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Ŋ	MINIMUM ARRAY SUM)
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S	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	514
193	* Choose any two integers from the array and calculate their average.	
51 KUB231	* 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.	373°.
523C5E10	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.	
52303	Note: An exact average should be calculated, even if it results in a decimal. Input Format:	£101
0	Input Format:	
EJOJ KUR	input1: An integer value N, representing the size of the array A.	82
	input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:	47,
çs	Output Politiat.	
FIBJ3CE	Return an integer value, representing the minimum possible sum of all the elements in the array by	3CSE?
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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 %
                            1823
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