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	itle SCY SEM SEL SCOOK SEL	13°CD,
A BRIT	MINIMUM ARRAY SUM 3CO SARA SUR	
BRI	Description Nation of State of	o.
, A	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	OOAA
	* Choose any two integers from the array and calculate their average.	1
3R23CD0	* 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	2
Ser.	not update it.	×3BR2
0	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
CDOAA 3	array by performing the above operations.	200
J.	√	273000
0.		
A 3BRL?	input1: An integer value N, representing the size of the array A.	DOAAS
×	S. C.	200
00	Output Format.	
R13CD0	Return an integer value, representing the minimum possible sum of all the elements in the array by	3BR2?
	Sample input	, , ,
300AA 35	<pre>5 12345</pre>	
300K	Sample Output	B B
	5	L'S
3BR23		<
°5°	Source Code: 3882 3C10 LAA 3BR2 3C10 LAA 3B	AAA3
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	3h. John Jan San San San San San San San San San S	, P.

```
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 %
```