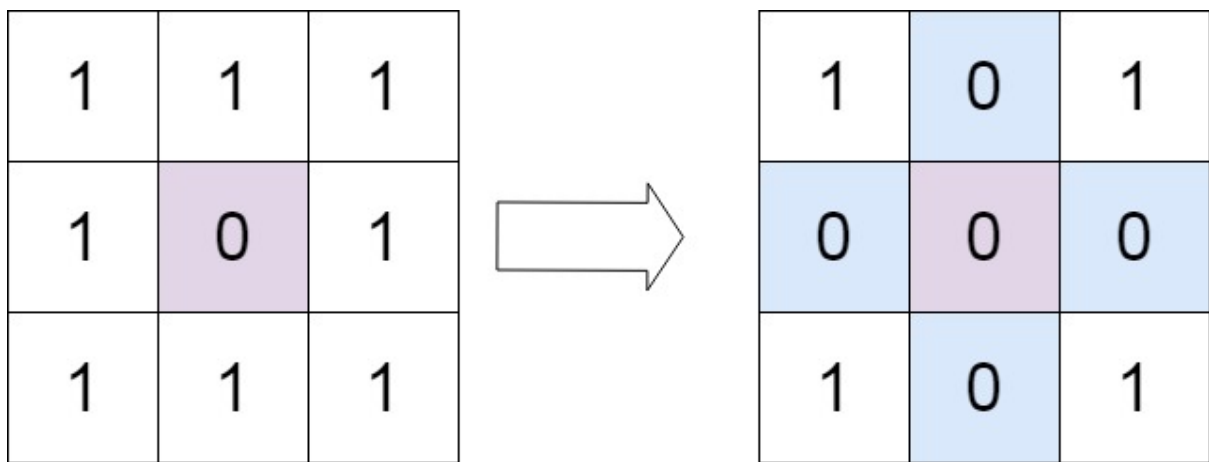


Set Matrix Zeroes

Given an $m \times n$ integer matrix `matrix`, if an element is 0, set its entire row and column to 0's.

You must do it [in place](#).

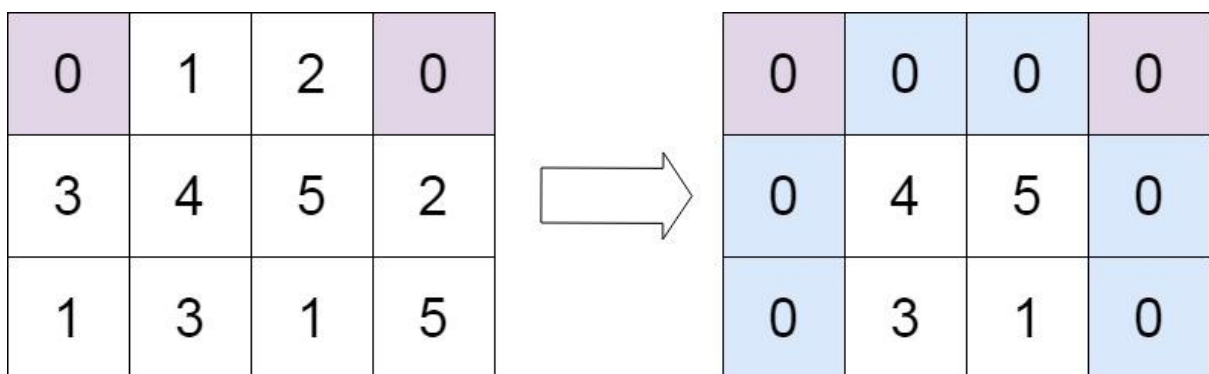
Example 1:



Input: `matrix = [[1,1,1],[1,0,1],[1,1,1]]`

Output: `[[1,0,1],[0,0,0],[1,0,1]]`

Example 2:



Input: `matrix = [[0,1,2,0],[3,4,5,2],[1,3,1,5]]`

Output: `[[0,0,0,0],[0,4,5,0],[0,3,1,0]]`