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N	MINIMUM ARRAY SUM	JBV 3
ECELO36 C	MINIMUM ARRAY SUM Description 36 LUB	J ^r
\$Co.	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	,6030 F. 75.
್ಯ	* Choose any two integers from the array and calculate their average.	,*
,6 KUB231	* 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.	KNB 23 EC
0		4
523ECE03	array by performing the above operations. Note: An exact average should be calculated, even if it results in a decimal.	36
	Input Format:	3ECED36
£136 KJR		C
1030	input2: An integer array A.	,30 t J82°
		36
FNB53EC	Return an integer value, representing the minimum possible sum of all the elements in the array by	٥,
For	Sample Input	,8 ²³ ECE ⁶
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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)
                                                                                                     1823ECH3645
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```

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