

## Pairs with difference K

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You are given with an array of integers and an integer K. You have to find and print the count of all such pairs which have difference K.

Note: Take absolute difference between the elements of the array.

### Input Format:

The first line of input contains an integer, that denotes the value of the size of the array. Let us denote it with the symbol n.

The following line contains n space separated integers, that denote the value of the elements of the array.

The following line contains an integer, that denotes the value of K.

### Output format :

The first and only line of output contains count of all such pairs which have an absolute difference of K.

### Constraints :

$0 \leq n \leq 10^4$

Time Limit: 1 sec

### Sample Input 1 :

```
4
5 1 2 4
3
```

### Sample Output 1 :

```
2
```

### Sample Input 2 :

```
4
4 4 4 4
0
```

### Sample Output 2 :

```
6
```

**THE TIME COMPLEXITY SHOULD NOT EXCEED  $O(n)$**