1163 – Bank Robbery

In one very cold morning, Mark decides to rob a bank. But while trying hacking into the security system, he found that it is locked by some random value. He also found a pattern on the random number, that is if he chops off the last digit of a number **A**, he gets a new number **B**. Then he calculates **(A-B)**. He checked the first few numbers of the security system which exactly equals **(A-B)**. Being very excited to have found the pattern, he learns that there are like 500 levels on the security system. He calculated all those numbers by hand but took a lot of time. As a sign of his accomplishment he left a note on the vault stating the pattern. You were the first officer on the crime scene and you've obtained the note. So if you can figure out **A** from **(A-B)**, you can rob the bank very quick!

By the way, Mark succeeded in robbing the bank but had a heart attack on the getaway car and crashed.

Input

Input starts with an integer **T (≤ 500)**, denoting the number of test cases.

Each line contains a single positive integer between **10** and $\mathbf{10^{18}}$ (inclusive), giving the value of **A-B**.

Output

For each case, print the case number and the possible values of **A** in ascending order. Separate consecutive numbers with a single space.

Sample Input	Output for Sample Input
4 31 18 12 17	Case 1: 34 Case 2: 19 20 Case 3: 13 Case 4: 18