```
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()))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 20 38 R 3 E C 1 20 20 R 3 E C 1 2
                           result = min_sum(arr)
                           print(result)
RESULT
            5 / 5 Test Cases Passed | 100 %
```