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

5

12345

Sample Output

5

Source Code:

```
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)
                                                                                                              ~ 273H251 38.
    print(result)
RESULT
 5 / 5 Test Cases Passed | 100 \%
```