**CONNECTED CELLS IN A GRID**

This Node.js program solves the problem of finding the largest connected region of 1s in a 2D binary matrix. A region is defined as a group of horizontally, vertically, or diagonally adjacent 1s.

The core logic is implemented in the connectedCell function. It iterates through every cell in the matrix. When it encounters a 1, it performs a **Depth-First Search (DFS)** to explore all connected 1s in all eight possible directions. During the DFS, visited cells are marked as 0 to avoid counting them multiple times. The DFS returns the size of the current connected region, and the program updates maxRegion whenever a larger region is found.

Finally, the program outputs the size of the largest region. By using DFS, the solution efficiently explores each region without revisiting cells, ensuring a time complexity proportional to the total number of cells in the matrix. This makes it effective even for large grids.