

Number Reconstruction

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Meow is fascinated with numbers. One day, bored at class, he started jotting down numbers on his textbook. With no particular reason, he only writes down numbers with 3 digits or above, denoted as N . He chops off the last digit of the number and then forms a new number, M . Then he performed a mathematical operation: $S = N - M$, and then he tells you S .

Later, you found out that the number N is actually a super magical number that is the solution to life, the universe, and everything. Can you figure the number out?

Input

The first line contains a single integer t ($1 \leq t \leq 1000$) – the number of test cases.

Each test cases contains a single positive integer, S ($100 \leq S \leq 10^{17}$)

Output

For each test case, output a line containing the possible values for N . If there exists multiple possible values, output all in ascending order separated by a single space.

Example

standard input	standard output
3	111
100	555
500	1999 2000
1800	