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PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

## C. Minimum Varied Number

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

Find the minimum number with the given sum of digits s such that **all** digits in it are distinct (i.e. all digits are unique).

For example, if s=20, then the answer is 389. This is the minimum number in which all digits are different and the sum of the digits is  $20\ (3+8+9=20)$ .

For the given s print the required number.

#### Input

The first line contains an integer t ( $1 \le t \le 45$ ) — the number of test cases.

Each test case is specified by a line that contains the only integer s ( $1 \le s \le 45$ ).

#### Output

Print t integers — the answers to the given test cases.

#### Example

input	Сору
4	
20	
8	
45	
10	
output	Сору
389	
8	
123456789	
19	

### Codeforces Round #811 (Div. 3)

### **Finished**

# → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

$\rightarrow$	Problem	tags	
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greedy	*800	
		No tag edit acces

# → Contest materials

Announcement

<u>Codeforces</u> (c) Copyright 2010-2022 Mike Mirzayanov The only programming contests Web 2.0 platform Server time: Aug/02/2022 16:31:18<sup>UTC-5</sup> (g1). Desktop version, switch to <u>mobile version</u>. <u>Privacy Policy</u>

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