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EXPERIMENT, 120 Title MINIMUM ARRAY SUM SELOTI LIBRASE SELOTI LI	0,
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MINIMUM ARRAY SUM Description Scription Scrip	
Description Description	73
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.	,3°.
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.	.1
Note: An exact average should be calculated, even if it results in a decimal. Input Format:	
Input Format:	
input Format: input 1: An integer value N, representing the size of the array A. input2: An integer array A.	2)
input1: An integer value N, representing the size of the array A. input2: An integer array A. Output Format:)~
Output Format:	
Output Format: Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input	:45
Return an integer value, representing the minimum possible sum of all the elements in the array by Sample Input	
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5 12345 Sample Output	The
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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 %
```

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