# Problem B1
# Sum of Pairs (Easy Version)

Time limit: 1 second

Memory limit: 2048 megabytes

## Problem Description

Given an array of $n$ integers $a_1, a_2, \ldots, a_n$. Find the sum of $a_j - a_i$ over all integer pairs $(i, j)$ satisfying $1 \leq i < j \leq n$ and $a_i < a_j$.

In other words, you are required to find the following sum:

$$\sum_{i=1}^{n-1} \sum_{j=i+1}^{n} \max(0, a_j - a_i)$$

## Input Format

The first line of the input contains an integer $n$ denoting the length of the array. The second line of the input contains $n$ space-separated integers $a_1, a_2, \ldots, a_n$.

## Output Format

Output the desired sum in one line.

## Technical Specification

- $2 \leq n \leq 1000$
- $1 \leq a_i \leq 10^7$ for $i = 1, 2, \ldots, n$

## Sample Input 1

```
5
4 10 3 8 2
```

## Sample Output 1

```
15
```

## Sample Input 2

```
7
82 283 194 30 201 30 217
```

## Sample Output 2

```
1158
```