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Home » Compete » Bytecode 2017 » Subarray K-sums Subarray K-sums 🖶 ALL SUBMISSIONS MY SUBMISSIONS SUBMIT Problem code: BYCO17A Tweet Like Share Be the first of your friends to like this. SUCCESSFUL SUBMISSIONS \oplus Problem description. You are given an array A consisting of N integers. We are conducting research on the array and need a script that finds K-sums of different parts of the array. You are given the responsibility of creating this script! Formally, a K-sum for inputs I,r,k is defined as the sum of k largest elements in the subarray A[I,r]. It is guaranteed that k <= r-l+1. Input Input description. First line of input contains \mathbf{N} , the size of array \mathbf{A} , \mathbf{Q} , the number of \mathbf{K} -sum queries to be solved and \mathbf{K} to be used for each query. Second line contains N space-separated integers $\mathbf{A_1}$, $\mathbf{A_2}$,..., $\mathbf{A_N}$ Q lines follow, each containing 2 integers I,r as defined in the problem statement Output Output consists of Q lines, i-th line containing the answer to i-th query Constraints • 1 ≤ N ≤ 50000 • 1 ≤ L ≤ R <= N • $1 \le k \le N$ • 1 ≤ Q ≤ 10000 Example Input: 12345678 48 3 7 16 Output: 26 26 22 Explanation Example case 1. Find ${\bf k}$ largest elements in each interval and find their sum Author: rvns03 Date Added: 19-02-2017 Time Limit: 4 sec Source Limit: 50000 Bytes ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 4.9.2, CPP14, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYPY, PYTH, PYTH 3.4, RUBY, SCALA, SCM chicken, SCM guile, SCM qobi, ST, TCL, TEXT, WSPC Languages: SUBMIT Comments >

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CodeChef - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

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