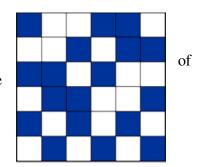
Siena College's 32nd Annual High School Programming Contest Sponsored by Transfinder

March 29, 2019

Gold Problem #7: Three in a Row

<u>Background Information:</u> A Three in a Row puzzle is a type of logic puzzle where you have to color a squares of an n x n board either White or Black,. The restrictions are that each row and column must have the same number Blue and White squares, and that neither a row nor a column may have three consecutive squares of the same color.



Your program with be given a positive even integer N, followed by N
Strings of {B, W, O} characters. Your program must replace each O with
either a B or W, so that the conditions listed above are met. Each puzzle has a unique solution.

Programming Problem:

Input: A positive even integer $N \le 18$, followed by N strings of $\{B, W, O\}$ characters,

each string on its own line.

Output: N strings of {B, W} characters that is a correct solution to the puzzle.

Example 1:	Input:	Example 2:
_	6	8
	000000	00000BB0
	WOWOWO	0000W000
	W00000	B0B00000
	OWOOWW	WOOOWO
	WOBOBO	W0000B00
	00000B	0000W000
		WOWOOBOO
		OWOBOOOW
	Output:	
	BWBWBW	WBBWWBBW
	WBWBWB	WBWBWBWB
	WBWWBB	BWBWBWWB
	BWBBWW	BWBWBWBW
	WBBWBW	WBWBWBWB
	BWWBWB	BWBBWWBW
		WBWWBBWB
		BWWBBWBW