

Practice

















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MaximumSumIndexK





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Problem

Submissions

Leaderboard

Discussions

Given an array A of N integers and an integer k, find a contiguous subarray which has maximum sum and which includes the element A[k]. Implement a linear time algorithm for the problem.

Input Format

Constraints

$$1 \le N \le 10^6$$

$$0 \le k \le N-1$$

$$-100 \le A_i \le 100$$

Output Format

Sum of a sub-array of A which contains $A[\,k\,]$ and has largest sum

Sample Input

Sample Output

15

Explanation

The largest sum subarray which also contains -18 is [11,-18,22]. Sum is 15.

Submissions: 61 Max Score: 4 Difficulty: Medium Rate This Challenge:

More

Current Buffer (saved locally, editable) & 🗗 C++ Ö 1 ▼ #include <cmath> #include <cstdio> #include <vector> #include <iostream> #include <algorithm>

```
6
  using namespace std;
 7
 8
 9 ▼ int main() {
10 ▼
      11
      return 0;
   }
12
13
                                                                            Line: 1 Col: 1
                                                                    Run Code
               Test against custom input
                                                                             Submit Code
1 Upload Code as File
```

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