## CF1073E. Segment Sum

time limit per test 1 second memory limit per test 256 megabytes input standard input output standard output

You are given two integers ll and rr ( $l \le r \le r$ ). Your task is to calculate the sum of numbers from llto rr (including ll and rr) such that each number contains **at most** kk different digits, and print this sum modulo 998244353998244353.

For example, if k=1 k=1 then you have to calculate all numbers from ll to rr such that each number is formed using only one digit. For l=10, r=50 l=10,r=50 the answer is l=12+33+44=110 11+22+33+44=110.

## Input

## **Output**

Print one integer — the sum of numbers from ll to rr such that each number contains at most kkdifferent digits, modulo 998244353998244353.

Examples	
input	Сору
10 50 2	
output	Сору
1230	
input	Сору
1 2345 10	
output	Сору
2750685	
input	Сору
101 154 2	
output	Сору
2189	

## **Note**

For the first example the answer is just the sum of numbers from ll to rr which equals to  $\frac{50\cdot51}{2}-\frac{9\cdot10}{2}=1230$  50·512-9·102=1230. This example also explained in the problem statement but for k=1 k=1.

For the second example the answer is just the sum of numbers from ll to rr which equals to  $\frac{2345\cdot2346}{2}=2750685$  2345·23462=2750685.

For the third example the answer is