HOMEWORK-4

A supernumber is the addition of the sum of the digits of a number over and over until the number of digits is one.

Sample:

super_num(76547) = 7 + 6 + 5+ 4 + 7 = 29

super_num(29) = 2 + 9 = 11

super_num(11) = 2

The super number of 76547 was found to be 2.

In the program, 2 entries will be taken, one is the number and the other is the number of repetitions. Accordingly, the number will be written as the number of repetitions side by side and the super number will be found.

Sample Input:

958 3

958958958

super_num(958958958) = 9 + 5 + 8 + 9 + 5 + 8 + 9 + 5 + 8 = 66

super_num(66) = 6 + 6 = 12

super_num(12) = 1 + 2 = 3

Sample Output:

3

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» %Run ´supernum.py´
        Enter required numbers :  6462 4
        Result: 9
```

Application of homework:

Python 3.7 will be used in this assignment. It should be done using a recursive function, not using any library.