**Problem C. Sum**

It is given a natural number , written as in a decimal numeral system. We can replace arbitrary number (from 0 up to inclusively) of each of its digits with 0 and so we can obtain different numbers. For example, if  ***is equal to*** 12345, we can obtain the numbers 12045, 10305, 02340, 00340 and many others. As it is seen, they can contain leading zeros. Write a program called **Sum** which works as follows: for given natural number , the program has to compute the sum of all different numbers, obtained by the mentioned replacement of digits with zeros in all possible ways. The program should perform several tests.

**Input.** The input data are obtained by the standard input. Each of its rows contains the natural number – the input data for the serial test example. The last row contains the number 0, used for end of the tests.

**Output.** On the standard output, the programme should write the computed sum. It should be written in a new row for each example.

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| ***Sample input*** | ***Sample output*** |
| 35  504  1357  0 | 70  1008  10856 |