

```
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          /** DFS Iterative **/
50 ₹
51 ▼
          private void dfs(char[][] grid, int i, int j, int rows, int cols) {
               Stack<Integer> neighbours = new Stack<>();
neighbours.push(i * cols + j);
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               while(!neighbours.isEmpty()) {
54 ₹
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                    int id = neighbours.pop();
                    int row = id / cols;
int col = id % cols;
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                     // add valid neighbour to stack if not visited
                    if(row - 1 >= 0 && grid[row-1][col] == '1') {
    neighbours.push((row-1) * cols + col);
    grid[row-1][col] = '0';
61 ▼
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65 ₹
                    if(row + 1 < rows && grid[row+1][col] == '1') {
                         neighbours.push((row+1) * cols + col);
grid[row+1][col] = '0';
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69 ₹
                    if(col - 1 >= 0 && grid[row][col-1] == '1') {
                         neighbours.push((row) * cols + col-1);
grid[row][col-1] = '0';
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                    if(col + 1 < cols && grid[row][col+1] == '1') {
73 ▼
                         neighbours.push((row) * cols + col+1);
grid[row][col+1] = '0';
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                    }
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               }
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          }
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    }
80
```

☐ Custom Testcase (Contribute ●)

Run Code

