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	MINIMUM ARRAY SUM	5
(2)	3BR23CS140 XPERIMENT State MINIMUM ARRAY SUM Description Descript	38
0	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	NO
10	* Choose any two integers from the array and calculate their average.	
R23C51	* 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.	3223
51A038	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.	
51	Note: An exact average should be calculated, even if it results in a decimal. Input Format:	SAL
	Name of France in the Control of the	
03BR236	input1: An integer value N, representing the size of the array A.	
6	input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:	VO3,
	Output Format:	
R23C511	Return an integer value, representing the minimum possible sum of all the elements in the array by	0)
	Sample Input	BRIL
38	5 12345	
5100 3P	Sample Output	CS/C
		, S
3BR13	Source Code: 3HR13C51AO3H	1.38
	Source Code: 3 PR 2 SE 1 PO 3 PR 2	
	36 ¹ 36 ¹ 26 ¹ 20 36 ¹ 20	SSI

```
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 %
```