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Test Name:

Mock Test

Taken On:

30 Oct 2021 06:41:56 IST

Time Taken:

6 min 33 sec/ 25 min

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30 Oct 2021 06:41:50 IST

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Skills Score:

Tags Score:

problem-solving 45/75

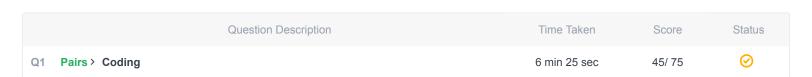
60% 45/75

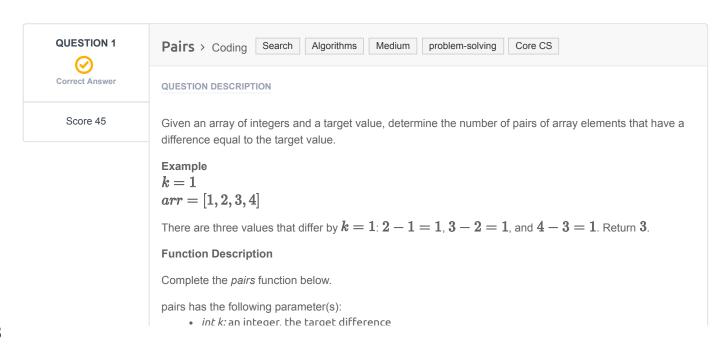
scored in **Mock Test** in 6 min 33 sec on 30 Oct 2021 06:41:56

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
     pair_list = []
     for i in range(len(arr)):
         for j in range(len(arr)):
             if i == j:
                  continue
              if arr[i] - arr[j] == k:
                  # print(f"{arr[i]} - {arr[j]} == {k} --> append")
                  pair list.append([arr[i],arr[j]])
     return(len(pair list))
```

TESTCASE DIFFICULTY TYPE STATUS SCORE TIME MEMORY
TAKEN USED

| | | | | | ., ., | 0020 |
|----------------|------|-------------|---|---|-------------|---------|
| Testcase 1 | Easy | Hidden case | Success | 5 | 0.0553 sec | 9.42 KB |
| Testcase 2 | Easy | Hidden case | Success | 5 | 0.0787 sec | 9.52 KB |
| Testcase 3 | Easy | Hidden case | Success | 5 | 0.0854 sec | 9.35 KB |
| Testcase 4 | Easy | Hidden case | Success | 5 | 0.0493 sec | 9.29 KB |
| Testcase 5 | Easy | Hidden case | Success | 5 | 0.1624 sec | 9.5 KB |
| Testcase 6 | Easy | Hidden case | | 5 | 4.9849 sec | 10 KB |
| Testcase 7 | Easy | Hidden case | Success | 5 | 5.8749 sec | 10 KB |
| Testcase 8 | Easy | Hidden case | Success | 5 | 1.4057 sec | 9.68 KB |
| Testcase 9 | Easy | Hidden case | Success | 5 | 4.2042 sec | 9.71 KB |
| Testcase | Easy | Hidden case | Terminated due to timeout | 0 | 10.0026 sec | 10.6 KB |
| Testcase 11 | Easy | Hidden case | Terminated due to timeout | 0 | 10.0061 sec | 20.8 KB |
| Testcase | Easy | Hidden case | Terminated due to timeout | 0 | 10.0044 sec | 20.8 KB |
| Testcase | Easy | Hidden case | Terminated due to timeout | 0 | 10.0029 sec | 20.8 KB |
| Testcase | Easy | Hidden case | Terminated due to timeout | 0 | 10.0051 sec | 20.7 KB |
| Testcase | Easy | Hidden case | Terminated due to timeout | 0 | 10.003 sec | 20.8 KB |
| Testcase 16 | Easy | Sample case | Success | 0 | 0.0473 sec | 9.44 KB |
| Testcase | Easy | Sample case | Success | 0 | 0.0393 sec | 9.39 KB |
| Testcase | Easy | Sample case | Success Success | 0 | 0.0348 sec | 9.45 KB |

No Comments

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