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	MINIMUM ARRAY SUM	50
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381	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	5BR13A
		,
23A1750		3A/5k
۵,9	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
1563BP	array by performing the above operations. Note: An exact average should be calculated, even if it results in a decimal.	38
	Input Format:	156 3B
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3BR73F	input2: An integer array A.	3BR23
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,R2	Sample Input	23A16
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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 %
```