

## 5477. Minimum Swaps to Arrange a Binary Grid

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Given an  $n \times n$  binary grid, in one step you can choose two **adjacent rows** of the grid and swap them.

A grid is said to be **valid** if all the cells above the main diagonal are **zeros**.

Return *the minimum number of steps* needed to make the grid valid, or **-1** if the grid cannot be valid.

The main diagonal of a grid is the diagonal that starts at cell  $(1, 1)$  and ends at cell  $(n, n)$ .

User Accepted: 0

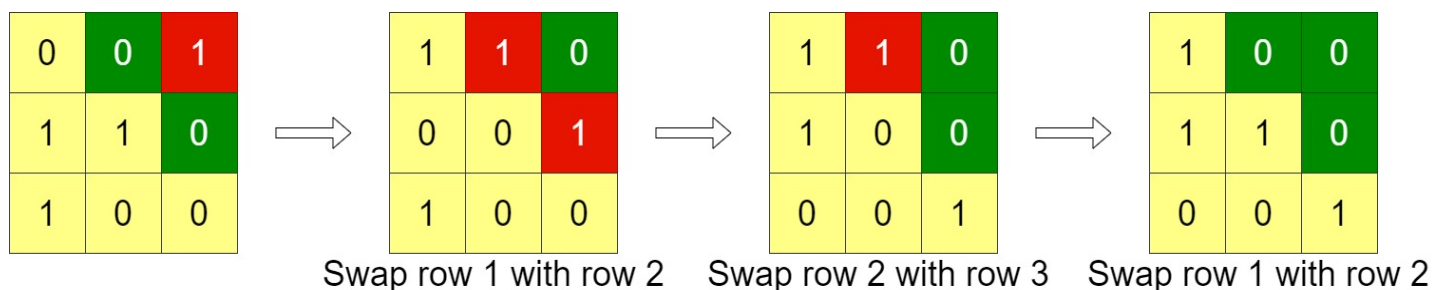
User Tried: 0

Total Accepted: 0

Total Submissions: 0

Difficulty: Medium

### Example 1:



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

**Output:** 3

### Example 2:

0	1	1	0
0	1	1	0
0	1	1	0
0	1	1	0

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

**Output:** -1

**Explanation:** All rows are similar, swaps have no effect on the grid.

### Example 3:

1	0	0
1	1	0
1	1	1

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

**Output:** 0

### Constraints:

- `n == grid.length`
- `n == grid[i].length`
- `1 <= n <= 200`
- `grid[i][j]` is 0 or 1

JavaScript



```
1 ▾ /**
2   * @param {number[][]} grid
3   * @return {number}
4   */
5 ▾ var minSwaps = function(grid) {
6
7   };
```