Revision.

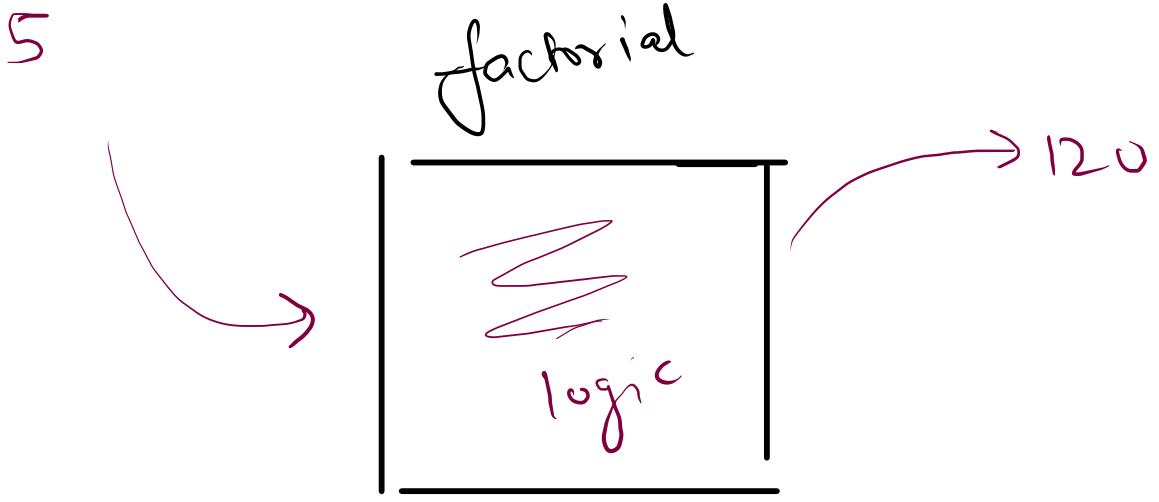
public static int funcName (int a, int b, String c)

{

// logic

return int

}


5
factorial
120
logic

Find sum using a function

Problem | Submissions | Leaderboard | Discussions

The process goes like:

You have to first take input of two numbers **x** and **y** as an integer input.

Then make a function **findSum(int x, int y)**, which takes in these two integers as parameters and prints the final **sum**.

Input Format

T will be given as input represents the number of test cases.

For each test case,

x will be given as input in the first line,

y will be given as input in the second line.

Sample Input 0

```
2
10 20
30 40
```

Sample Output 0

```
30
70
```

Sample Input 1

```
1
25 10
```

Sample Output 1

```
35
```

t = 2 scn.next()

2

7 3

1 5

3

for (3 time → t)

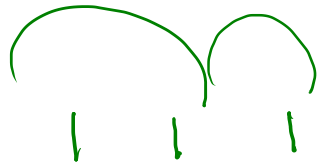
{

x y } i/p

sum –

print(sum)

}



```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();  // number of testcase, : how many pair of x and y

    for(int i = 1; i <= t; i++){
        int x = scn.nextInt();
        int y = scn.nextInt();

        int ans = x + y;
        System.out.println(ans);
    }

```

t=2 ✓

i=1 2

1≤2 ✓

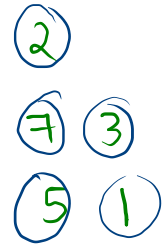
2≤2 ✓

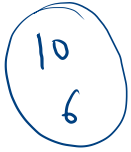
x = 5

y = 1

ans = 6

eg.





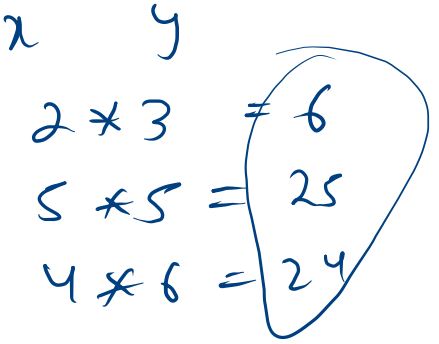
Find product of the two numbers using function.

Sample Input 0

```
3
2 3
5 5
4 6
```

Sample Output 0

```
6
25
24
```

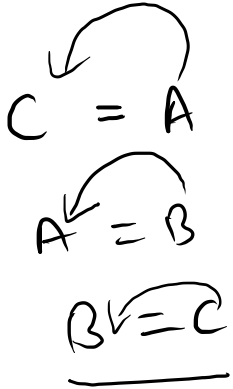


Swap (A, B).

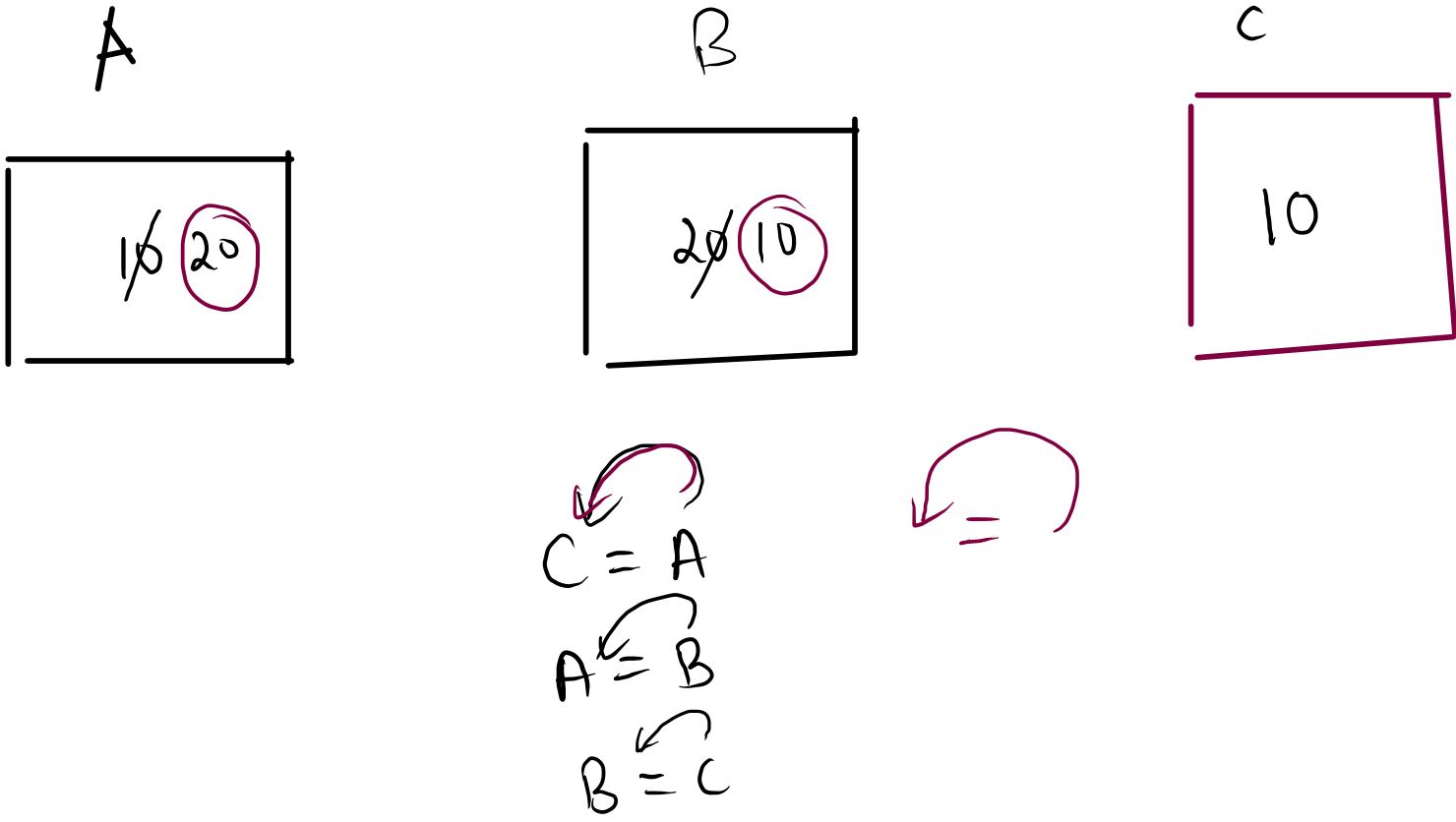
A = 10 20

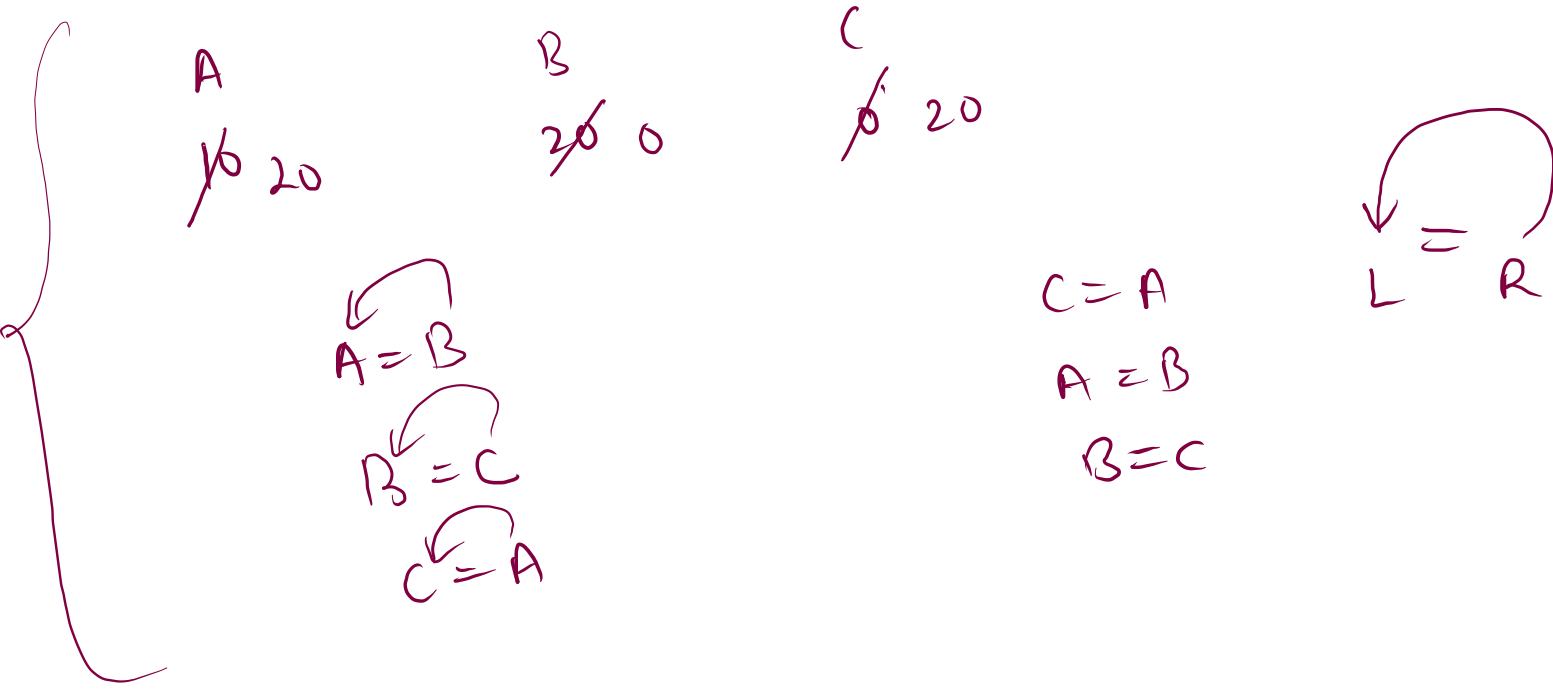
B = 20 10

⇒ A = 20, B = 10



C = 10


A
B
C
10
20
10
10
C = A
A = B
B = C
=


A
10 20
B
30 0
C
0 20
A=B
B=C
C=A
C=A
A=B
B=C
=
L R

Swap x and y

Problem | Submissions | Leaderboard | Discussions

Take two integers **x** and **y** as an integer input.

Then take an integer data-type variable **c**, and with the help of **c** variable swap **x** and **y**.

Process:

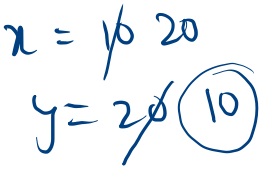
1. First assign value of **x** to **c** and print the string with the help of System.out.println("c = " + c);
2. Then, assign value of **y** to **x** and print the string with the help of System.out.println("x = " + x);
3. Then, assign value of **c** to **y** and print the string with the help of System.out.println("y = " + y);
4. In the next line print the string with the help of System.out.println("x = " + x);
5. In the next line print the string with the help of System.out.println("y = " + y);

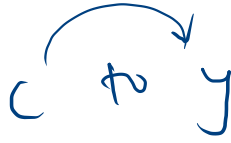
Sample Input 0

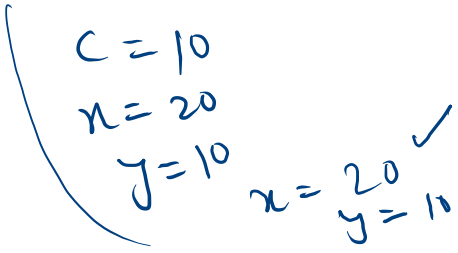
```
10
20
```

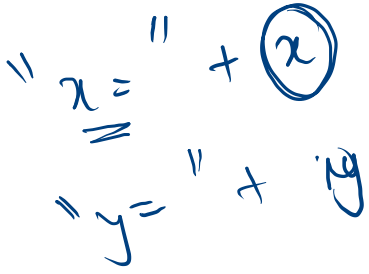
Sample Output 0

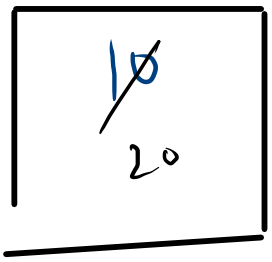
```
c = 10
x = 20
y = 10
x = 20
y = 10
```



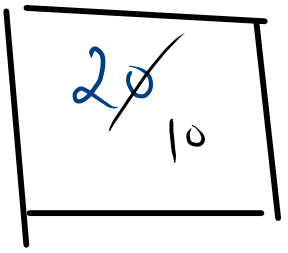




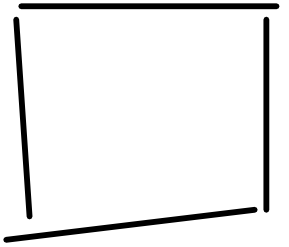




A



B



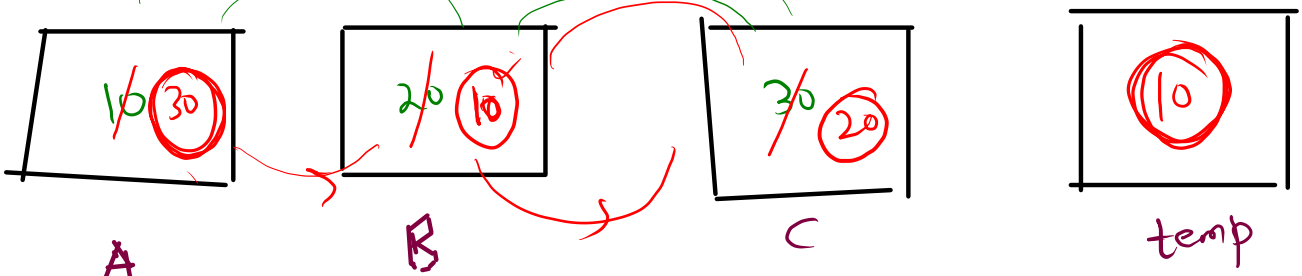
C

C = A

A = B

B = C

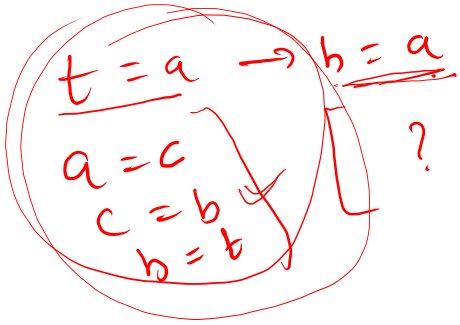
Swap x, y, z

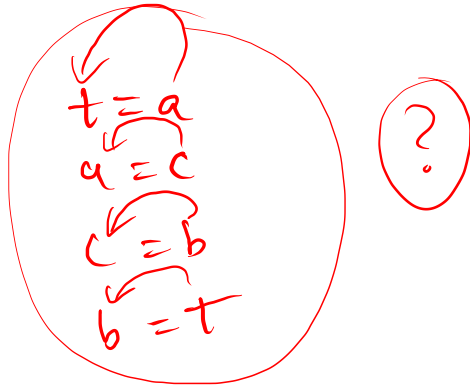


30

10

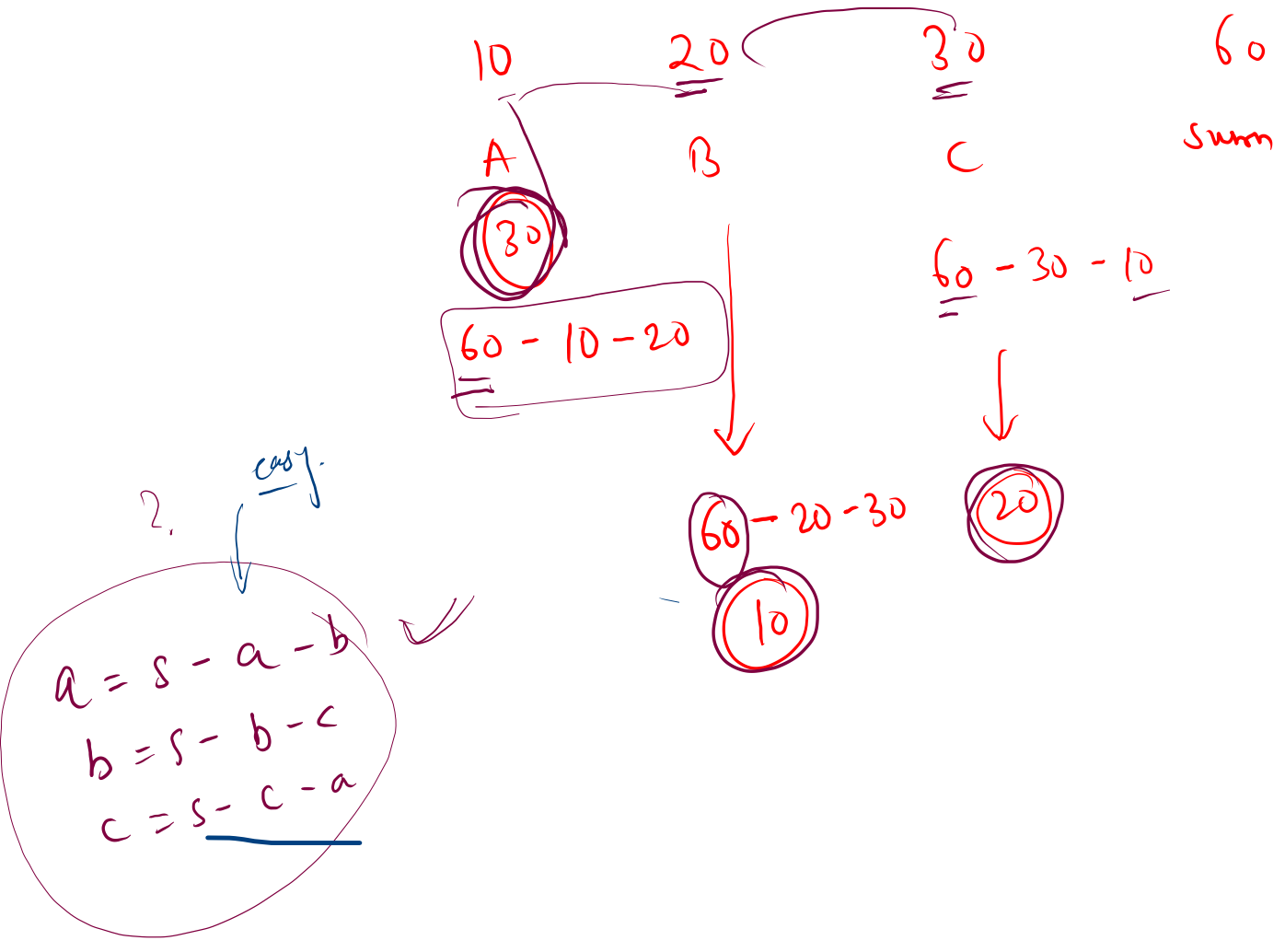
20





```java

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int a = scn.nextInt();
        int b = scn.nextInt();
        int c = scn.nextInt();


        int temp = a;
        a = c;
        c = b;
        b = temp;

        System.out.println(a);
        System.out.println(b);
        System.out.println(c);

    }
}
```

dry run

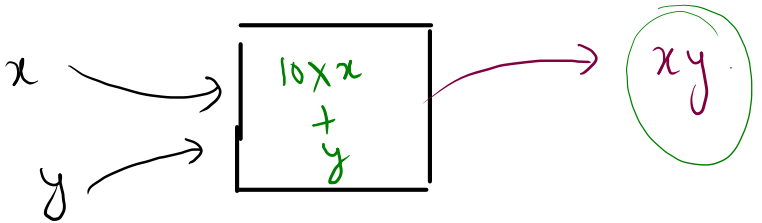

10
20
30
60
sum
A
B
C
30
60 - 10 - 20
60 - 30 - 10
60 - 20 - 30
20
10
2.
easy
a = s - a - b
b = s - b - c
c = s - c - a

int { x = 2, y = 3 } → 23

1. convert Str. '+'

x + y = 5

2.



10 x 2 + 3
20 + 3
= 23

int

(int x, int y)

int

n = 123 → 3 2 1 } print

123 % 10 = 3 → 123 / 10

12

% 10
/ 10

public static void printDigit (int n)

{

}

n → 3 2 1

b

void

25

say(5)

task

35

Given x and y, print xy

Sample Input 0

```
4
4 3
1 2
3 5
5 3
```

Sample Output 0

```
43
12
35
53
```

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static int formNum(int x, int y){
        return x * 10 + y;
    }

    public static void main(String[] args) {
       Scanner scn = new Scanner(System.in);
        int t = scn.nextInt();
        for(int i = 1; i <= t; i++){
            int x = scn.nextInt();
            int y = scn.nextInt();

            int ans = formNum(x, y);
            System.out.println(ans);


        }

    }
}
```

2 3

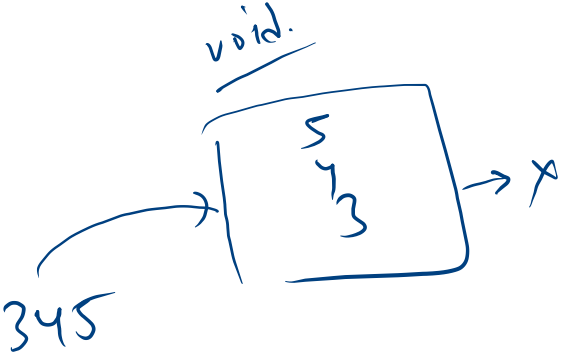
2*10+3

x y

2 3

x*10+y

Print digit by digit of a three digit number




```java
public class Solution {

    public static void printDigits(int n){
        while(n>0){
            System.out.println(n%10);
            n /= 10;
        }
    }

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        printDigits(n);

    }
}
```