

STUDENT REPORT

AILS BRANCHOSO SARAN SAR DETAILS Nam

EXPERIMENT

Title O

MINIMUM ARRAY SUM

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

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0.823

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Sample Input

12345

Sample Output

638R23CA086 RESULT

5 / 5 Test Cases Passed | 100 % ~8°°3° -8623

Roll Number

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Source Code:

```
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()))
                       22.2CA 086 3BR23CA 086 3BR23CA
.3863BR23CA0863BR23CA0863BR23CA0863.
                                                                                                                                                                                     6.38R23CA086 3BR23CA086 3BR23CA08
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