Logo STUDENT REPORT DETAILS E083 KUB2, Roll Number 2CSEC UBV KUBI £083 **EXPERIMENT** Title SEOS MINIMUM ARRAY SUM AL BESTOR'S KU 3C5F083 Description Paul is given an array A of length N. He must perform the following Operations on the array sequentially: * Choose any two integers from the array and calculate their average. 83 KUB2 * 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 in the array by performing the above operations. Note: An exact average should be calculated, even if it results in a decimal. Input Format: 3E083 KU 3£083 KÚ input1: An integer value N, representing the size of the array A. input2: An integer array A. KUB23CE Output Format: KUB23CE Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input 3CSE083 5 12345 Sample Output KUBZ Source Code: KUB

```
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 %
```

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