CSES josueMamani —

CSES Problem Set

Stick Lengths

TASK | SUBMIT | RESULTS | ANALYSIS | STATISTICS | TESTS | QUEUE

Submission details

Task:	Stick Lengths
Sender:	josueMamani
Submission time:	2025-11-13 05:38:58 +0200
Language:	C++ (C++17)
Status:	READY
Result:	ACCEPTED

Test results ▲

test	verdict	time	
#1	ACCEPTED	0.00 s	»
#2	ACCEPTED	0.00 s	»
#3	ACCEPTED	0.00 s	»
#4	ACCEPTED	0.04 s	»
#5	ACCEPTED	0.09 s	»
#6	ACCEPTED	0.12 s	»
#7	ACCEPTED	0.00 s	»
#8	ACCEPTED	0.00 s	»
#9	ACCEPTED	0.00 s	»
#10	ACCEPTED	0.00 s	»
#11	ACCEPTED	0.00 s	»
#12	ACCEPTED	0.06 s	»

Code ▲

```
#include<bits/stdc++.h>
using namespace std;
int main(){
    long long n;
    cin>>n;
    long long arr[n];
    for(int i=0;i<n;i++){
        cin>>arr[i];
    }
    sort(arr, arr+n);

    long long med=arr[n/2];
    long long cost=0;
    for(int j=0;j<n;j++){
        if(arr[j]<med){
```

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

2025-11-13 05:38:58 ✓

```
            cost=cost+(med-arr[j]);
        }else if(arr[j]>med){
            cost=cost+(arr[j]-med);
        }
    }
    cout<<cost;
    return 0;
}
```

SHARE CODE TO OTHERS

Test details ▲

Test 1

Verdict: ACCEPTED

input

```
10
1 1 1 1 1 1 1 1 1 1
```

correct output

```
0
```

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
```