WORKSHEET_2

Que-1: How many unattempted problems

Code:

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

int main() {
    int x,y;
 cin>>x;   cin>>y;
     cout<<x-y<<endl;
}
```

Output:

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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:

```cpp
#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;

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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:

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

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

Status: ✓ Correct Answer	Submission 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%

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

Output:

Input

7 9

Output

YES
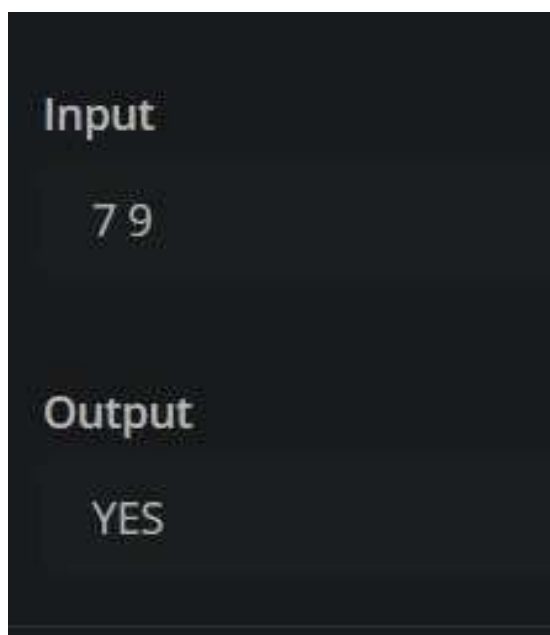
Status: ✓ Correct Answer		Submission ID: 84222154
Time: 0.00s		
Sub-Task	Task #	Result (time)
1	1	AC (0.003907)
1	2	AC (0.003914)
1	5	AC (0.003885)
1	6	AC (0.003953)
1	7	AC (0.003871)
1	9	AC (0.003946)
Subtask Score: 100.00%		Result - AC

Que-5: Volume Control

Code:

```cpp
#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;
    }
}
```

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Output:

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```
Input

  2
  50 54
  12 10


Output

  4
  2
```