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590k2 3	STUDENT REPORT	
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3R13C5V	3BR23CS042	823°
	WPERIMENT NO SERVICES AND SERVI	,
SOR	MINIMUM ARRAY SUM	csor
, 38RV.	SCEON SERVICE	. 8
,	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	x, 5
	Paul is given an array A or length N. He must perform the following operations on the array sequentially.	
050	* Choose any two integers from the array and calculate their average.	(
323°CSO	* 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.	SRJ'S
r _S	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.	
CSOAPS	array by performing the above operations.	1022
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0.00	Input Format:	
23BR2?	input1: An integer value N, representing the size of the array A.	38
2	input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:	×V
	Output Format:	
3R13C50	Return an integer value, representing the minimum possible sum of all the elements in the array by	3
BRI	Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input	Bei
CSOAR	12345	1
cso	Sample Output	EON
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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)
                                                                                                     ABRINGSOM 385
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```