

## DUO

Bibi work at an store. The store want sell a pair of product with discount. The pair of product must be have the same code. Bibi ask you to count pair of product. Bibi give you code of  $N$  products with **ordered by ascending** (small to bigger).

### Format Input

The first line contains an integer  $T$  stating the number of test cases. For each test case, the first line contains a single integer  $N$  which indicate the number of products. The next line contains  $N$  integers  $X_i$  ( $1 \leq i \leq N$ ) which indicate  $i^{th}$  element in the array.

### Format Output

Consists of  $T$  lines where each line has the format “Case #X: Y”, where  $X$  is the test case number starting at 1 and  $Y$  is the count of pair product.

### Constrains

$$1 \leq T \leq 100$$

$$1 \leq N \leq 10^5$$

$$1 \leq X_i \leq 2 \times 10^9$$

### Sample

Input	Output
3	Case #1: 0
10	Case #2: 3
1 2 3 4 5 6 7 8 9 10	Case #3: 9
10	
2 2 3 3 3 5 9 10 10 10	
20	
2 2 3 4 4 4 4 5 5 5 6 6 7 7 8 8 9 9 10 10	

### Explanation Case 3:

Sets: (2, 2), 3, (4, 4), (4, 4), (5, 5), 5, (7, 7), (8, 8), (9, 9), (10, 10)