```
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** 

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