

1. Flood Fill : How many grid cell can be filled with flooded water
BFS or DFS any traversal will work. Result will be total visited node's summation.

2. Flood Fill in Code : Implementation

From CSES.fi : [Counting Rooms](#)

3. Graph Coloring : Color the nodes using one of two colors. No 2 adjacent node can have the same color.

It creates a **Bipartite Graph**. So graph coloring will possible if each side of the bipartite graph adjacent nodes aren't connected to each other.

BFS or DFS any traversal will work.

4. Graph Coloring in Code : Implementation

From Cses.fi : [Building Teams](#)