# C++ Fundamentals – Exam

# The following tasks should be submitted to the SoftUni Judge system.

## Below Average Only

Given an array of integer numbers and its size, you will have to create a program for certain calculations. Your task is to find the average number for the given array then only get the numbers *below or equal to* that average.

Create two sums from these numbers: a sum of the elements on even positions and a sum of the elements on odd positions. Then multiply those sums and print the final product on the console.

### Input

### On the first line you will receive an integer number – the length of the array.

* On the **second line** you will receive a **sequence of integer numbers** – the array.

### Output

### Print the expected number.

### Examples

|  |  |  |
| --- | --- | --- |
| Input | Output | Comments |
| 7  1 1 1 1 1 1 1 | 12 | The average number of the array is:  (1 + 1 + 1 + 1 + 1 + 1 + 1) / 7 = 7 / 7 = 1  *All numbers are below or equal to the average of the array.*  Sum of elements on even positions (position 0, 2, 4, 6): 4  Sum of elements on odd positions (position 1, 3, 5): 3  Product: 4 \* 3 = 12 |
| 8  4 2 1 1 3 15 6 0 | 24 | (4 + 2 + 1 + 1 + 3 + 15 + 6 + 0) / 8 = 4  4 2 1 1 3 15 6 0  Even positions: 8, Odd Positions: 3  Product: 8 \* 3 = 24 |
| 2  1 1 | 1 |  |