



HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

## A. Div. 7

time limit per test: 2 seconds memory limit per test: 512 megabytes input: standard input output: standard output

You are given an integer n. You have to change the minimum number of digits in it in such a way that the resulting number does not have any leading zeroes and is divisible by 7.

If there are multiple ways to do it, print any of them. If the given number is already divisible by 7, leave it unchanged.

#### Input

The first line contains one integer t ( $1 \le t \le 990$ ) — the number of test cases.

Then the test cases follow, each test case consists of one line containing one integer n ( 10 < n < 999).

#### Output

For each test case, print one integer without any leading zeroes — the result of your changes (i. e. the integer that is divisible by 7 and can be obtained by changing the minimum possible number of digits in n).

If there are multiple ways to apply changes, print any resulting number. If the given number is already divisible by 7, just print it.

### Example

| input           | Сору |
|-----------------|------|
| 3 42            |      |
| 42<br>23<br>377 |      |
| output          | Сору |
| 42<br>28<br>777 |      |

## Note

In the first test case of the example, 42 is already divisible by 7, so there's no need to change it.

In the second test case of the example, there are multiple answers -28, 21 or 63.

In the third test case of the example, other possible answers are  $357,\,371$  and 378. Note that you **cannot** print 077 or 77.

# Educational Codeforces Round 122 (Rated for Div. 2)

### **Finished**

### Practice



## → Virtual participation

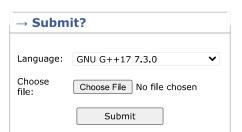
Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a 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

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



| → Problem tags |      |                    |  |  |
|----------------|------|--------------------|--|--|
| brute force    | *800 |                    |  |  |
|                |      | No tag edit access |  |  |

| → Contest materials |    |  |
|---------------------|----|--|
| Announcement        | 36 |  |
| Tutorial            | ×  |  |

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