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5R13C519	Roll Number 35 35 35 35 35 35 35 35 35 35 35 35 35	ر ص
3RV	3BR23CS182	3BR73
E	3BR23CS182 EXPERIMENT Title MINIMUM ARRAY SUM Description Description Age Age Age Age Age Age Age Ag	
S O'Ti	Title 13c5	5/9
	MINIMUM ARRAY SUM	1303
ე°)		
82 3BR23	Description School Scho	38
0.	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	187 38
~5 ³	* Choose any two integers from the array and calculate their average.	
3R13C519	* 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.	BRIDG
3	ovour task is to neip Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
, CS\81°3'	array by performing the above operations.	529
,)	, in the second of the second	130
200	Input Format:	
82 3BR13	input1: An integer value N, representing the size of the array A.	182 38
	<u> </u>	>
cs ²	Q Output Format.	
3R23C519	Sample Input	3BR23
	82	,
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,cs`	Sample Output	
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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)
                                                                                                       ABLUSCO, BUSHING
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```