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CS 146

Flood fill
Approach:
1. Depth First Search
2. The 4 directions that can be traversed are up, down, right, and left in increments of 1
3. For each pixel that is 4 directionally connected to the starting pixel, check if it is in the boundary of the image and change it to the desired if it is not the desired color
4. Recursively repeat step 3 for every pixel that is 4 directionally connected to the starting pixel

Test Case 1: Announced test case: image =

[[1,1,1],
[1,1,0],
[1,0,1]], sr = 1, sc = 1, color = 2

Test Case 2: Announced test case: image =

[[0,0,0],
[0,0,0]], sr = 0, sc = 0, color = 0