

## 1014 – Ifter Party

I have an Ifter party at the 5<sup>th</sup> day of Ramadan for the contestants. For this reason I have invited **C** contestants and arranged **P** piaju's (some kind of food, specially made for Ifter). Each contestant ate **Q** piaju's and **L** piaju's were left ( $L < Q$ ).

Now you have to find the number of piaju's each contestant ate.

### Input

Input starts with an integer **T** ( $\leq 325$ ), denoting the number of test cases.

Each case contains two non-negative integers **P** and **L** ( $0 \leq L < P < 2^{31}$ ).

### Output

For each case, print the case number and the number of possible integers in ascending order. If no such integer is found print 'impossible'.

Sample Input	Output for Sample Input
4	Case 1: 1 2 5 10
10 0	Case 2: 11
13 2	Case 3: 101 202
300 98	Case 4: impossible
1000 997	