```
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 \%
```