each card has two sides. One side is black and another side is white.

Now he has put all the cards in a row on the floor. Initially upper side of all the cards is white. He also performs some query. In each query (Li, Ri) he just flip the card in range Li and Ri inclusive.

As a Programmer your task is to determine the final view of the row of cards.

INPUT

First line contain number of test case T ($0<=T<=30$). For following T test case first line contain number of cards N and number of query Q. Following Q lines contain two integers Li and Ri.

OUTPUT

For each case print N characters W or B. W means white and B means Blue.

Sample

Input	Output
1 8 4 2 4 2 3 5 7 1 7	B B B W W W W

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