```
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)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 233C, 138x3C, 138x3C, 138x23C, 138x25C, 138x25C,
                            print(result)
RESULT
             5 / 5 Test Cases Passed | 100 \%
```