

Problem I

Last Day Of Summer

Time limit: 2 seconds

*“There’s a hundred and four days of summer vacation
And school comes along just to end it
So the annual problem for our generation
Is finding a good way to spend it
Like maybe !!!”*

FatMinh is humming the intro song from the animated series Phineas and Ferb – the stan of this series.

FatMinh watches all the episodes and measures the “craziness” index in each invention of Phineas and Ferb throughout the episodes – called C_i with i is the number of episode. Before returning to the next semester after the summer break, FatMinh wants to have fun with his favorite animated series. Therefore, he will watch 2 episodes per day. To make the time as enjoyable as possible, he decided to watch the episodes in the following order.



Phineas and Ferb “Last Day of Summer” episode
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First, he chooses a number B , then selects two episodes i and j such that $i < j$ and the difference in their order strictly greater than B . To maximize his enjoyment, he will optimally choose two episodes such that the difference in craziness levels of episode i and episode j is divisible by K . In other words, he will select two episodes such that $|C_i - C_j|$ is divisible by K

Please find out how many pair of episode indices (i, j) satisfied with FatMinh’s conditions.

Input

The first line contains three integers N , B and K , N is the number of episode, B is the number that FatMinh chose and K is the number for the condition to choose two episode.

The next line containing N non-negative integers C_i – denote the “craziness” index in each invention of Phineas and Ferb throughout the episodes.

Output

Print a single line containing a single integer is the number of indices (i, j) that satisfied with FatMinh’s conditions

Constraints

$$1 \leq B \leq N \leq 10^6.$$

$$1 \leq K \leq 1\,000.$$

$$1 \leq C_i \leq 10^9 \ (1 \leq i \leq N).$$

Sample Explanation

In the sample, we have 5 pairs that satisfied with condition $(i, j) = (1, 8), (1, 9), (2, 8), (2, 9), (3, 10)$.

Sample Input 1

10 5 23
1 24 25 4 30 15 3 1 24 2

Sample Output 1

5
