, 5063 3	STUDENT REPORT
3 SPACE	Name Constitution The Manager Constitution of the Constitution of
	HARSHITHA T
8R13C50	3BR23CS063
0. <u>-</u> 0	Service of the servic
000	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:
650	* Choose any two integers from the array and calculate their average.
3R73C50	* 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.
,C50633	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the
,55	Note: An exact average should be calculated, even if it results in a decimal. Input Format:
9	Input Format:
33BRN	input1: An integer value N, representing the size of the array A.
03	input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:
c.C	« Cuput Format.
3R73C5C	Return an integer value, representing the minimum possible sum of all the elements in the array by
	Sample input
,05063	Q 5
CSOU	Sample Output 5
	, 5
BART	Source Code: ART Color Of the
	AKING COOP TO SHELL OF THE SHEL

```
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)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J Coo Sale And Sale Coo Sale And Sale Coo Sale And Sale Coo Sale And Sale Coo Sale C
                         print(result)
RESULT
              5 / 5 Test Cases Passed | 100 \%
```