10783 Odd Sum

Given a range [a, b], you are to find the summation of all the odd integers in this range. For example, the summation of all the odd integers in the range [3, 9] is 3 + 5 + 7 + 9 = 24.

Input

There can be at multiple test cases. The first line of input gives you the number of test cases, T ($1 \le T \le 100$). Then T test cases follow. Each test case consists of 2 integers a and b ($0 \le a \le b \le 100$) in two separate lines.

Output

For each test case you are to print one line of output – the serial number of the test case followed by the summation of the odd integers in the range [a, b].

Sample Input

2

1

5

3 5

Sample Output

Case 1: 9
Case 2: 8