```
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)
                                                                                                                                    ~3<sup>A</sup>38<sup>R</sup>2<sup>3</sup>R<sub>1</sub>0<sup>3</sup><sup>1</sup>
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 \%
```