Disjoint set implementation of boolean 20 mothing

Static int count Island (int a[][])

int n = a. length;

Lab-3

int m= a[a]. length;

Disjoint UnionSet dus = new Disjoint Unionsets (nxm)

for (int i=0; j<n; j++){

forlint K=0; K cm; K++)}

(0 == [X][DD] +i

continue;

if (i+1 < n & a (i+1)(K) == 2)

dus. union (i+(m) +K, (i+1) + (m) + K);

14 (J-1 DEO XQ a (J-1) [K] == 1

duc. conion (1 x (m) + K, (i-1) x(m) + K);

14 [K+1 CM && a [i] [K+1] ==1

dus union (ix(m) + x, ()) x (m) + x+1);

if(K-1 >=0 && a[i][K-1] ==1)

dus . conion (i * (m) + K, (i) * (m) + x-1);

if (i+1 < n & & K+1<m el a(i+1)[K+1] ==1)

dus union (1 * (m) + K, (i+1) * (m) + K + I)

setuen number Of Ishnds

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