

Problem B. Hacking the random number generator

Time limit	1000 ms
Mem limit	1572864 kB
Code length Limit	50000 B
OS	Linux

You recently wrote a random number generator code for a web application and now you notice that some cracker has cracked it. It now gives numbers at a difference of some given value k more predominantly. You being a hacker decide to write a code that will take in n numbers as input and a value k and find the total number of pairs of numbers whose absolute difference is equal to k , in order to assist you in your random number generator testing.

NOTE: All values fit in the range of a signed integer, $n, k \geq 1$

Input

1st line contains n & k .

2nd line contains n numbers of the set. All the n numbers are assured to be distinct.

(Edited: $n \leq 10^5$)

Output

One integer saying the no of pairs of numbers that have a diff k .

Example

Input	Output
5 2 1 5 3 4 2	3