CSES Problem Set

Stick Lengths

Submission details

Task:	Stick Lengths
Sender:	tonykk
Submission time:	2024-09-22 14:58:20 +0300
Language:	Python3 (CPython3)
Status:	READY
Result:	ACCEPTED

Test results

test	verdict	time	
#1	ACCEPTED	0.02 s	»
#2	ACCEPTED	0.02 s	»
#3	ACCEPTED	0.02 s	»
#4	ACCEPTED	0.07 s	»
#5	ACCEPTED	0.17 s	»
#6	ACCEPTED	0.18 s	»
#7	ACCEPTED	0.02 s	»
#8	ACCEPTED	0.02 s	»
#9	ACCEPTED	0.02 s	»
#10	ACCEPTED	0.02 s	»
#11	ACCEPTED	0.02 s	»
#12	ACCEPTED	0.09 s	»

Code

```
1  def min_ktsg(n, hosszok):
2      hosszok.sort()                    # Rendezés
3      median = hosszok[n // 2]          # Medián megahtározása
4
5      ossz_ktsg = sum(abs(hossz - median) for hossz in hosszo
6
7      return ossz_ktsg
8
9                                        # Bemenetek olv
10 n = int(input())                      # 5
11 hosszok = list(map(int, input().split()))  # 2 3 1 5 2  ->
12                                       #split szóközök
13                                       #map fgv. egy a
14                                       #list() iterálh
15
16                                       # Eredmény kiír
```

Sorting and Searching

...

- Movie Festival –
- Sum of Two Values –
- Maximum Subarray Sum –
- Stick Lengths ✓
- Missing Coin Sum –
- Collecting Numbers –
- Collecting Numbers II –
- Playlist –

...

Your submissions

- 2024-09-22 14:58:20 ✓
- 2024-09-22 14:56:37 ✓

```
print(min_ktsg(n, hosszok))                    # Kimenet: 5
```

SHARE CODE TO OTHERS

Test details

Test 1

Verdict: ACCEPTED

input
10 1 1 1 1 1 1 1 1 1 1

correct output

user output
0

Test 2

Verdict: ACCEPTED

input
10 1 4 7 8 10 3 2 5 6 9

correct output
25

user output
25

Test 3

Verdict: ACCEPTED

input
10 576256620 793841203 607061968 ...

correct output
1758621869

user output

1758621869

Test 4

Verdict: ACCEPTED

input
200000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ...

correct output
0

user output
0

Test 5

Verdict: ACCEPTED

input
200000 138511 36781 76004 108195 1037...

correct output
10000000000

user output
10000000000

Test 6

Verdict: ACCEPTED

input
200000 881618352 946937729 472268057 ...

correct output
49955518418712

user output
49955518418712

Test 7

Verdict: ACCEPTED

input
5 1 2 3 4 5

correct output
6

user output
6

Test 8

Verdict: ACCEPTED

input
1 1

correct output
0

user output
0

Test 9

Verdict: ACCEPTED

input
7 3 4 4 4 4 4 4

correct output
1

user output
1

Test 10

Verdict: ACCEPTED

input
5 1 1 1 2 2

correct output
2

user output
2

Test 11

Verdict: ACCEPTED

input
5 1 4 5 100 100

correct output
195

user output
195

Test 12

Verdict: ACCEPTED

input
199999 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ...

correct output
14999750001

user output
14999750001