Bibi and the Number

Bibi really likes addition, but she can't count the sum from A to B if the number that will be summed exceeds 2 numbers. Bibi's mother feels sorry seeing her child, she decided to get some help for her child. Bibi's mother then contact you who was a close friend of Bibi and asked to help her add up the numbers from A to B (Inclusive).

Format Input

The first line contains T, the number of test cases.

Each test case consists of one line A which is the first number, and B is the last number.

Format Output

For each test case output "Case #X: Y" where X is the case number, and Y is the sum result.

Constraints

$1 \leq T \leq 1000$
$-10^9 \leq A \leq B \leq 10^9$

Sample Input	Sample Output
2	Case #1: 7
3 4	Case #2: 12
3 5	