

# Problem C

## Colin and Ryan

Time Limit: 2 seconds

Ryan: "As a special bonus, if they order by midnight, what would they receive?  
Colin: They'd receive it earlier than if they'd ordered it later.

*Songs of the Butcher*

Colin and Ryan had a party. They baked **C** cookies and invited **G** guests. Each guest ate **Q** cookies, and **R** cookies were left ( $R < Q$ ).

## Input

The first line of input gives the number of cases, **N**. **N** test cases follow. Each one is a line containing **C** and **R** (at most 2000000000).

## Output

For each test case, output one line containing "Case #x:" followed by **Q** - the number of cookies each guest ate. If there are multiple answers, print them in increasing order, separated by spaces. Do not print trailing spaces. Print a 0 in the case when  $C = R$ .

| Sample Input                            | Sample Output  |
|---|--|
| 4<br>10 0<br>13 2<br>300 98<br>1000 997 | Case #1: 1 2 5 10<br>Case #2: 11<br>Case #3: 101 202<br>Case #4: |

**Problemsetter:** Igor Naverniouk

**Alternate solutions:** Frank Pok Man Chu and Yury Kholondyrev