InfyTQ SET 001

Solved Challenges **2/5**

Back To Challenges List

Maximum Count - 1s

ID:9395 **Solved By 185 Users**

An array of **N** elements is passed as input to the program. The elements values are either **0** or **1**. Exactly one operation can be performed on any one of the subarray so as to invert all the bits (changing 0 to 1 and 1 to 0) in the selected subarray. The minimum size of the subarray to be selected is 1 and the maximum size is N. The program must print the maximum number of 1s that you can get by doing the operation described above.

Boundary Condition(s):
1 <= N <= 100

Input Format:
The first line contains N.
The second line contains N integers separated by a space..

Output Format:
The first line contains the maximum count of 1s.

Example Input/Output 1:
Input:
6
1 0 0 1 0 1

Output:
5

Explanation:
When we invert the sub-array from index 1 to 2 (that is second and third elements) we get **1 1 1 1 0 1**. Here we get the maximum count of 1s which is 5.

Example Input/Output 2:
Input:
9
1 0 0 1 0 0 1 1 1

Output:
8

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

Reset

```
1  N = int(input().strip())
2  arr = list(map(int,input().strip().split()))
3
4
5  maxi=-1
6  for index in range(N):
7      for grps in range(index+1,N+1):
8          temp = arr[index:grps]
9          if((temp.count(0) - temp.count(1)) > maxi):
10             maxi = (temp.count(0) - temp.count(1))
11
12 print(arr.count(1)+maxi)
```

Code did not pass the execution

2 Private (Hidden) Test Cases Failed.

13 Passed 2 Failed

MEM: 0.09765625 MB **CPU: 0.01**

Save Run

Run with a custom test case (Input/Output)