Find it, K?

ZPRAC-16-17-Lab5

[25 points]

You are given an array A, of n integers. Find the number of index pairs (i,j) such that A[i]+A[j]=k and i < j.

Input Format:
The first line contains 2 space seperated integers n and k.
The second line contains n space seperated integers describing the array A.

Output:
Print the number of such pairs (i,j)

Constraints:
3 ≤ n ≤ 200

Example Input:
7 50
20 30 25 10 25 40 30

Example Output:
4

Explanation:
Let us show the indices for each of the elements in the array.

20--0
30--1
25--2
10--3
25--4
40--5
30--6

Now, the pairs we are looking for are--
1) (0,1) as A[0]+A[1]=50
2) (0,6) as A[0]+A[6]=50

3) (2,4) as A[2]+A[4]=50
4) (3,5) as A[3]+A[5]=50

Note that we are not considering (1,0) as i < j is violated.