A - B problem

Description

For a given integer array $a[1 \dots n]$, you need to find the number of pairs $(i, j)(1 \leq i, j \leq n)$ satisfying $a_i - a_j$ equals to a constant C .

Input

The input contains mutiple cases. For each test case, there holds:

The first line contains two integers n and C separated by a single space. The second line contains n integers separated by spaces, indicating $a[1 \dots n]$.

The input of test cases terminates by end of file.

Output

For each test case, output one integer in a line as the number of the pairs described above.

Sample Input/Output

Input

```
4 1
1 1 2 3
2 0
1 1
```

Output

```
3
4
```

Constraint

$1 \leq n \leq 2 \cdot 10^5$, $0 \leq |a_i|, |C| \leq 10^9$.