

The 25th Annual
ACM International Collegiate
Programming Contest
ASIA Regional - Taejon



Practice Problem A
Compute a Partial Sum
Input: sum.in

Given two integers A and B , write a program which computes the sum of integers between A and B .

Input

The first line of the input file contains an integer T which represents the number of test cases. In the following T lines, T test cases are given one per line. Each test case consists of two integers A and B .

Output

Your program should print T integers, one per line. The i -th integer is the answer that your program has computed for the i -th test case.

Sample Input	Output for the Sample Input
2 4 5 5 2	9 14