STUDENT REPORT

DETAILS

Name

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Roll Number

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EXPERIMENT

Title

KADANE'S ALGORITHM

Description

Given an array **Arr[]** of **N** integers. Find the contiguous sub-array(containing at least one number) which has the maximum sum and return its sum.

Input:

N = 5

Arr[] = {1,2,3,-2,5}

Output:

9

Source Code:

```
x=int(input())
li=list(map(int,input().split()))
c_max=0
for k in li:
    c_max+=k
for i in range(1,len(li)-1):
    while i!=0:
        for j in range(0,len(li)-1):
            if li[j]>c_max:
                c_max=li[j]
            elif i+j<len(li)and(li[i+j]+li[j]>c_max and i!=j):
                c_max=li[i+j]+li[j]
        i-=1
print(c_max)
```

RESULT

2 / 2 Test Cases Passed | 100

VIVA RESPONSES

Q)

Q)

Q)

Q)

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