

D: 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 multiple test cases. The first line of input gives you the number of test cases, T ($1 \leq T \leq 100$). Next, T test cases follow. Each test case consists of two integers a and b ($0 \leq a \leq b \leq 100$) on 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
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