```
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)
                                                                                                                           ECHO<sup>23</sup> LUB2<sup>3</sup>ECLO<sup>23</sup>
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 \%
```