

Magic: The Gathering (MTG) is a famous card game. The MTG has several classes of cards, including creature, artifact, enchantment, instant, ... etc. When dealing with combat of creature cards, we need to calculate the difference between attacker's power and defender's life. Your goal is to write a program to help such calculation.

Input

The input has several cases and ends with EOF. Each case contains two integers, which denote the attacker's power and defender's life, or vice versa.

Output

For each case, output the difference mentioned above. Each output should be in separate line.

Sample Input

1 3
2 6
100 250

Sample Output

2
4
150