#include <stdio.h>

int countpairswithdiff(int arr[], int n, int key)

{

int count = 0;

for (int i = 0; i < n - 1; i++)

{

for (int j = i + 1; j < n; j++)

{

if (arr[j] - arr[i] == key || arr[i] - arr[j] == key)

{

count++;

}

}

}

return count;

}

int main()

{

int T;

printf("enter no.of test cases");

scanf("%d", &T);

while (T--)

{

int n, key;

printf("enter no. of values to input");

scanf("%d", &n);

int arr[n];

printf("enter values ");

for (int i = 0; i < n; i++)

{

scanf("%d", &arr[i]);

}

printf("enter key");

scanf("%d", &key);

int result = countpairswithdiff(arr, n, key);

printf("%d\n", result);

}

return 0;

}