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MINIMUM ARRAY SUM  Description  LUB2 SEFORT LUB2 SEFOR	FOAST
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Description: Description an array A of length N. He must perform the following Operations on the array sequentially:	200
Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	¥1823°
* Choose any two integers from the array and calculate their average.	
* 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.	13C5E0A
Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	V
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.	NE.
	10A5 KUE
Input Format:	
input1: An integer value N, representing the size of the array A.  input2: An integer array A.	205
4	U823C5
Output Format:	
Output Format:  Return an integer value, representing the minimum possible sum of all the elements in the array by  Sample Input	CSEONS'
	CSV
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5 12345 Sample Output	A CHIMP.
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Source Code:  Wile 23 C SELDA S. WIR 23 C SELDA	1835 EST
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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)
                                                                                                              -C5E045 XVB23C5
    print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
 1823
```