DÊ	ETAILS  Name  State  St	,3°
· •	RAHUL M	522
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23°5° [	3BR23CS124	223
EX	3BR23CS124  SPERIMENT  Le  MINIMUM ARRAY SUM  Description  A prove the following Operations on the array acquentially:	30
,3°C	MINIMUM ARRAY SUM  SOLUTION ASSET AS	.v 3 <sup>9</sup>
×	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	372A38
~		
13°C5^7	* 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.	BRIS
5 <sup>2</sup> <sup>4</sup> <sup>3</sup> <sup>8</sup>	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.	
		23CS T
-0%		
*38RJ36	input1: An integer value N, representing the size of the array A.	38
	<u>of</u>	512A38
55	ouput romat.	
2355	Return an integer value, representing the minimum possible sum of all the elements in the array by  Sample Input	3BR23
38	5 12345	
512A38	Compile Output	697
	5	185°
SPACE	Source Code:  38422551243424255124342551244251244255124425512442551244255124425512442551244255124425512442551244255124425512442551244255124425124425512442512442551244255124425512442551244255124425512442551244255124425512442551244255124425	A STATE OF THE STA

```
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)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        J 38k<sup>2</sup> School 
                            print(result)
RESULT
```

5 / 5 Test Cases Passed | 100 %