Sorting Problem

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Problem Definition (1)

- Source: Codeforces (Kotlin Heroes Contest)

- Title: Sorting Problem

- Difficulty: Easy

- Usage: -

Problem Definition (2)

time limit per test: 1 second

memory limit per test: 256 megabytes

You are given two integers x and y.

Output two integers: the minimum of x and y, followed by the maximum of x and y.

Input

The first line contains a single integer t $(1 \le t \le 100)$ — the number of test cases.

The only line of each test case contains two space-separated integers x and y $(0 \le x, y \le 9)$.

Output

For each test case, output two integers: the minimum of x and y, followed by the maximum of x and y.

Problem Definition (3)

Example

input	Copy
10	
1 9	
8 4	
1 4	
3 4	
2 0	
2 4	
6 9	
3 3	
0 0	
9 9	

output	Copy
1 9	
4 8	
1 4	
3 4	
0 2	
2 4	
6 9	
3 3	
0 0	
9 9	

Solution (1)

- How you solved the problem

Taking tests for **"t"** times, I started with looping.

I used **list()** to sort values. Firstly I got an empty List[] to store sorted values. Values are getting with **map(key, value) (key = int, value=input())**

By using Python's **max() & min() math function** I sorted all input values to the empty **list(results = []).** Lastly, I used the **for** parameter again, to showing the my results one line on input.

Solution (2)

```python
A_Contest-KotlinHeroes.py > ...
1    t = int(input()) # to take tests t times from input
2
3    results = [] # this empty list is for storing results and showing input at the end
4
5
6    for _ in range(t):    # for t times looping to get result
7        x, y = map(int, input().split()) # getting values from console
8
9        results.append((min(x, y), max(x, y))) #adding our values(finding max&min with python's
10
11   for result in results: #looping for result item inside of results
12
13       print(result[0], result[1]) #showing sorted input values by selecting list[index]
```

What you have learned

- How to **sorting** List[] parameters by using two pointers

Questions and Answers

Greetings