

Worksheet -2

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SEC-DWWC 43

UID:20BCS9812

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Que-1: [How many unattempted problems](#)

Code:

```
#include <iostream> #include  
<cstdlib>  
using namespace std;  
  
int main() {  
    int x,y;  
    cin>>x; cin>>y;  
    cout<<x-y<<endl;  
}
```

Output:

Input

10 4

Output

6

Status:  Correct Answer

Submission ID: [84219116](#)

Time:
0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.003541)
1	2	AC (0.003467)
1	3	AC (0.003498)
1	4	AC (0.003533)
1	5	AC (0.003322)
1	6	AC (0.003515)
Subtask Score: 100.00%		Result - AC

Que-2: [Equal Integers](#)

Code:

```
#include <iostream>
```

using namespace std;

```
int main() {  
    int t;    cin>>t;  
    while(t--){        int x,y;  
        cin>>x;        cin>>y;  
        int diff=abs(x-y);  
        if(x<=y){  
            cout<<diff<<endl;  
        }        else{        int  
ans=diff/2 + 2*(diff%2);  
        cout<<ans<<endl;  
        }  
    }  
    return 0;  
}
```

Output:

Input

5
3 4
5 5
7 3
5 2
7 12

Output

1
0
2
3
5

Que-3: [Determine the Winner](#)

Code: #include
<iostream> using
namespace std;

Status: ✓ Correct Answer

Submission ID: [84221278](#)

Time:

0.02s

Sub-Task	Task #	Result (time)
1	0	AC (0.003796)
1	1	AC (0.024132)
Subtask Score: 100.00%		Result - AC

Total Score = 100.00%

```
int main() {
    int t;    cin>>t;
    while(t--){
        int
        pa,pb,qa,qb;    cin>>pa;
        cin>>pb;    cin>>qa;
        cin>>qb;    int
        p=max(pa,pb);    int
        q=max(qa,qb);    if(p<q){
        cout<<"P"<<endl;
        }    else if(p>q){
        cout<<"Q"<<endl;    }
        else{
        cout<<"TIE"<<endl;
        }
    }
}
```

```
    return 0;  
}
```

Output:

Input

```
4  
5 10 2 12  
10 30 15 15  
20 8 4 20  
6 6 6 6
```

Output

```
P  
Q  
TIE  
TIE
```

Que-4: [Chef and Brain Speed](#)

Code:

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

int main() {    int x,y;
cin>>x;  cin>>y;
if(x<y){
cout<<"YES"<<endl;
```

Status:  Correct AnswerSubmission ID: [84221790](#)**Time:**
0.01s

Sub-Task	Task #	Result (time)
1	1	AC (0.004289)
1	2	AC (0.006219)
1	3	AC (0.006369)
1	4	AC (0.006333)
Subtask Score: 100.00%		Result - AC

Total Score = 100.00%

```
    }  
    else{  
cout<<"NO"<<endl;  
    }  
    return 0;  
}
```

Output:



Status: ✓ Correct Answer

Submission ID: [84222154](#)

Time:

0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.003907)
1	2	AC (0.003914)
1	5	AC (0.003885)
1	6	AC (0.003953)
1	7	AC (0.003871)
1	9	AC (0.003946)

Subtask Score: 100.00%

Result - AC

Que-5: [Volume Control](#)

Code:

```
#include <iostream> #include  
<cstdlib> using namespace  
std;  
int main() {  
    int t;    cin>>t;  
    while(t--){    int x,y;  
    cin>>x;    cin>>y;  
    int ans=abs(x-y);  
    cout<<ans<<endl;  
    }  
}
```



Output:

Status: Correct Answer

Submission ID: [84217254](#)

Time:

0.00s

Sub-Task	Task #	Result (time)
1	0	AC (0.003296)
1	1	AC (0.003702)
1	2	AC (0.003491)
1	3	AC (0.003696)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

Input

2

50 54

12 10

Output

4

2