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IBM18CS074

ADS - Lab3.

int count no of islands()
Number of islands = 0.
{
for. (0 to column - max)

    for (0 to row-max)
    {
        if (matrix [i][j] == 1)
        {
          if (adjacent is same ()?)
          { do union ().
          }
          else.
          {
            no. of islands ++;
          }

bool adjacent is same (int n, int m)
if (matrix [m-1][m] == 1 or
      matrix [m-1][m-1] == 1 or
      matrix [n-1][m+1] == 1 or
      matrix [n][m-1] == 1 or
      matrix [n][m+1] == 1 or
      matrix [m+1][m] == 1 or
      matrix [n+1][m-1] == 1 or
      matrix [m+1][n+1] == 1)
        return true;
else
        return false;