Count Islands (int a [R][c]):

d = Disjoint Set (n * m):

for rei= 0 to i= R

for j=0 to j=C

; f (a[i][i] == 1) {

(a[i+][]==1)

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

d. union (i,i, i+1, i+1)

Similarly 8 possibble neighbour

count = 0. C[R*C] = {0}

for i=0 to R

for j=0 to C

if(a[i][i]==1)

x=d.find(i))

; + (c[x]==0)

count ++ C[x]++

els claj++

return count

Nith