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CDO! II	Title ARRAY SUM ARRAY SUM ARRAY SUM	3000
	MINIMUM ARRAY SUM	
BRI	Description (5) ARA SUM (15) AR	Š
15	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	2015
0	* Choose any two integers from the array and calculate their average.	
3CDG	* 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	R2?
V	1,1	3BRV?
Í2 0,000 0	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.	,
CDOTS	Note: An exact average should be calculated, even if it results in a decimal.	13CD0
	Input Format:	
S 3BRIT.	input1: An integer value N, representing the size of the array A.	, os
1,2	input2: An integer array A.	00/53
o	Output Format.	
3R13CD0	Return an integer value, representing the minimum possible sum of all the elements in the array by	8R2:
		38R2?
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COO	Sample Output	75884
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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)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```