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E)	*PERIMENT	2823C3	65096	2813C3	063BPV 5505	2)6
્જ <sup>⊙</sup> Ti	tle 355	35	BANDS	100 3b	2 April 2	
	MINIMUM ARRAY SUM	305	5096 273C	38821	65096	23355
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63BR13	Description	3C5006 3RR13C5006 3RR13C5006 38	CSO SO SERVING SERVING	38H1 <sup>3</sup> C5006 38H1 <sup>3</sup> C50	96 3HR13 CSO 96 3H	6
	Paul is given an array A of length N.	He must perform the followin	g Operations on the a	rray sequentially:		C50963
200	* Choose any two integers from the	array and calculate their avera	age.			,
RP3CSOC	* If an element is less than the avera not update it.	ge, update it to 0. However, if	the element is greate	r than or equal to the	average, he need	16 3BR 2
5000	Your task is to help Paul find and ret array by performing the above opera	-	ting the minimum pos	ssible sum of all the el	ements in the	
500	Note: An exact average should be ca	lculated, even if it results in a	decimal.			3R73C5C
	Input Format:					5R1
638RV3	input1: An integer value N, represent	ing the size of the array A.				
6	input2: An integer array A.					C20003
	Output Format:					,
R230506	Return an integer value, representing	the minimum possible sum	of all the elements in t	the array by		.0
×.	Sample Input					36 3BR 1
3	5					7
5000 35	12345					Cas
						A STATE OF THE PARTY OF THE PAR
3BR?	5					
36,	Source Code:	3000	BR2's	30	37	70/8/g
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	_ <del>k</del> 1	3C3 (38FE)	(50°)6	(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	C C D D D D D D D D D D D D D D D D D D	8. C. S.
	300	20,	320	200,0	1935 . 35	EV.

```
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)
                                                                                                       ABRUNCSON SERVICE
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```