STUDENT REPORT

N8 35

33CAOA8 3BR23CAOA8 3BR23CAOAR 3BR

CKO,

8223

DETAILS

KASIREDDY RITHU REDDY

Roll Number

3BR23CA048

EXPERIMENT

Title

MINIMUM ARRAY SUN

Description

Paul is given an array A of length N. He must perform the following Operations on the array sequentially:

84

- * Choose any two integers from the array and calculate their average.
- * 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:

input1: An integer value N, representing the size of the array A.

input2: An integer array A.

Output Format:

Return an integer value, representing the minimum possible sum of all the elements in the array by

Sample Input

12345

Sample Output

3823 38R23CAOA8 3BR23~ Source Code: 3BR2:

OA8 3BR23CAOA8 3BR23CA 3BR23CROAS https://practice.reinprep.com/student/get-report/1fc11eac-7cda-11ef-ae9a-0e411ed3c76b

```
3BR23CA048-Minimum Array sum
                            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()))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23C, 23CROWS 38K23CWO, 38K
                            result = min_sum(arr)
                            print(result)
RESULT
              5 / 5 Test Cases Passed | 100 %
```