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,063	STUDENT REPORT	^
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16 3BRI	ETAILS  Name 3CD 100 3HR/3CD 1	1000
	YAMINI D	
3R23CD1	Roll Number 13 638 638	(
BRIT	3BR23CD106	3BR1
Ę	3BR23CD106  XPERIMENT  Title  MINIMUM ARRAY SUM  Description  Description  A of length N. He must perform the following Operations on the array conventibles.	
<sup>CO</sup> √O <sub>C</sub> LI	MINIMUM ARRAY SUM	300
SO 3BRIL	MINIMUM ARRAY SUM	,
63BR1	Description 23cV 23cV 23cV 23cV	0
50	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	,0
	* Choose any two integers from the array and calculate their average.	
,R23cD1	* 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.	BRI
50,0635	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	
50 <sup>2</sup> 0	Note: An exact average should be calculated, even if it results in a decimal.  Input Format:	300
	Input Format:	
63BRD	input1: An integer value N, representing the size of the array A.	, o
0,3	input1: An integer value N, representing the size of the array A.  input2: An integer array A.	00
	Output Format:	
R13CD1	Return an integer value, representing the minimum possible sum of all the elements in the array by	0.
RIV	Return an integer value, representing the minimum possible sum of all the elements in the array by  Sample Input	BRI
	。 5	
50,0635	12345	2
57	Sample Output	3500
000	5	
38R13	Source Code:  3HR13C11063HR13C1063HR13C11063HR13C11063HR13C11063HR13C11063HR13C11063HR13C11063HR	60
	Source Code:  34422C11063H423C11063H	Bar Car
	344 3CO 106 3 HA 3	EGA

```
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 %
```