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30	3BR23CD051  SKPERIMENT  itle  MINIMUM ARRAY SUM  Description  Description  Description  Description  Again to the property the following Operations on the every accuration.	,0057 3
	Paul is given all alray A of length N. He must perform the following Operations on the array sequentially.	Ş
R13CD0	* Choose any two integers from the array and calculate their average.	c
22	* 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.	BRIT
5057 3	Your task is to neip Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
:00-	Note: An exact average should be calculated, even if it results in a decimal.	223000
0	Input Format:	
3BR2?	input1: An integer value N, representing the size of the array A.	3
	input2: An integer array A.	0513
0	output Format.	
R13CD0	Return an integer value, representing the minimum possible sum of all the elements in the array by	3BR2
	Sample Input	. S
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5005	Sample Output	A CONTRACTOR OF THE PARTY OF TH
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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)
                                                                                                      3882301051
5 / 5 Test Cases Passed | 100 %
```

**RESULT**