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5R13C51	3BR23CS138	BRIS
	3BR23CS138 SXPERIMENT Title MINIMUM ARRAY SUM Description Descrip)
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,	MINIMUM ARRAY SUM	,
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58 3BR12	EXPERIMENT SUM ARRAY SUM Description Supplies S	28
5	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	,5
2	* Choose any two integers from the array and calculate their average.	
3R13C51	* 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	BR23'
<i>♦</i>	not update it.	50
3		
S 3 3 3	array by performing the above operations.	500
,9	Note: An exact average should be calculated, even if it results in a decimal.	355
0.5	5	
38 BRV ?	input1: An integer value N, representing the size of the array A.	38
5	input2: An integer array A.	38
~	o Catput i Simula	
3R13C51	Return an integer value, representing the minimum possible sum of all the elements in the array by	23
5	Sample Input	BRIS
2	_Q 5	
C5\38 35	12345	Cho.
,0"	Sample Output	35,00
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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)
                                                                                                      T AND SHELD C.
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```