Count Islands (int a[R][C])

    d = Disjoint set (n x m);

    for i = 0 to i = R
    for j = 0 to j = C
      if (a[i][j] == 1)
    {
      if (a[i+1][j] == 1)

    d. union (i, j, i,j+1).
    if (a[i+1][j+1] == 1)
      d union[i,j, i+1, j+1]

    Similarly   8   possible   neighbours

    }

  count = 0, c[R*C] = {0}
    for   i = 0 to R
    for   j = 0 to c

      if (a[i][j] == 1)
        x = d. find (i, j)
        if (c[x] == 0)
          count ++
          c[x]++
        else c[x]++

  return count.