



02:46:37 HRS MIN SEC

# March Easy '17

LIVE

Mar 01, 2017, 09:30 PM IST - Mar 02, 2017, 12:30 AM IST

INSTRUCTIONS PROBLEMS SUBMISSIONS LEADERBOARD ANALYTICS JUDGE

← Problems / Micro and Array Function

Micro and Array Function

Max. Marks: 100

Micro has made a breakthrough. He made a function which he proudly calls Micro's Array Fucntion. It takes an array of integers A and an integer K as input and optimally finds out the number of unordered pairs  $(i,j), i \neq j$  such that  $|A[i] - A[j]| \geq K$ .

Micro is getting a lot of recognition because of it. His best friend Mike wants to be a part of it, but for that he needs to make some contribution. He thought of extending Micro's Array function. He wants to make a new function g(A,K) that also takes an array of integers A and an integer K as input and optimally calculates  $\sum f(X,K)$  for all subarrays X of A. He need your help in this and help here means do the entire task. He'll give you an integer K and an array A having N integers and you need to compute g(A,K).

## Input:

First line consists of a single integers T denoting the number of test cases. First line of each test case consists of two space separated integer denoting N and K. Second line of each test case consists of a N space separated integers denoting the array A.

## Output:

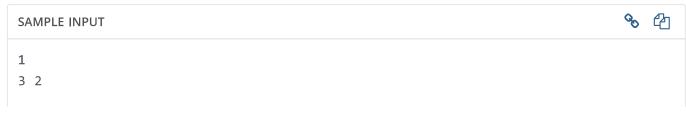
For each test case, print the value of g(A, K) in a new line.

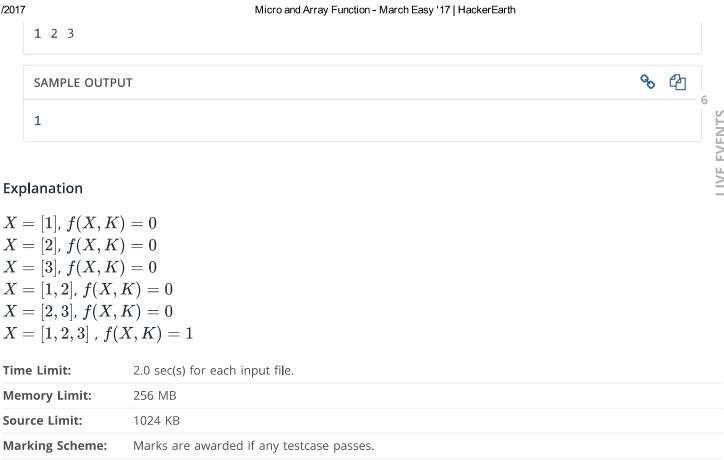
#### **Constraints:**

$$1 \leq T \leq 5$$

$$1 \le N \le 10^5$$

$$1 \le A[i], K \le 10^9$$





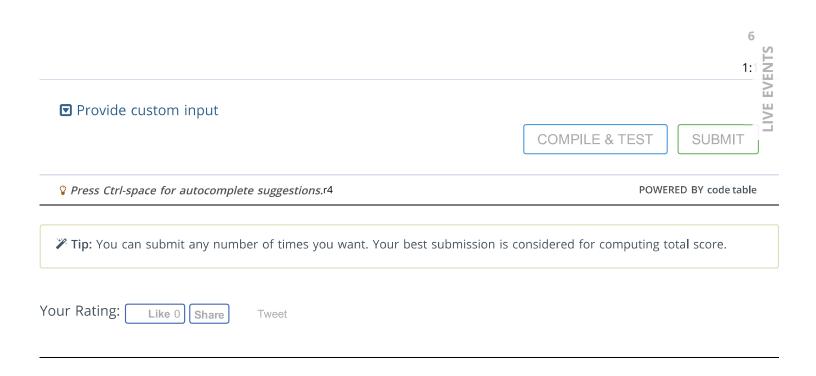
# **CODE EDITOR**

```
Enter your code or Upload your code as file.
                                                                 C (gcc 4.8.2)
                                                         Save
   #include <stdio.h>
1
2
3
   int main()
4
5
        printf("Hello World!\n");
6
        return 0;
7
   }
```

JavaScript(Node.js), Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python

Allowed Languages: C, C++, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino),

3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Visual Basic



ABOUT US	HACKEREARTH	DEVELOPERS
Blog	API	AMA
Engineering Blog	Chrome Extension	Code Monk
Updates & Releases	CodeTable	Judge Environment
Team	Developer Profile	Solution Guide
Careers	Resume	Problem Setter Guide
In the Press	Get Badges	Practice Problems
	Campus Ambassadors	HackerEarth Challenges
	Get Me Hired	College Challenges
	Privacy	College Ranking
	Terms of Service	Organise Hackathon
		Hackathon Handbook
		Competitive Programming
		Open Source

EMPLOYERS REACH US

# Micro and Array Function - March Easy '17 | HackerEarth

Lateral Hiring

Campus Hiring

Hackathons

FAQs

Customers

Ground Floor, Salarpuria Business Center,

4th B Cross Road, 5th A Block,

Koramangala Industrial Layout,

Bangalore, Karnataka 560095, India.

contact@hackerearth.com

f





LIVE EVENTS



© 2017 HackerEarth