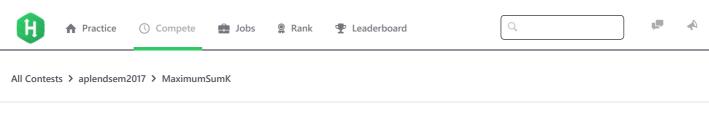
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MaximumSumK





Given an array A with N integers and an integer k, find a contiguous subarray of size k which has maximum sum. Implement a **linear time** algorithm for the problem.

Input Format

Constraints

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

$$1 \le k \le N$$

$$-100 \leq A_i \leq 100$$

Output Format

Sum of a sub-array of size $k\ \mbox{in}\ A\ \mbox{having largest}$ sum

Sample Input

Sample Output

10

Explanation

10 is sum of the largest subarray of size 2 (6+4).

Submissions: 65
Max Score: 4
Difficulty: Medium
Rate This Challenge:
なかなかか

Current Buffer (saved locally, editable) &

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
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```

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