01 Matrix

Given an m x n binary matrix mat, return the distance of the nearest 0 for each cell.

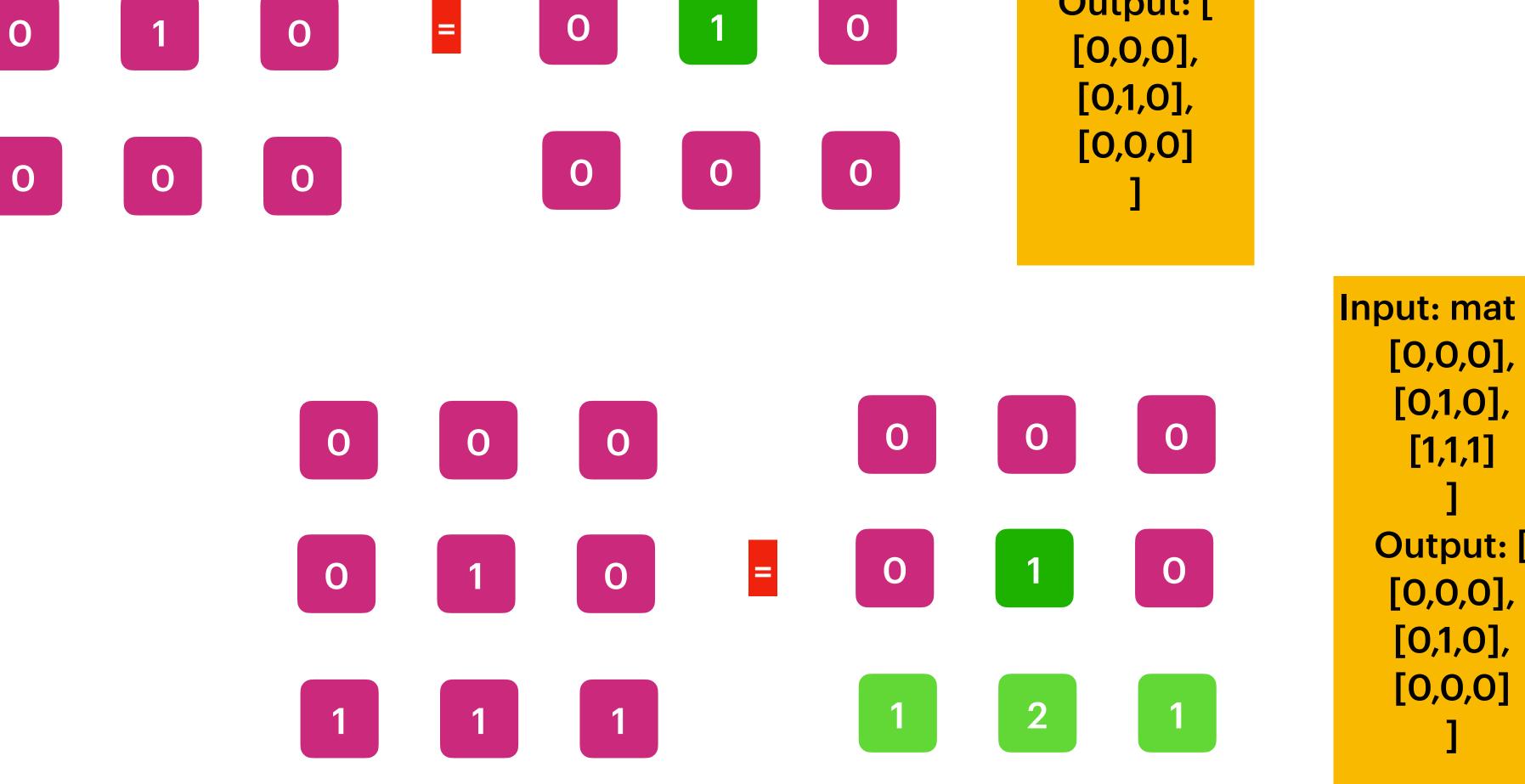
The distance between two adjacent cells is 1.

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

```
Input: mat = [
        [0,0,0],
        [0,1,0],
        [1,1,1]
        ]
      Output: [
        [0,0,0],
        [0,1,0],
        [1,2,1]
      ]
```

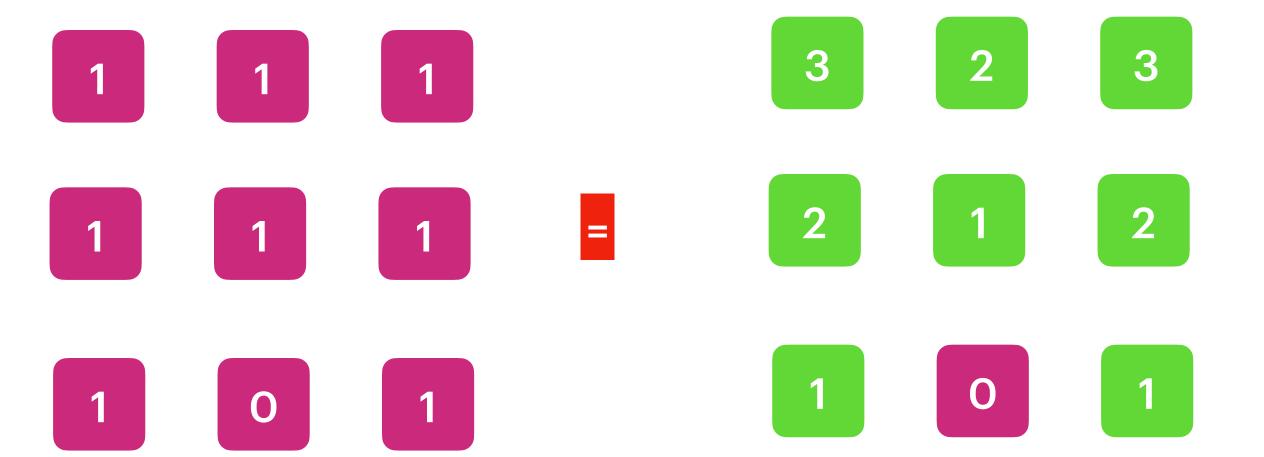
Constraints:

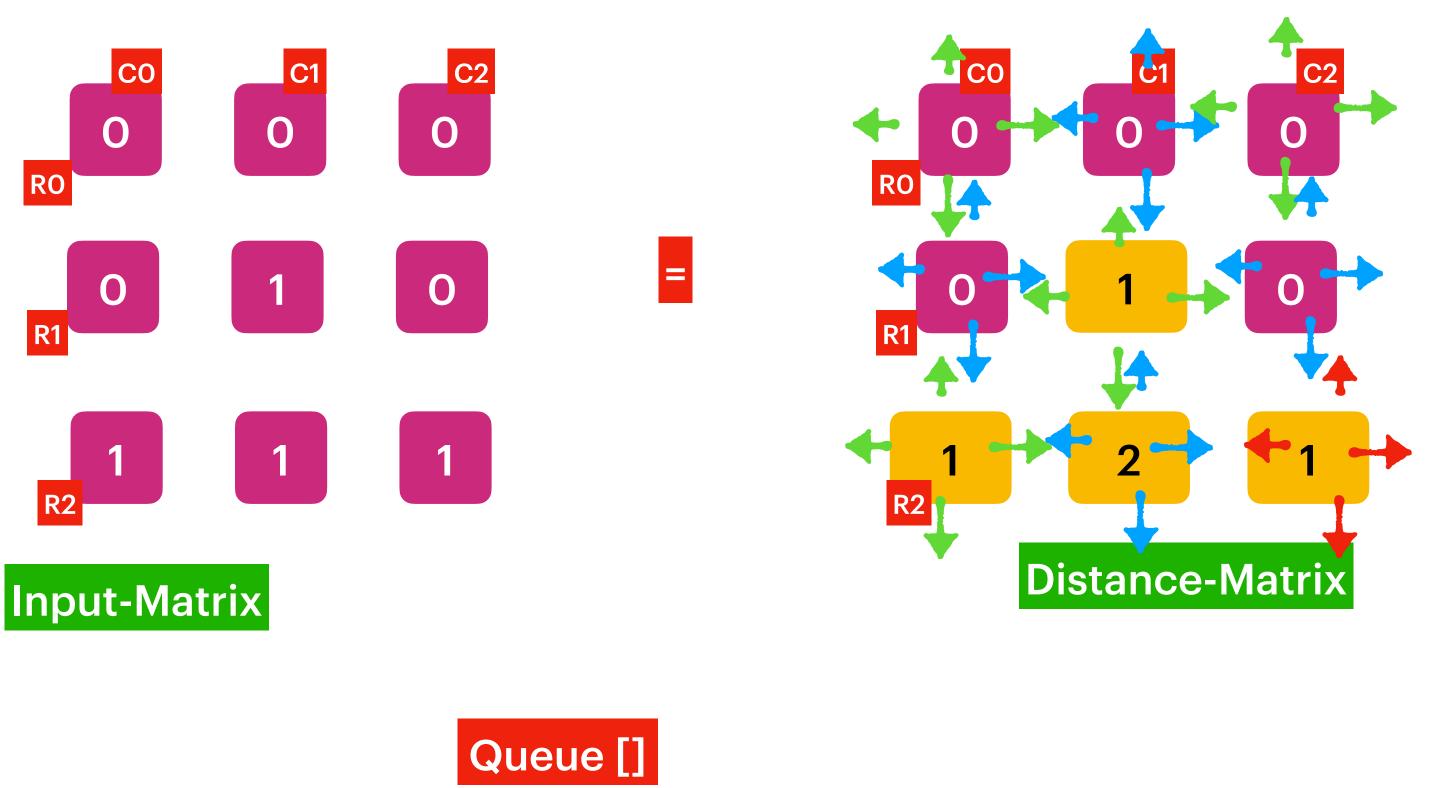
```
m == mat.length
n == mat[i].length
1 <= m, n <= 104
1 <= m * n <= 104
mat[i][j] is either 0 or 1.
There is at least one 0 in mat.</pre>
```



```
Input: mat = [
   [0,0,0],
   [0,1,0],
   [0,0,0]
  Output: [
```

```
Input: mat = [
   [0,0,0],
   [0,1,0],
    [1,1,1]
  Output: [
   [0,0,0],
   [0,1,0],
```





dir_Cell > currentCell_Value + 1

Time Complexity: O(M*N)
Space Complexity: O(M*N)

