

063

DETAILS

N NIKHIL

Roll Number C

3BR23CD063

EXPERIMEN

Title

:0063

MINIMUM ARRAY SUM

Description

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.

3886

* 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.

063

ABERTAGE BURER BERTAGE BURER BERTAGE STEEL BOOK STEEL BURER BERTAGE STEEL BURER BURE

MERR 2 HE BOOK OF THE REPORT OF THE PARTY OF

33CD063 38R23CD063 38R22CD063 38R23CD063 38R23CD063 38R22CD063 38R22CD063 38R22CD063 38R

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

38R23CD063 38R23CD063 38R23CD06

38R23CD06338R23CD063330

38R23CD063 3RR23CD063 3RR23CD063 3RR

Sample Input

12345

Sample Output

3BR235 3BR23CD0633BR23-Source Code: 3882

```
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)
RESULT
  5 / 5 Test Cases Passed | 100 %
```