K. ARUN TEJA 18M18CSD41 5-A

for gin and [o]:

for lack element in 20 materix: 2) il ali7[j]== 0

continue

else

check all the neighbours when a[i)[i] == 1 (F neighbours of aliter) == 1 then vision (neighbour, index)

int frequency [] = new int [nom] // n = columns of 2D array 3.)

for (ht j=0; j<n; j+r) 4)

for (ink \$=0; K<n; k++)

(a [] [k] = = ()

int x = Unionfind function (j' m+k);

(c [x] = =0)

count ++

ctal++;

else C[x]++

5) noturn count;

=> mion function (int a, int b) ?

int arep = find (a);

int brep = find (b);

if (arep == brep)

return;

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parent [arep] < namk [brep]

else if (rank [brep] < namk [arep])

parent [brep] = arep;

else

parent [brep] = arep;

rank [barrep] = namk [arep] + 1;

=) find (Int a) function:

if (parent [a] != a)

return find (parent [a]);

return find (parent [a]);
```