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	MINIMUM ARRAY SUM
	tie  MINIMÜM ARRAY SUM  Description 3 C 5 E 1 3 1 KUR 1 3 C 5 E 1
CSE131	Description 5
	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:
J.	
1 KN823	* 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.
. ^9	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the
323C5E7	array by performing the above operations.
5	Note: An exact average should be calculated, even if it results in a decimal.
, S	
£131 N	input1: An integer value N, representing the size of the array A.
	(3)
6	Output Format.
FIBJ3CE	Return an integer value, representing the minimum possible sum of all the elements in the array by
	Sample input
C5E131	5
CSET	Sample Output
	5
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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)
                                                                                                           1823cst1314111
1823cst131411
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 \%
```