Count the Pairs

? Ask Doubt

Time-Limit: 1 sec Score: 100.00/100 Difficulty :

Memory: 256 MB Accepted Submissions: 100

Description

You are given an array A of size N. You need to find the number of pairs (i, j) , i != j, such that A[i]+A[j] ≤ X.

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains two space-separated integers N X.

The second line of each test case contains N space-separated integers.

Output Format

For each test case, print the number of pairs (i, j) , i != j, such that A[i]+A[j] ≤ X.

Constraints

$1 \le T \le 10^5$

$1 \le N \le 10^5$

$1 \le A_i \le 10^6$

$1 \le X \le 10^6$

It is guaranteed that the sum of N over all test cases does not exceed 10^5.

Sample Input 1

Copy

```
2
5 4
1 2 2 3 4
3 10
5 5 5
```

Sample Output 1

Copy

```
8
6
```

Note

C++14[GCC]

Submit

```
1
```

Typesetting math: 100%