```
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1BM18CS 046
Number of Islands => Disjoint Sets
Algo.
 i) Start
2) int neult=0
 3) travesse through matrix
                          ) if ass[i][j]=1
                                      =) check its neighbors
=) if neighbors =1, take union of it
                                         and its neighbour
 4) Create whay to store frequency of sets
5) Travesse matrix again, if ancil[j] => find its set
6) It its frequency is 0 soult +=)
   Junction: Pseudo Code
       int count Island (vector < int vector < int >> a)
                int n=size (a)
                 int m = size (a[0])
                 dis =) disjointunionset (n * m)
```

for j in $(0 \rightarrow n)$:

Jor€kin (0→m):

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Disjoint Union Sets:

vector <int > rank, parent
int n;

Disjoint Union Sets (intn)

Stand. resize (n);

pasent . resize (n);

this is n = n;

ioha (hegin (pasent), end (pasent, 0);

if (paration);

return x;

return x;