

03

WK 49 - 338-028

DECEMBER 2016

SATURDAY

3rd prgm

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IBMIACS401

Finding no of islands

To solve problem we can use disjoint Set DS

- First we will initialize the count as 0
- Then traverse each index of 2D array
 - if the value at an index is 1, we will ~~take~~ 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 \times col to store the frequency of all sets

04

WK 49 - 339-027

SUNDAY

Now, we will traverse the matrix again

- if the value at an index is 1, we will find its set
- if the frequency of that set in the array is 0, increment the count by 1