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30,30	STUDENT REPORT	0
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) I	Name Colonia April 1999	2)
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3		3
	Paul is given an array A or length N. He must perform the following operations on the array sequentially.	
609	* Choose any two integers from the array and calculate their average.	
273050?	* 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.	223
2	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
5039 38	array by performing the above operations.	eo;
5	Note: An exact average should be calculated, even if it results in a decimal. Input Format:	5
(Input Format:	
3BR23	input1: An integer value N, representing the size of the array A.	~8
9)	input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:	2)
	Output Format:	
223050?		. (
223	Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input	, 22°
	Sample Input	
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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)
5 / 5 Test Cases Passed | 100 %
```

RESULT