



CSES Problem Set

Distinct Numbers

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Submission details

Task:	Distinct Numbers
Sender:	josueMamani
Submission time:	2025-10-08 02:57:59 +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	0.04 s	»
#5	ACCEPTED	0.09 s	»
#6	ACCEPTED	0.11 s	»
#7	ACCEPTED	0.10 s	»
#8	ACCEPTED	0.10 s	»
#9	ACCEPTED	0.00 s	»
#10	ACCEPTED	0.10 s	»
#11	ACCEPTED	0.08 s	»
#12	ACCEPTED	0.06 s	»
#13	ACCEPTED	0.03 s	»
#14	ACCEPTED	0.03 s	»
#15	ACCEPTED	0.10 s	»

Compiler report ▲

input/code.cpp: In function 'int main()':
input/code.cpp:29:19: warning: 'sum' may be used
uninitialized in this function [-Wmaybe-
uninitialized]

```

29 |         cout<<sum-1;
    |         ^

```

Code ▲

```

1 #include<iostream>
2 #include<vector>

```

Sorting and Searching

Distinct Numbers	<input checked="" type="checkbox"/>
Apartments	<input checked="" type="checkbox"/>
Ferris Wheel	<input type="checkbox"/>
Concert Tickets	<input type="checkbox"/>
Restaurant Customers	<input type="checkbox"/>
Movie Festival	<input type="checkbox"/>
Sum of Two Values	<input checked="" type="checkbox"/>
Maximum Subarray Sum	<input type="checkbox"/>

...

Your submissions

2025-10-08 02:57:59	<input checked="" type="checkbox"/>
2025-10-08 02:57:13	<input checked="" type="checkbox"/>



```
3 #include<algorithm>
4 using namespace std;
5
6 int main(){
7     int numero, sum;
8
9     cin>> numero;
10    //definimos al vector
11    vector <int> vec;
12
13    //agregamos datos
14    for(int i=0; i<numero;i++){
15        int valor;
16        cin>>valor;
17        vec.push_back(valor);
18    }
19
20    //ordenamos los elementos del vector
21    sort(vec.begin(), vec.end());
22
23    for(int j=0; j<numero; j++){
24        if(vec[j]!=vec[j+1]){
25            sum=sum+1;
26        }
27    }
28
29    cout<<sum-1;
30
31
32    return 0;
33 }
```



[SHARE CODE TO OTHERS](#)



Test details ▲

Test 1

Verdict: ACCEPTED



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

correct output	
1	 



user output	
1	 

Test 2

Verdict: ACCEPTED



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

correct output	
10	 



user output	
10	 

Test 3

Verdict: ACCEPTED



input	
10	 
5 9 5 5 10 9 3 1 8 8	

correct output	
6	 



user output	
6	 

Test 4

Verdict: ACCEPTED

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

correct output	
1	 

user output	
1	 

Test 5

Verdict: ACCEPTED

input	
-------	--

200000
150502 195680 66111 105526 183...



correct output

200000



user output

200000



Test 6

Verdict: ACCEPTED

input

200000
265840313 559159566 749760055 ...



correct output

199973



user output

199973



Test 7

Verdict: ACCEPTED

input

200000
1 107898 215795 323692 431589 ...



correct output

200000



user output

200000



Test 8

Verdict: ACCEPTED

input

200000
1 300001 600001 900001 1200001...



correct output

200000

**user output**

200000

**Test 9**

Verdict: ACCEPTED

input

4

1 2 8 9

**correct output**

4

**user output**

4

**Test 10**

Verdict: ACCEPTED

input

200000

199999999 107898 215795 323969...

**correct output**

200000

**user output**

200000

**Test 11**

Verdict: ACCEPTED

input

199999

199996 199997 149999 117797 19...

**correct output**

199999

**user output**

199999

**Test 12**

Verdict: ACCEPTED

input

107896

107897 215794 323691 431588 53...

**correct output**

107896

**user output**

107896

**Test 13**

Verdict: ACCEPTED

input

100000

65537 6 31 156 781 3906 19531 ...

**correct output**

32770

**user output**

32770

**Test 14**

Verdict: ACCEPTED

input

100000

65537 2 3 4 5 6 7 8 9 10 6 7 8...

**correct output**

19012



user output

19012

**Test 15**

Verdict: ACCEPTED

input

200000

1 172934 345867 518800 691733 ...

**correct output**

200000

**user output**

200000

