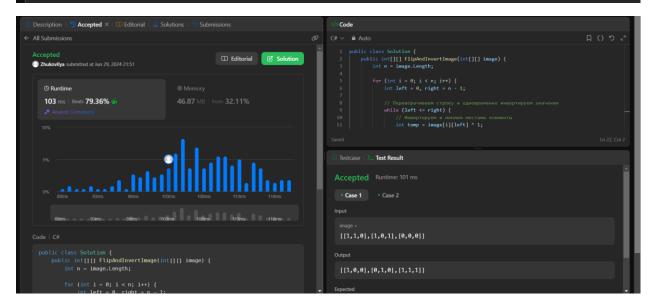
```
■ Description | □ Editorial | △ Solutions | ⑤ Submissions
832. Flipping an Image
                                                                                    Solved ⊘
Given an n \times n binary matrix image, flip the image horizontally, then invert it, and return the resulting image.
To flip an image horizontally means that each row of the image is reversed.
• For example, flipping [1,1,0] horizontally results in [0,1,1].
To invert an image means that each 0 is replaced by 1, and each 1 is replaced by 0.
• For example, inverting [0,1,1] results in [1,0,0].
Example 1:
  Input: image = [[1,1,0],[1,0,1],[0,0,0]]
  Output: [[1,0,0],[0,1,0],[1,1,1]]
  Explanation: First reverse each row: [[0,1,1],[1,0,1],[0,0,0]].
  Then, invert the image: [[1,0,0],[0,1,0],[1,1,1]]
Example 2:
  Input: image = [[1,1,0,0],[1,0,0,1],[0,1,1,1],[1,0,1,0]]
  Output: [[1,1,0,0],[0,1,1,0],[0,0,0,1],[1,0,1,0]]
  Explanation: First reverse each row: [[0,0,1,1],[1,0,0,1],[1,1,1,0],[0,1,0,1]].
  Then invert the image: [[1,1,0,0],[0,1,1,0],[0,0,0,1],[1,0,1,0]]
```



Код:

```
public class Solution
{
    public int[][] FlipAndInvertImage(int[][] image)
    {
        int n = image.Length;
}
```

```
for (int i = 0; i < n; i++)
{
    int left = 0, right = n - 1;

    // Переворачиваем строку и одновременно инвертируем значения while (left <= right)
    {
        // Инвертируем и меняем местами элементы int temp = image[i][left] ^ 1; image[i][left] = image[i][right] ^ 1; image[i][right] = temp;
        left++; right--;
     }
}
return image;
}</pre>
```