Logo STUDENT REPORT LBE 73CO DETAILS J JAYALAKSHMI 3BR. 2300 SP23 38 .003 Roll Number 🔊 3BR23CD030 EXPERIMENT MINIMUM ARRAY SUM Title 3822 Description 0030 330 3BR Paul is given an array A of length N. He must perform the following Operations on the array sequentially: 3B2735 * Choose any two integers from the array and calculate their average. ,882,3CO * If an element is less than the average, update it to 0. However, if the element is greater than or equal to the average, he need not update it. Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements 230031 in the array by performing the above operations. ,00030 Note: An exact average should be calculated, even if it results in a decimal. Input Format: 38223 input 1: An integer value N, representing the size of the array A. 030 input2: An integer array A. Output Format: 3BR13CD 23003 Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input ,00030 5 1 2 3 4 5 Sample Output 3B22? Source Code: 3822

```
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 %
              .0030
```