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EXPERIMENT  MINIMUM ARRAY SUM  Description  Again	30°
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MINIMUM ARRAY SUM	3CDC
MINIMUM ARRAY SUM	5R23
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EXPERIMENT  MINIMUM ARRAY SUM  Paul is given an array A of length N. He must perform the following Operations on the array segmentially:	CD0803
radi is given an array A of length N. He must perform the following operations on the array sequentially.	57
* Choose any two integers from the array and calculate their average.  * 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.	ر م
* 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.	90 3BR2
Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the array by performing the above operations.  Note: An exact average should be calculated, even if it results in a decimal.	3R23CDC
Input Format:	5225
input2: An integer array A.	CD080 25
5	5
Output Format:  Return an integer value, representing the minimum possible sum of all the elements in the array by  Sample Input	0.3
Sample Input	38R2
5 1 2 3 4 5 Sample Output	B
Sample Output	A CONTRACTOR OF THE PARTY OF TH
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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**