UVa Online Judge

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 ($1 \leq T \leq 100$). Then T test cases follow. Each test case consists of 2 integers a and b ($0 \leq a \leq b \leq 100$) 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
```