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→ Finding the number of islands :

To solve problem we can use the disjoint set data structure.

* First, we will initialize the count as 0
* Then, traverse each index of the 2D array.
* If the value at an index is 1, we will check all of its neighbours. & If a neighbour is also equal to 1, we will take the union of the index & its neighbour.
* Now create an array of the size ROW X COLUMN to store the frequencies of all sets.
* Now, we will traverse the matrix again
* If the value at an index is 1, will find its sets.
* If the frequency of that set in the array is 0, increment the count by 1.