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	MINIMUM ARRAY SUM	J305
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CSE 133 I	Description S Cost Library Cost Cost Cost Cost Cost Cost Cost Cost	34
)	Paul is given an array A of length N. He must perform the following Operations on the array sequentially:	133 H
1823°	* Choose any two integers from the array and calculate their average.	
53 K1823	* 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.	JB236
est <sup>n°</sup>	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.	
523C5E11	Note: An exact average should be calculated, even if it results in a decimal.	CSKING
0	Input Format:	5
K133 KJ8	input1: An integer value N, representing the size of the array A.	18
K	input2: An integer array A.	3 T/18
S	Output Format:	
F7873CS	Return an integer value, representing the minimum possible sum of all the elements in the array by	SK
	Cample input	323CSK
CSKABB	5 12345	
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42.	Source Code:  LUBY 30-5EL 13-3-LUBY 30-5EL 13-S-LUBY 30-5	838
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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)
                                                                                                                     , 18<sup>23</sup>C5<sup>E</sup>L18<sup>33</sup>C<sup>C</sup>
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 \%
```