☰ Problem	📋 Submissions	💬 Editorials

Lachezar

```java
1  import java.util.*;
2
3  class Solution {
4      public int solve(int[][] matrix)
5
6      }
7  }
```

Largest Island After Land Cell Addition

< >

Hard   ✅   👍   ★   ↗   🚩

You are given a two-dimensional list of integers `matrix` containing `1`s and `0`s where a `1` represents land and `0` represents water. An island is a group of `1`s that are neighboring whose perimeter is surrounded by water.

Return the size of the largest island given that we can change at most one water cell to land cell.

Constraints

- `n, m ≤ 250` where `n` and `m` are the number of rows and columns in `matrix`

Example 1 ⊘

Input

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

Output

```
7
```

Explanation

We can turn any one of the water cells to land to connect the two islands.

Solved	Attempted	Rate
88	104	84.62%

Hint #1	+

Hint #2	+

Edited by **themast3r**