Submissions

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Doubt Support

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Row with max 1s 🔲

Medium Accuracy: 42.51% Submissions: 88757 Points: 4

Editorial

Given a boolean 2D array of n x m dimensions where each row is sorted. Find the 0-based index of the first row that has the maximum number of **1's**.

Example 1:

Problem

Example 2:

```
Input:
N = 2, M = 2
Arr[][] = {{0, 0}, {1, 1}}
Output: 1
Explanation: Row 1 contains 2 1's (0-based indexing).
```

Your Task:

You don't need to read input or print anything. Your task is to complete the function **rowWithMax1s()** which takes the array of booleans **arr[][], n** and **m** as input parameters and returns the 0-based index of the first row that has the most number of 1s. If no such row exists, return -1.

Expected Time Complexity: O(N+M) **Expected Auxiliary Space:** O(1)
Output Window

Constraints:

Problem Solved Successfully



Test Cases Passed: Total Points Scored: View Bookmarked Problems (https://practice.geeksforgeeks.org/explore/?

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0.2/1.74

Your Accuracy:
25%

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4iscussions (593 Threads) ☑



```
int rowWithMax1s(vector<vector<int>>> A, int
int row = -1, j = m;
for (int i = 0; i < n && j; i++)
while (j && A[i][j - 1]) { row = i;
return row;
}

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loganishanthcs19 1 day ago
PYTHON SOLUTION
class Solution:
def rowWithMax1s(self,arr, n, m):
large=0
```

```
C++ (g++ 5.4)
                 Test against custom input
15
                    iii) if(we find zero)
16
                            then store the column number and that row number
                    iv) Traverse to next row in same column(straight direction)
17
18
                        if(arr[row][column] == 0) continue;
19
20
21
                            go to step (ii)
22
23
                    vi) Go to step (v)
24
            */
25
            int ansColumn = m;
            int ansRow = 0;
26
27
            for(int row = 0; row < n; row++){
                while(ansColumn >= 1 and arr[row][ansColumn - 1] == 1){
28
29
                    ansColumn--;
30
                    ansRow = row;
31
                }
32
33
            if(ansColumn == m)
34
                return -1;
35
            return ansRow;
36
37
38
```