357. Count Numbers with Unique Digits

题目描述:https://leetcode.com/problems/count-numbers-with-unique-digits/

```
给定一个数x,求 0 \le n < 10^x 范围内每位互不相同的整数。例如:
```

```
x = 2
return: 91
because: except for 11, 22, 33, 44, 55, 66, 77, 88, 99
```

解题思路:

假设 a[x] 代表x位整数的互不相同的整数个数 则:

```
a[0] = 1
a[1] = 9
a[2] = 9 * 9
a[3] = 9 * 9 * 8
...
a[k] = 9 * 9 * 8 * ... * (11 - k)
```

代码: