Problem 1 – Arrange Integers

You are given an array of integer numbers which you need to rearrange by their **name** in the English language. For example, the integers **0, 1, 2, 3, 4, 5, 6, 7, 8, 9** must be ordered as **8, 5, 4, 9, 1, 7, 6, 3, 2, 0.** (eight, five, four, nine, one, seven, six, three, two, zero, i.e. sorted alphabetically)

Integers larger than ten are represented in a simplified way, for example **88** is '**eight-eight**' and **1234** is '**one-two-three-four'.** That means that **88** comes before **85.** If the name of one integer starts with the name of another integer, such as in **11** (**one-one**) and **111** (**one-one-one**), the smaller integer comes first.

There are no negative integers in the input.

Input

- The input is on a single line – the integers to be rearranged, separated by a comma and space.

Output

- On the only output line, print the rearranged integers, in format {**n1, n2, n3 … n**}

Constraints

- The input numbers are positive signed integers
- There are no more than 50 integers in the input
- Allowed time/memory: 100ms/16MB

Input	Output
`0, 1, 2, 3, 4, 5, 6, 7, 8, 9`	`8, 5, 4, 9, 1, 7, 6, 3, 2, 0`

Input	Output
`1111, 1, 111, 11`	`1, 11, 111, 1111`

Input	Output
`17, 32, 45, 88, 44`	`88, 45, 44, 17, 32`