3239. Minimum Number of Flips to Make Binary Grid Palindromic I

Solved •

Medium **\rightarrow** Topics **\rightarrow** Hint

You are given an $m \times n$ binary matrix grid.

A row or column is considered **palindromic** if its values read the same forward and backward.

You can **flip** any number of cells in grid from 0 to 1, or from 1 to 0.

Return the minimum number of cells that need to be flipped to make either all rows palindromic or all columns palindromic.

0

0

0

1

0

1

Example 1:

Input: grid = [[1,0,0],[0,0,0],[0,0,1]]

Output: 2

Explanation:

1	0	0	\rightarrow	1
0	0	0		0
0	0	1	1	1

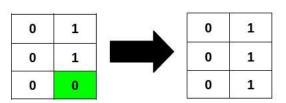
Flipping the highlighted cells makes all the rows palindromic.

Example 2:

Input: grid = [[0,1],[0,1],[0,0]]

Output: 1

Explanation:



Flipping the highlighted cell makes all the columns palindromic.

Example 3:

Input: grid = [[1],[0]]

Output: 0

Explanation:

All rows are already palindromic.

Constraints:

- m == grid.length
- n == grid[i].length

- 1 <= m * n <= 2 * 10⁵
- 0 <= grid[i][j] <= 1

Seen this question in a real interview before? 1/5

Yes No

Hint 1

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