Problem

Alice has **N** boxes, and each box has certain non zero number of chocolates. These boxes are numbered from **1** to **N**.

Alice is planning to go to wonderland. She wants to carry exactly **K** number of chocolates and she can carry only **2** boxes. So she wants to know the number of ways in which she can select **2** boxes such that total number of chocolates in them is **K**.

Input

First line of the input is the number of test cases **T**. It is followed by **T** test cases. Each test case has **3** lines. First line is the number of boxes **N** and the next line has **N** space separated integers where the i^{th} integer is the number of chocolates in the i^{th} box and 3rd line of each test case contains value of **K**.

Output

For each test case, output a single number, the number of ways in which she can select the boxes.

Constraints

1<=**T(number of test cases)**<=10

1<=**N**<=10^5

1<=**Number of Chocolates in i^{th} box**<=100

Sample Input	Sample Output
3 5 1 2 3 4 3 6 5 1 1 1 1 1 2 5 1 5 3 3 3 6	2 10 4

Time Limit: 3

Memory Limit: 256

Source Limit: