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PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

A. Yet Another Two Integers Problem

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You are given two integers a and b.

In one move, you can choose some **integer** k from 1 to 10 and add it to a or subtract it from a. In other words, you choose an integer $k \in [1;10]$ and perform a:=a+k or a:=a-k. You may use **different** values of k in different moves.

Your task is to find the **minimum** number of moves required to obtain b from a.

You have to answer t independent test cases.

Input

The first line of the input contains one integer t ($1 \le t \le 2 \cdot 10^4$) — the number of test cases. Then t test cases follow.

The only line of the test case contains two integers a and b ($1 \le a, b \le 10^9$).

Output

For each test case, print the answer: the minimum number of moves required to obtain b from a.

Example



Note

In the first test case of the example, you don't need to do anything.

In the second test case of the example, the following sequence of moves can be applied: $13 \to 23 \to 32 \to 42$ (add 10, add 9, add 10).

In the third test case of the example, the following sequence of moves can be applied: $18 \to 10 \to 4$ (subtract 8, subtract 6).

Codeforces Round 667 (Div. 3)

Finished





→ Virtual participation

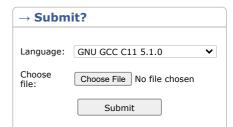
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Start virtual contest

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest





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- Announcement
- Tutorial

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