

# Count the Pairs (Easy)

Given N integers  $0 < N < 10^4$ , count the total pairs of integers that have a difference of K. (Everything can be done with 32 bit integers).

## Input Format

1st line contains T is number of test case ( $T \leq 50$ )

Each test case has 2 lines.

1st line of test case contains N & K (integers).

2nd line of test case contains N numbers of the set. All the N numbers are distinct.

## Output Format

One integer - the number of pairs of numbers that have a diff K.

## Example

**Input:**

```
2
5 2
1 5 3 4 2
10 1
363374326 364147530 61825163 1073065718 1281246024 1399469912 428047635 491595254 879792181 1069262793
```

**Output:**

```
3
0
```