# 73. Set Matrix Zeroes

## SOLUTION IN PYTHON3

class Solution:

def setZeroes(self, matrix: List[List[int]]) -> None:

m = len(matrix)

n = len(matrix[0])

shouldFillFirstRow = 0 in matrix[0]

shouldFillFirstCol = 0 in list(zip(\*matrix))[0]

for i in range(1, m):

for j in range(1, n):

if matrix[i][j] == 0:

matrix[i][0] = 0

matrix[0][j] = 0

for i in range(1, m):

for j in range(1, n):

if matrix[i][0] == 0 or matrix[0][j] == 0:

matrix[i][j] = 0

if shouldFillFirstRow:

matrix[0] = [0] \* n

if shouldFillFirstCol:

for row in matrix:

row[0] = 0