

Senior Division – Digit Reassembly

PROBLEM: Given a number less than 10^{50} and a length n , starting on the left, form all non-overlapping n -digit numbers. If there are digits remaining on the right, add trailing zeros to ensure that the last number is n digits in length. Print the sum of all of the numbers formed.

For example, given 13256709 3, the 3-digit numbers formed from are 132, 567, and 090. The sum of all the numbers is 789.

INPUT: There will 5 lines of input. Each will contain a positive integer less than 10^{50} and a positive integer n .

OUTPUT: For each line of input, print the sum of all the n -digit numbers formed.

SAMPLE INPUT :

```
13256709 3
3587612098 1
265472 5
3126854901231 4
25768437216701562 7
```

SAMPLE OUTPUT:

1. 789
2. 49
3. 46547
4. 12798
5. 15413544

TEST DATA**TEST INPUT:**

```
1234567891234567 4
12345678 2
123456789 5
123456789 6
123456789123456789123456789 7
```