Pseudo Code -

East count = 0

[n] [n] sa thi

for (i=o; i<n; i++)

£ 1

Checking all

adjagent

neighbours of

a beder.

for(j=0;j(n;j++)

if (or[i] [j] ==1)

Eq.

if(j+1<n ++ ar[i][j+1]==1)

union (i+(n)+j g (i)+(n)+(j+1))

if (j-1)=0 & a artil [j-1]==1)

Union (i*(n)+j,(i)*(n)+(j-1))

(1== [j] [ji] sa as [i+i] [j]

urion (i kn +j, (i+1)*n+j)

- il [i-1 66 + ar [i-1] [j]==1)

eman(1 xn+j, (i-1) xn+j)

if (i+1< n &+j+1 < n &+ ar[i+1][j+1]==1)

union (i+n+j), (i+1)+n+(j+1)

if (i-1)-1 & e f +1 < n & e & ex[i-1] [j+1] == 1)

union (i+n+j, (i-1) + n+j+1))

Scanned with CamScanner

(1==[-1][+i]so sa 1-(+i) di · union (i+ n+b, (i-1) + n+(j-1)) (1==[-j][+i] so - - (1-j or n>1+i) di union (i+n+b, (i+1) +n+ + (j-1)) int freq. [] = new int [n xn]; freg. - it stores freq. of each set for(i=0; i(n; i++) for (j=0; j<n, j++) {
- of (ar[i][j]==1) Connected Earnecter

(if (frag [r] = 0) bertien to find atitude

(frag [r] = 0) coent + +;
frag [r]++;

else frag Ce Itt; 2 (1