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£05838RD	STUDENT REPORT	
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	Manjunath K T	
213EE059	Roll Number St.	SEK.
5	THOS TO STATE TO STAT	,
	(PERIMENT, 30)	
10,0	le constitution of the con	558
	MINIMUM ARRAY SUM	
N SHAPPE	3BR23EE058  (PERIMENT)  Ie  MINIMUM ARRAY SUM  Description  Descriptio	3BP
	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	
405	* Choose any two integers from the array and calculate their average.	
P. P. BEEDS	* 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.	13E
38	array by performing the above exerctions	
it1058385	Note: An exact average should be calculated, even if it results in a decimal.  Input Format:	058
	Input Format:	
83BR135	input1: An integer value N, representing the size of the array A.	-8
90	input2: An integer array A.	3BR
25	Output Format.	
SR23EEOE	Return an integer value, representing the minimum possible sum of all the elements in the array by	13K
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, EE0583R		
EEO	1 2 3 4 5  Sample Output  5	8 8
o <sup>₹</sup>	5	
3 <sup>b</sup> R <sup>1</sup> <sup>3</sup>	Source Code:  3442 26 10 10 24 10 10 25 26 10 10 25 26 10 10 25 26 10 10 25 26 10 25	P. Care
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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 %
```