



Worksheet -2

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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;
}</pre>
```









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;</pre>
     } else{
                        int
ans=diff/2 + 2*(diff%2);
cout<<ans<<endl;
     }
  }
     return 0;
}
```





Input	
5	
34	
5 5	
73	
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
      Result (time)

      1
      0
      AC (0.003796)

      1
      1
      AC (0.024132)

      Subtask Score: 100.00%
      Result - AC
```

```
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;
```

```
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;

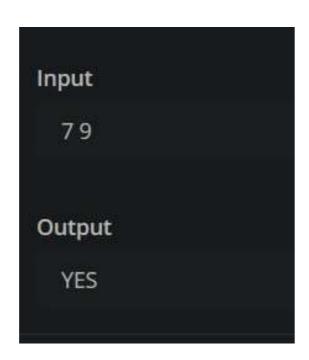
int main() {    int x,y;
cin>>x; cin>>y;
if(x<y){
cout<<"YES"<<endl;</pre>
```

Status: ✓ Correct Answer		Submission ID: <u>84221790</u>
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;
}</pre>
```







Status: Correct Answer		Submission ID: 84222154
Time: 0.00s		
Sub-Task	Task #	Result (time)
ï	Ÿ.	AC (0.003907)
1	2	AC (0.003914)
er e	5	AC (0.003885)
1.	6	AC (0.003953)
1	7.	AC (0.003871)
Ť	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;
    }
}</pre>
```





ne:		
Os		
Sub-Task	Task#	Result (time)
-1	0	AC (0.003296)
14	1	AC (0,003702)
4	2	AC (0.003491)
+	3.	AC (0.003696)
Subtask Score: 100.00%		Result - AC





