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Test Name:

Mock Test

Ankush

Taken On:

11 Oct 2023 20:40:39 IST

Time Taken:

2 min 28 sec/ 25 min

Invited by: Invited on:

11 Oct 2023 20:40:32 IST

Skills Score:

Tags Score:

Algorithms 75/75

Core CS 75/75

Medium 75/75

Search 75/75

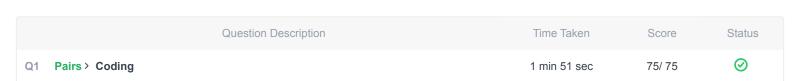
problem-solving 75/75

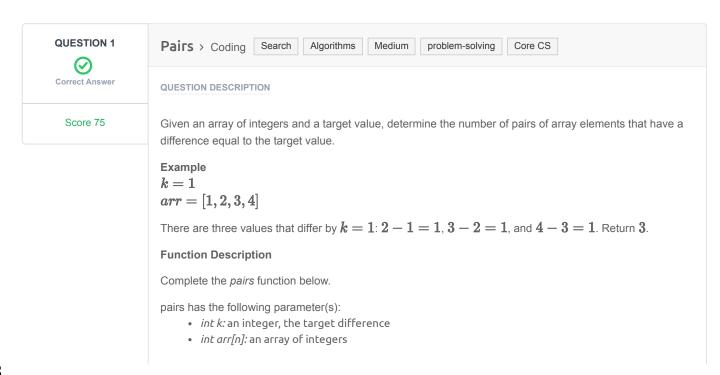


scored in **Mock Test** in 2 min 28 sec on 11 Oct 2023 20:40:39 IST

Recruiter/Team Comments:

No Comments.





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

- $2 < n < 10^5$
- $0 < k < 10^9$
- $0 < arr[i] < 2^{31} 1$
- 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

```
2 # Complete the 'pairs' function below.
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
     combinations = []
14
     map = {item:True for item in arr}
     for number in arr:
         if number + k in map :
              combinations.append([number, k])
          if number - k in map :
              combinations.append([number, k])
          del map [number]
      print(combinations)
      return len(combinations)
```

Testcase 2	Easy	Hidden case	Success	5	0.0549 sec	10.8 KB	
Testcase 3	Easy	Hidden case	Success	5	0.0524 sec	10.8 KB	
Testcase 4	Easy	Hidden case	Success	5	0.0679 sec	10.6 KB	
Testcase 5	Easy	Hidden case	Success	5	0.0551 sec	10.7 KB	
Testcase 6	Easy	Hidden case	Success	5	0.0603 sec	11.9 KB	
Testcase 7	Easy	Hidden case	Success	5	0.0756 sec	12.2 KB	
Testcase 8	Easy	Hidden case	Success	5	0.0983 sec	11.2 KB	
Testcase 9	Easy	Hidden case	Success	5	0.0656 sec	11.5 KB	
Testcase 10	Easy	Hidden case	Success	5	0.067 sec	12.3 KB	
Testcase 11	Easy	Hidden case	Success	5	0.1925 sec	24.6 KB	
Testcase 12	Easy	Hidden case	Success	5	0.1596 sec	24.8 KB	
Testcase 13	Easy	Hidden case	Success	5	0.1509 sec	25 KB	
Testcase 14	Easy	Hidden case	Success	5	0.1125 sec	24.7 KB	
Testcase 15	Easy	Hidden case	Success	5	0.1297 sec	25.2 KB	
Testcase 16	Easy	Sample case	Success	0	0.0588 sec	10.7 KB	
Testcase 17	Easy	Sample case	Success	0	0.0617 sec	10.9 KB	
Testcase 18	Easy	Sample case	Success	0	0.272 sec	10.5 KB	
No Comments							

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