
Finding maximum subarray

Given an array `arr[]` of size `N`. The task is to find the sum of the contiguous subarray within a `arr[]` with the largest sum.

Kadane's Algorithm:

Initialize:

`max_so_far = INT_MIN`

`max_ending_here = 0`

Loop for each element of the array

(a) `max_ending_here = max_ending_here + a[i]`

(b) if(`max_so_far < max_ending_here`)

`max_so_far = max_ending_here`

(c) if(`max_ending_here < 0`)

`max_ending_here = 0`

return `max_so_far`