

384

DETAILS

Name , o

MOUNIKA Y R

13C510A Roll Number 🖒

3BR23CS104

EXPERIMEN

ි Title

MINIMUM ARRAY SUN

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.
- * 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

3BR23C510A3BR23C510A3BR23C5

38R23C510A3BR23C510A

38R23C510A38R23C510A385

10A3BR23C510A3BR25C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C510A5A5C5

3530A3BR23CS10A3BR23CS10A

28Rada Sahaha Sa

OB BARA GARADA BARADA BARADA

Sample Input

12345

Sample Output

5

3BR23 3BR23C510A3BR23C Source Code: 3BR23

```
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 \%
```