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N Sparred C	SPERIMENT Ie MINIMUM ARRAY SUM Description A file with the sum are formatic for the fill with a Countries on the sum are the fill with a Countries on the sum are the fill with a Countries on the sum are the fill with a Countries on the sum are the sum ar	0.
350	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	33,0
	aut to given an array it or length it. He must perform the following operations on the array sequentially.	
CDO	* Choose any two integers from the array and calculate their average.	c
3R23CD0	* 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.	BRI
2	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
,c103535	array by performing the above operations.	00
,0	Note: An exact average should be calculated, even if it results in a decimal. Input Format:	30
	Input Format:	
aR23	input1: An integer value N, representing the size of the array A.	4
36 3BR23	input1: An integer value N, representing the size of the array A. input2: An integer array A.	(3 ₂)
	3	,
3R23CD0	Output Format:	
2230	Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input	22
δ,	Sample Input	,0
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350	1 2 3 4 5	0
CD03535	Sample Output	E SO
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°₽,	Source Code: April 2005 April 2005 April 2005	~ (Sec.)
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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)
RESULT
 5 / 5 Test Cases Passed | 100 %
```