

Full Name:

Remi Chartier

Email:

remipr.chartier@gmail.com

Test Name:

Mock Test

Taken On:

30 Oct 2021 09:55:44 IST

Time Taken:

Contact Number:

5 min 45 sec/ 25 min

+14084751573

Linkedin:

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

Invited by:

Ankush

Invited on:

30 Oct 2021 09:55:35 IST

Skills Score:

Tags Score:

 Algorithms
 50/75

 Core CS
 50/75

 Medium
 50/75

 Search
 50/75

problem-solving 50/75

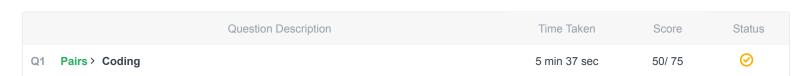
66.7% 50/75

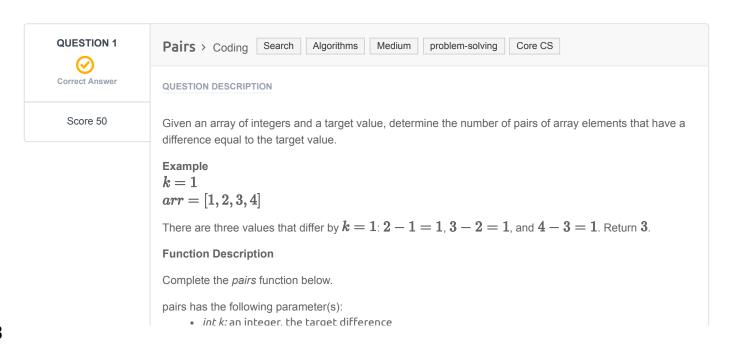
scored in **Mock Test** in 5 min 45 sec on 30 Oct 2021 09:55:44

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: C++

```
1 /*
 2 * Complete the 'pairs' function below.
 4 * The function is expected to return an INTEGER.
 5 * The function accepts following parameters:
   * 1. INTEGER k
   * 2. INTEGER ARRAY arr
   */
10 int pairs(int k, vector<int> arr) {
     int count(0);
     for(size_t i=0; i < arr.size(); ++i){</pre>
          for(size t j=i+1; j < arr.size(); ++j){</pre>
              if(abs(arr[i] - arr[j]) == k){
                   count++;
          }
     }
      return count;
20 }
```

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Testcase 1	Easy	Hidden case	Success	5	0.0177 sec	9.05 KB
Testcase 2	Easy	Hidden case		5	0.0164 sec	9.08 KB
Testcase 3	Easy	Hidden case	Success	5	0.0195 sec	8.96 KB
Testcase 4	Easy	Hidden case	Success	5	0.0182 sec	9.08 KB
Testcase 5	Easy	Hidden case	Success	5	0.0162 sec	9.02 KB
Testcase 6	Easy	Hidden case		5	0.0468 sec	9.15 KB
Testcase 7	Easy	Hidden case	Success	5	0.0456 sec	9.29 KB
Testcase 8	Easy	Hidden case	Success	5	0.0297 sec	9.35 KB
Testcase 9	Easy	Hidden case	Success	5	0.047 sec	9.14 KB
Testcase 10	Easy	Hidden case	Success	5	0.0797 sec	9.21 KB
Testcase 11	Easy	Hidden case	Terminated due to timeout	0	2.0029 sec	14.4 KB
Testcase 12	Easy	Hidden case	Terminated due to timeout	0	2.0047 sec	14.3 KB
Testcase 13	Easy	Hidden case	Terminated due to timeout	0	2.0035 sec	14.5 KB
Testcase 14	Easy	Hidden case	Terminated due to timeout	0	2.0035 sec	14.3 KB
Testcase 15	Easy	Hidden case	Terminated due to timeout	0	2.0076 sec	14.4 KB
Testcase 16	Easy	Sample case	Success	0	0.0141 sec	8.87 KB
Testcase 17	Easy	Sample case	Success	0	0.0157 sec	8.73 KB
Testcase	Easy	Sample case	Success	0	0.0259 sec	9.05 KB

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