

Maximum Subarray Sum in a given Range

Given an array of n numbers, the task is to answer the following queries:

`maximumSubarraySum(start, end)` : Find the maximum subarray sum in the range from array index 'start' to 'end'.

Examples:

Input : `arr[] = {1, 3, -4, 5, -2}`
Query 1: `start = 0, end = 4`
Query 2: `start = 0, end = 2`

Output : 5
 4

Explanation:

For Query 1, `[1, 3, -4, 5]` or `([5])` represent the maximum sum sub arrays with sum = 5.

For Query 2, `[1, 3]` represents the maximum sum subarray in the query range with sum = 4