## Goodness of Numbers

Kaushik loves to find the amount of goodness in everything. He wants to use a range of numbers in one of his projects. He has certain ranges in mind. He needs you to help him find the goodness of all integers in that range. The goodness of a number is the number multiplied by its length. Eg) goodness of 45 is $45^{*} 2=90$.
(Kaushik already has lame algorithms. So he wants you to find some faster algorithms). Help him find the range that is good.

Since the output can be really large, print output modulo $10^{\wedge} 9+7$
Given two integers a and b , find the sum of goodnesses of all numbers from $\mathrm{a}<=\mathrm{i}<=\mathrm{b}$

## Input

First line consists of $t$, number of test cases.
For each test case, there are two integers a and $b$, denoting the beginning and the ending numbers
$1<=t<=100$
$1<=a, b<=1000000000$

## Output

Output a line for each test case containing the required answer.

## Example

Input:
1
912
Output:
75

Explanation:
$9^{*} 1+10^{*} 2+11^{*} 2+12^{*} 2=75$

