832. Flipping an Image

Solved ●

Easy Topics Companies

Given an `n x 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]]

Constraints:

- `n == image.length`
- `n == image[i].length`
- `1 <= n <= 20`
- `images[i][j]` is either `0` or `1`.

Seen this question in a real interview before? 1/4

Yes No

Accepted **420.2K** Submissions **513.9K** Acceptance Rate **81.8%**

Topics

Companies

Discussion (23)