

Another A - B problem

Description

A-long just solved 824, which is a question included in the assignment. He is considering another version of A - B problem as follows and turns to you for help.

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 $a_i - a_j = i - j$.

Input

The input data contains multiple cases. The first line of the input contains an integer T , indicating the number of test cases.

For each test case, the first line contains an integer n , representing the length of the array. The second line contains n integers, the i -th of which is a_i .

Output

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

Sample Input/Output

Input

```
4
6
1 2 3 4 2 3
6
1 6 3 4 5 6
3
1 2 3
4
1 3 3 4
```

Output

```
7
10
3
3
```

Constraint

$1 \leq T \leq 10, 1 \leq n \leq 10^5, 1 \leq a_i \leq 2 \times 10^5$.