

Max Subarray 2

Problem

Submissions

Leaderboard

Discussions

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

5
-1 2 3 -2 1

$n = 5$

-1 | 2 | 3 | -2 | 1

max

```
if (sum > ans)
{
    ans = sum;
}
```

```
if (sum > 0)
{
    ans = sum;
}
```

int ans = -∞

if (sum == 0)

Sample Output 0

5

-1 = -1
-1 2 = 1
-1 2 3 = 4
-1 2 3 -2 = 2
-1 2 3 -2 1 = 3

2 = 2
2 3 = 5
2 3 -2 = 3
2 3 -2 1 = 4

3 = 3
3 -2 = 1
3 -2 1 = 2

-2 = -2
-2 1 = -1
1 = 1