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36	STUDENT REPORT	
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3 ⁶	Name 3c5067 ARP1357 ARP1357 ARP1357 ARP1357 ARP1357 ARP1357	38
	No.	
2230509	Roll Number 35 35 35 35 35 35 35 35 35 35 35 35 35	J3
	2c2, 3kg, 90, 3c2, 3kg, 90, 3c2, 3kg, 90, 3c2, 3kg, 90, 3	
(7)	(PERIMENT, A APPAY SUM)	,
Tit	HINIMÜM ARRAY SUM	.00
ı	MINIMUM ARRAY SUM	
3BR236	SPERIMENT OF THE PROPERTY OF T	38
	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	
cok	* Choose any two integers from the array and calculate their average.	
213C50k	* 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.	J25
506938	Your task is to help Paul find and return an integer value, representing the minimum possible sum of all the elements in the	nan or equal to the average, he need ble sum of all the elements in the
500	Note: An exact average should be calculated, even if it results in a decimal.	0,
,	Input Format:	
38223	input1: An integer value N, representing the size of the array A.	. 0
2)	input2: An integer array A.	3
(v	Output Format:	
223C50t	Return an integer value, representing the minimum possible sum of all the elements in the array by	~~ ~~
Riv	Sample Input	
:500938	5 12345	
500	Sample Output	30
	5	
3BR13	Source Code: 3842 3C506 3442 3C5	100 Color
	Source Code: 3642 2550 34	See

```
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 %
```