

Full Name:

Remi Chartier

Email:

remipr.chartier@gmail.com

Test Name:

Mock Test

Taken On:

30 Oct 2021 13:33:30 IST

Time Taken:

Contact Number:

0 min 22 sec/ 25 min

+14084751573

Linkedin:

http://www.linkedin.com/in/remichartier

Invited by:

Ankush

Invited on:

30 Oct 2021 13:33:23 IST

Skills Score:

Tags Score:

 Algorithms
 50/75

 Core CS
 50/75

 Medium
 50/75

 Search
 50/75

problem-solving 50/75

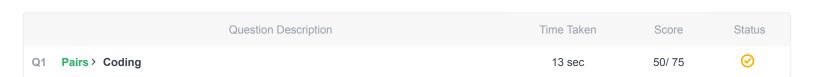
66.7% 50/75

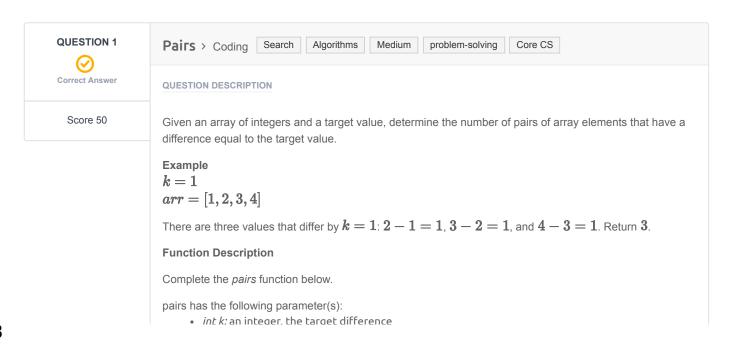
scored in **Mock Test** in 0 min 22 sec on 30 Oct 2021 13:33:30

IST

Recruiter/Team Comments:

No Comments.





• int arr[n]: an array of integers

Returns

• int: the number of pairs that satisfy the criterion

Input Format

The first line contains two space-separated integers n and k, the size of arr and the target value. The second line contains n space-separated integers of the array arr.

Constraints

- $2 \le n \le 10^5$
- $0 < k < 10^9$
- $0 < arr[i] < 2^{31} 1$
- ullet each integer arr[i] will be unique

Sample Input

```
STDIN Function
----
5 2 arr[] size n = 5, k = 2
1 5 3 4 2 arr = [1, 5, 3, 4, 2]
```

Sample Output

3

Explanation

There are 3 pairs of integers in the set with a difference of 2: [5,3], [4,2] and [3,1]. .

CANDIDATE ANSWER

Language used: Python 3

```
1 #
2 # Complete the 'pairs' function below.
3 #
4 # The function is expected to return an INTEGER.
5 # The function accepts following parameters:
6 # 1. INTEGER k
7 # 2. INTEGER ARRAY arr
8 #
10 def pairs(k, arr):
     # Write your code here
     count = 0
     arr1 = set(arr)
     for i in range(len(arr1)):
     for j in range(i+1,len(arr1)):
             if abs(arr[i] - arr[j]) == k:
                 count += 1
     return count
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Hidden case		5	0.0438 sec	9.32 KB

Testcase 2	Easy	Hidden case		5	0.0635 sec	9.47 KB
Testcase 3	Easy	Hidden case	Success	5	0.0652 sec	9.38 KB
Testcase 4	Easy	Hidden case	Success	5	0.0615 sec	9.41 KB
Testcase 5	Easy	Hidden case	Success	5	0.1221 sec	9.44 KB
Testcase 6	Easy	Hidden case	Success	5	3.1412 sec	10.5 KB
Testcase 7	Easy	Hidden case	Success	5	3.5419 sec	10.5 KB
Testcase 8	Easy	Hidden case	Success	5	0.7899 sec	9.99 KB
Testcase 9	Easy	Hidden case	Success	5	2.6955 sec	10.4 KB
Testcase 10	Easy	Hidden case	Success	5	7.2994 sec	11 KB
Testcase 11	Easy	Hidden case	Terminated due to timeout	0	10.0072 sec	21.3 KB
Testcase 12	Easy	Hidden case	Terminated due to timeout	0	10.0072 sec	21.4 KB
Testcase	Easy	Hidden case	Terminated due to timeout	0	10.0095 sec	21.4 KB
Testcase 14	Easy	Hidden case	Terminated due to timeout	0	10.0033 sec	21.4 KB
Testcase 15	Easy	Hidden case	Terminated due to timeout	0	10.0028 sec	21.4 KB
Testcase 16	Easy	Sample case	⊘ Success	0	0.0408 sec	9.46 KB
Testcase 17	Easy	Sample case	⊘ Success	0	0.037 sec	9.37 KB
Testcase	Easy	Sample case	Success	0	0.0463 sec	9.46 KB

No Comments

PDF generated at: 30 Oct 2021 08:05:54 UTC