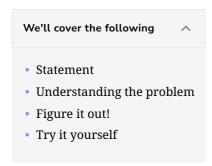
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Flipping an Image

Try to solve the Flipping an Image problem.



Statement

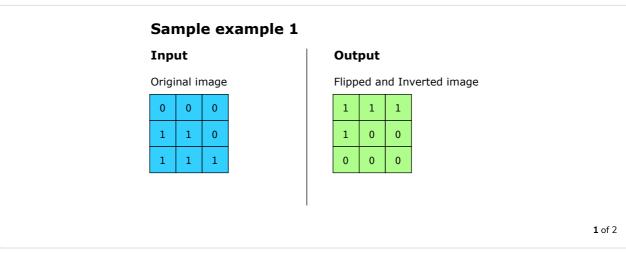
Given that an image is represented by an $(n \times n)$ matrix containing 0s and 1s, flip and invert the image, and return the resultant image.

Horizontally flipping an image means that the mirror image of the matrix should be returned. Flipping [1,0,0] horizontally results in [0,0,1].

Inverting an image means that every 0 is replaced by 1, and every 1 is replaced by 0. Inverting [0, 1, 1] results in [1, 0, 0].

Constraints:

- Image should be a square matrix.
- $1 \le n \le 20$
- images[i][j] is either 0 or 1.



Saı	mpl	e e	xan	iple 2							
Inp	Input					Output					
Origi	Original image					Flipped and Inverted image					
0	1	1	1			0	0	0	1		
0	0	1	0			1	0	1	1		
0	1	1	0			1	0	0	1		



Understanding the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

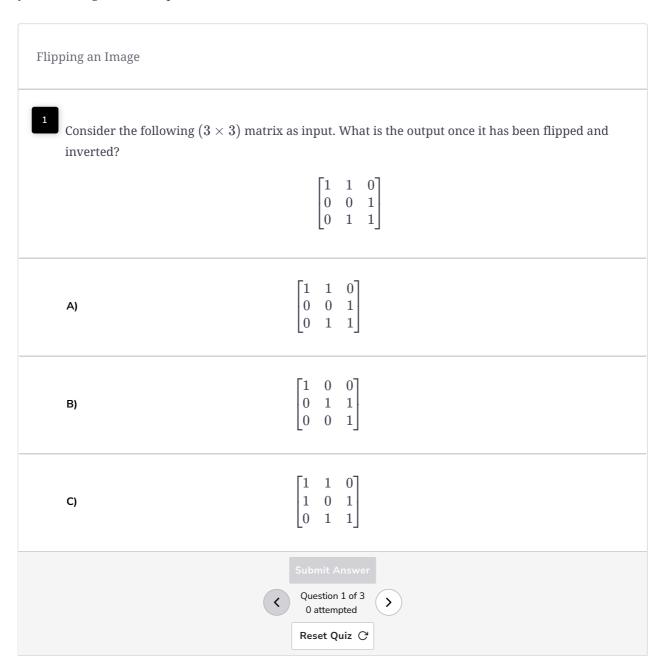


Figure it out!

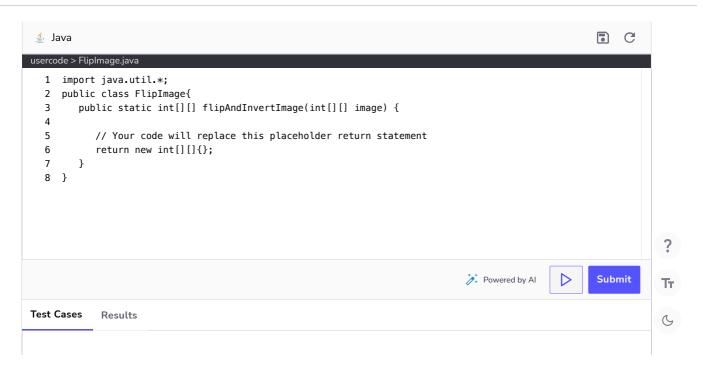
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



After iterating over all the rows, return the resultant image. Swap the current element with the corresponding element in the second half of the row, i.e., the element at the same distance from the end of the row as the current element is from the beginning of the row, after performing the same XOR operation on the second element as well. Iterate over the first half of the each row. Compute the bitwise XOR of the current element with 1, which will invert the element's value. Compute the index of the middle element in each row. **Show Solution** Submit Reset

Try it vourself









Solution: Complement...



Solution: Flipping an I...



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