Pairs

Given N integers, count the number of pairs of integers whose difference is K.

Input Format

The first line contains N and K.
The second line contains N numbers of the set. All the N numbers are unique.

Output Format

An integer that tells the number of pairs of integers whose difference is K.

Constraints:
$N \leq 10^5$
$0 < K < 10^9$
Each integer will be greater than 0 and at least K smaller than $2^{31}-1$.

Sample Input

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

Sample Output

```
3
```

Explanation

There are 3 pairs of integers in the set with a difference of 2.