CSES Problem Set

Missing Number

Submission details

Task:	Missing Number
Sender:	josueMamani
Submission time:	2025-10-03 05:29:00 +0300
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	0.00 s	»
#5	ACCEPTED	0.00 s	»
#6	ACCEPTED	0.01 s	»
#7	ACCEPTED	0.01 s	»
#8	ACCEPTED	0.02 s	»
#9	ACCEPTED	0.03 s	»
#10	ACCEPTED	0.07 s	»
#11	ACCEPTED	0.07 s	»
#12	ACCEPTED	0.07 s	»
#13	ACCEPTED	0.00 s	»
#14	ACCEPTED	0.00 s	»

Code

```cpp
#include<iostream>
using namespace std;
int main(){

    long long int i, n, faltante, num;
    long long int sum=0;

    cin>>n;
    cout<<endl;
    for(i=1; i<=n-1; i++){
        cin>>num;
        sum=sum+num;
```

Introductory Problems

- Weird Algorithm ✓
- Missing Number ✓
- Repetitions ✓
- Increasing Array ✓
- Permutations ✓
- Number Spiral -
- Two Knights -
- Two Sets ✓

...

Your submissions

- 2025-10-03 05:29:00 ✓
- 2025-10-03 05:27:49 ✓
- 2025-10-03 03:11:05 ✓
- 2025-10-03 01:49:36 ×
- 2025-10-03 01:43:39 ×
- 2025-10-03 01:42:56 ×
- 2025-10-03 01:41:59 ×
- 2025-10-03 01:30:15 ×
- 2025-10-03 01:28:51 ×

```
13      }
14      n=(n*(n+1))/2;
15      faltante=n-sum;
16      cout<<endl;
17
18      cout<<faltante<<endl;
19
20      return 0;
21  }
```

SHARE CODE TO OTHERS

Test details

Test 1

Verdict: ACCEPTED

input
2 2

correct output
1

user output
1

Test 2

Verdict: ACCEPTED

input
5 5 2 1 3

correct output
4

user output
4

Test 3

Verdict: ACCEPTED

input
10 2 8 10 6 5 1 3 7 4

correct output
9

user output
9

Test 4

Verdict: ACCEPTED

input
100 27 4 16 47 24 38 61 94 98 79 2...

correct output
71

user output
71

Test 5

Verdict: ACCEPTED

input
1000 180 317 772 646 705 887 914 21...

correct output
462

user output
462

Test 6

Verdict: ACCEPTED

input
5000 1082 1374 1607 1868 3083 4377 ...

correct output
1985

user output
1985

Test 7

Verdict: ACCEPTED

input
10000 4864 1025 2485 3125 7378 6735 ...

correct output
8954

user output
8954

Test 8

Verdict: ACCEPTED

input
50000 25452 36669 37790 34732 14514 ...

correct output
7626

user output

```
7626
```

Test 9

Verdict: ACCEPTED

input

```
100000
53895 48538 61342 72966 60265 ...
```

correct output

```
6727
```

user output

```
6727
```

Test 10

Verdict: ACCEPTED

input

```
200000
36220 101447 198387 127441 182...
```

correct output

```
180468
```

user output

```
180468
```

Test 11

Verdict: ACCEPTED

input

```
200000
199996 199997 149999 117797 19...
```

correct output

200000

user output

200000

Test 12

Verdict: ACCEPTED

input

199999
197381 136472 160228 128766 19...

correct output

22690

user output

22690

Test 13

Verdict: ACCEPTED

input

2
1

correct output

2

user output

2

Test 14

Verdict: ACCEPTED

input

```
6
2 3 1 5 6
```

correct output

```
4
```

user output

```
4
```