

Paul is given an array A of length N. He must perform the following Operations on the array sequentially:

- \* Choose any two integers from the array and calculate their average.
- \* If an element is less than the average, update it to 0. However, if the element is greater than or equal to the average, he need not update it.

Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the array by performing the above operations.

**Note**: An exact average should be calculated, even if it results in a decimal.

## **Input Format:**

**input1**: An integer value N, representing the size of the array A.

**input2:** An integer array A.

## **Output Format:**

Return an integer value, representing the minimum possible sum of all the elements in the array by

## Sample Input

12345

## **Sample Output**

3BR235 38R23C50A0 3BR23C50A0 OAO 3BR23C5OAO 3BR23C5 288 AR STRANGE BRANGE STRANGE 38R23C50A03BR23C50A03BR23C50AN 350A0 3BR23C50A0 3BR23C50A0 3BR23C50A0 And leading to the state of the 38R23C50A03BR23C50A03B' 3BR23C50A03BR235 Source Code: 3BR2?

```
def min_sum(arr):
        arr.sort(reverse=True)
        total = arr[0]
        avg = arr[0]
        for i in range(1, len(arr)):
            if arr[i] < avg:</pre>
                break
            total += arr[i]
            avg = (total) / (i + 1)
        return total
    n = int(input())
    arr = list(map(int, input().split()))
    result = min_sum(arr)
    print(result)
                                                                                                                     2C50A0 3BR23C5
RESULT
  5 / 5 Test Cases Passed | 100 \%
```