

## Bucket Filling

Nejiya has a bucket having a capacity of K liters. It is already filled with X liters of water.

Find the maximum amount of extra water in liters that Nejiya can fill in the bucket without overflowing.

### Input Format

The first line will contain T - the number of test cases. Then the test cases follow.

The first and only line of each test case contains two space separated integers K and X - as mentioned in the problem.

### Output Format

For each test case, output in a single line, the amount of extra water in liters that Nejiya can fill in the bucket without overflowing.

### Sample Input 1

```
2
5 4
15 6
```

### Sample Output 1

```
1
9
```

### C Program

```
#include <stdio.h>

int main(void) {
    int t;
    scanf("%d",&t);
    while(t--)
    {
        int k,x;
        scanf("%d %d",&k,&x);
        printf("%d\n",k-x);
    }
}
```

```
    }  
    return 0;  
}
```

### C++ Program

```
#include <iostream>  
using namespace std;
```

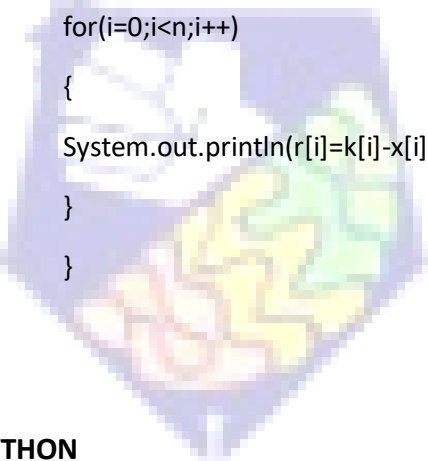
```
int main() {  
    int a;  
    cin>>a;  
    while(a--){  
        int b,c;  
        cin>>b>>c;  
        cout<<b-c<<"\n";  
    }  
    return 0;  
}
```

### JAVA

```
import java.util.*;  
import java.lang.*;  
import java.io.*;  
class Main  
{  
    public static void main (String[] args) throws java.lang.Exception  
    {  
        int n;  
        Scanner sc=new Scanner(System.in);
```

## 100 Days Coding Test Series

```
n=sc.nextInt();
int []k=new int [n];
int []x=new int [n];
int []r=new int [n];
int i;
for(i=0;i<n;i++)
{
    k[i]=sc.nextInt();
    x[i]=sc.nextInt();
    r[i]=k[i]-x[i];
}
for(i=0;i<n;i++)
{
    System.out.println(r[i]=k[i]-x[i]);
}
}
```

The logo for TalentBattle is a shield-shaped emblem. It features a blue background with a white silhouette of a person jumping or running. The shield is decorated with colorful, abstract patterns in yellow, green, and pink. The word 'TalentBattle' is written in a stylized, colorful font across the bottom of the shield.

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### PYTHON

```
r = int(input())
for i in range(r):
    k,y = map(int,input().split())
    ans = int(k-y)
    a = ans + y
    print(ans)
```