

## Problem Statement

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.