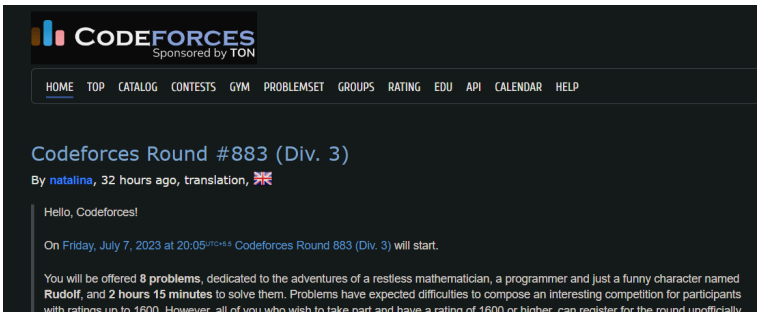
Guide to the CodeForces Platform

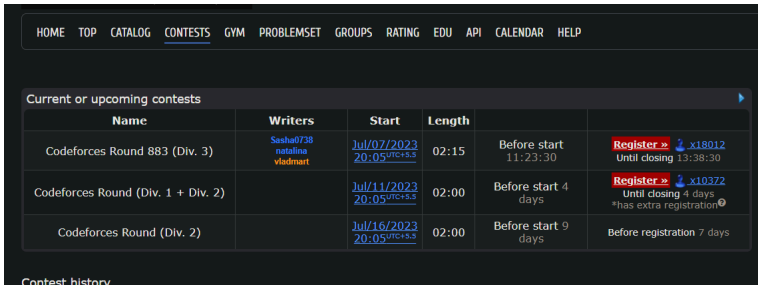
The Home:

Here you will find all the latest contests and related information in blogs.
A detailed description of the contest's problem levels and rating distribution is given in these blogs.



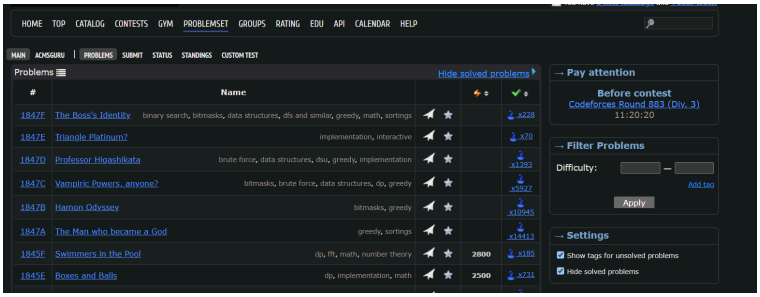
Contests:

Here you will find the list of all the upcoming contests and their Divisions. The contests generally are divided into divisions based on their levels. Div 4 being the easiest and Div 1 being the toughest.
You need to register yourself using the Register button there.



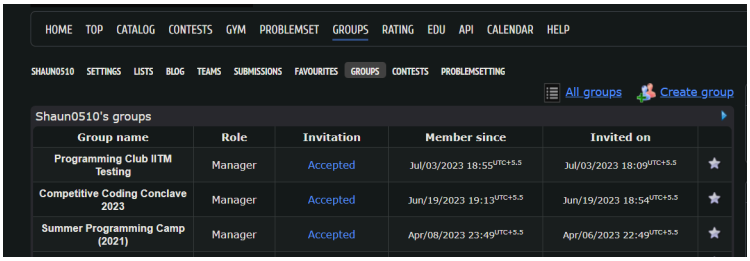
ProblemSet:

Here you can browse problems to solve from the CF database of problems. You can search for problems from specific topics from the “search by tag” option and choose problems from selected ratings. Problems are rated from 800 - 3400, 800 being the easiest.

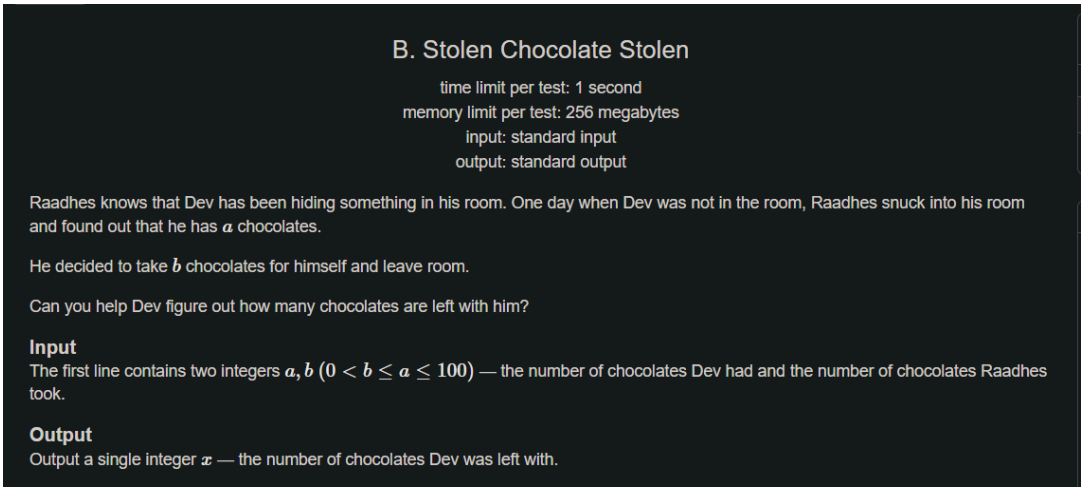


Groups:

You can join various CF groups. Problem sets, and contests are going on in various groups on CF. You can solve them by being part of those groups.



Solving a problem on CodeForces



B. Stolen Chocolate Stolen

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Raadhes knows that Dev has been hiding something in his room. One day when Dev was not in the room, Raadhes snuck into his room and found out that he has a chocolates.

He decided to take b chocolates for himself and leave room.

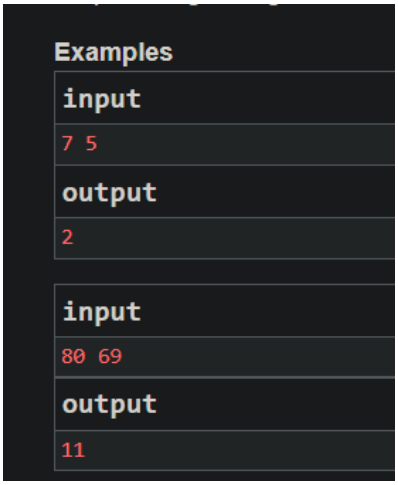
Can you help Dev figure out how many chocolates are left with him?

Input
The first line contains two integers a, b $(0 < b \leq a \leq 100)$ — the number of chocolates Dev had and the number of chocolates Raadhes took.

Output
Output a single integer x — the number of chocolates Dev was left with.

The things to note down in any problem are:

1. The statement. Here the statement of the problem says we will have two variables, a and b, and then we need to find a - b.
2. The input format. Here the input format says we get two integers, a and b, as input.
3. The output format. Here the output format says we "just" need to output one single integer.



Examples

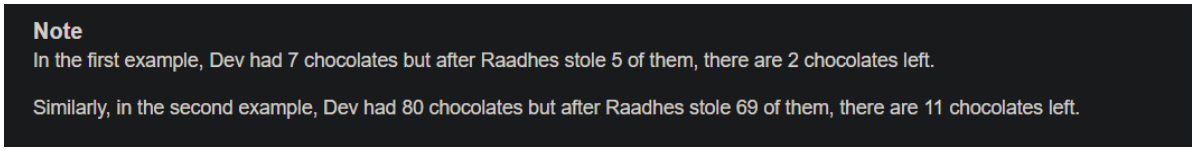
input
7 5
output
2
input
80 69
output
11

Check out the test examples to check your logic and input-output format.

Here a single output is expected for given inputs a, b.

As we can see, we need not print anything else other than output using our code.

Many problems help you understand the logic used in the test examples using a note at the bottom of the problem page. Check it out too!



Note
In the first example, Dev had 7 chocolates but after Raadhes stole 5 of them, there are 2 chocolates left.

Similarly, in the second example, Dev had 80 chocolates but after Raadhes stole 69 of them, there are 11 chocolates left.

Correct Code:

```
int a;
cin >> a;
int b;
cin >> b;
int remain = a - b;
cout << remain;
```

Wrong Code 1: (No need to print statements like these)

```
int a;
cout << "Enter chocolates Dev has" << endl;
cin >> a;
int b;
cout << "Enter chocolates Raadhes has" << endl;
cin >> b;
int remain = a - b;
cout << "Remaining chocolates are" << endl;
cout << remain;
```

What is compile time error?

- Your code has some errors related to the syntax, repetitive declaration and similar bugs. Check it out and resolve the error. In case you are not able to understand the error. Copy the error statement and google it.

My code works perfectly on the example test cases, but not getting accepted.

- Your logic might be failing for a few corner cases in the problem. Check it out once, for example, for the **Watermelon** problem. The logic is that the number should be even, but should not be equal to 2. Check the **Accepted** solution.
- Correct Code:

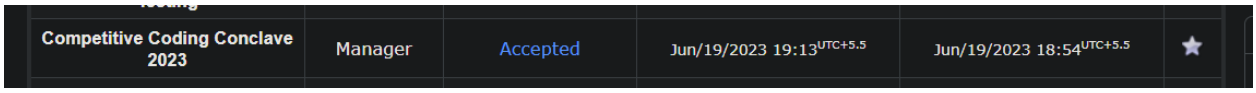
```
int num;
cin >> num;
bool odd = (num % 2 == 1);
bool two = (num == 2);
bool condForNo = odd || two;
if(condForNo) cout << "NO";
else cout << "YES";
```

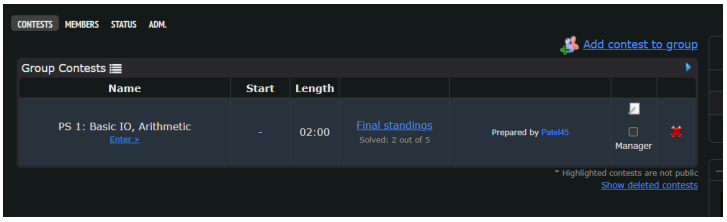
- Wrong Code 1: (Missed the edge case of num equals 2)

```
int num;
cin >> num;
bool odd = (num % 2 == 1);
if(odd) cout << "NO";
else cout << "YES";
```

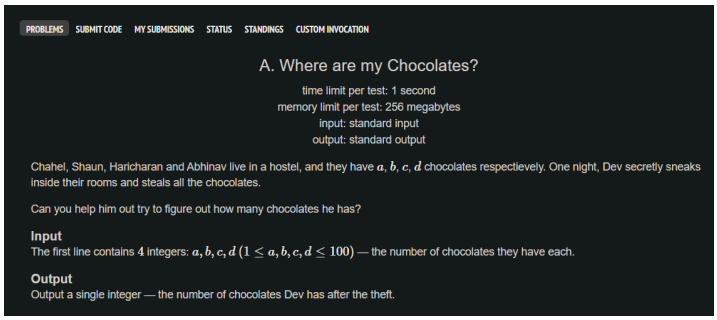
How to solve problems in the group?

Select the group you want to solve problems from.

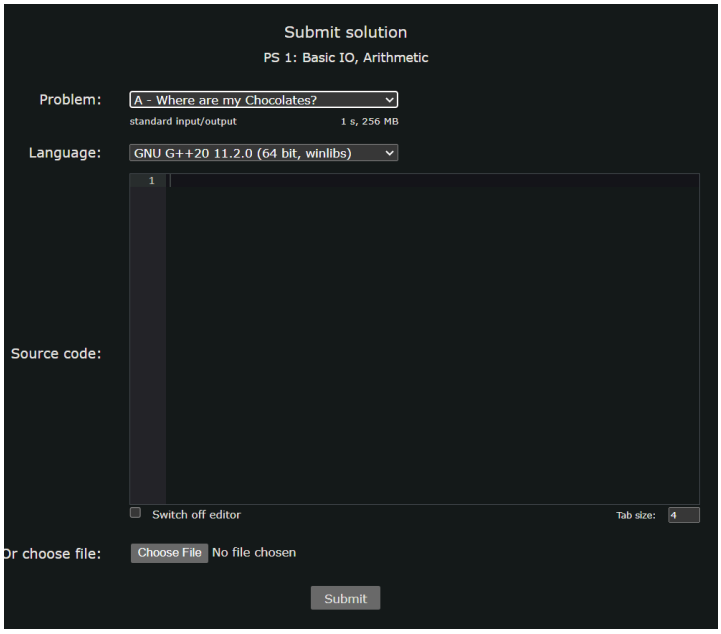




Enter the contest, which has a set of problems for you to attempt.



Read the problem statement, and once you develop the logic, press submit code.



Select the problem you are submitting the solution.

Select the language. (If C++, then select GNU G++20 option)

Paste your code in the source code box, and press the submit button.