

# Problem I. I

**Time limit** 1000 ms

**Mem limit** 65536 kB

Determine how many exchange operations are done in bubble sort algorithm to sort the elements of array in ascending order.

## Input

The first line contains the number of elements  $n$  ( $1 \leq n \leq 1000$ ) in array. The second line contains the array itself. It is guaranteed that all array elements are different and do not exceed  $10^9$  by absolute value.

## Output

Print the number of swaps in bubble sort.

### Sample 1

Input	Output
3 1 3 2	1

### Sample 2

Input	Output
2 2 1	1

### Sample 3

Input	Output
4 4 1 5 3	3