

## 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  $t$  ( $1 \leq t \leq 990$ ) — the number of test cases.

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

**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	Copy
3 42 23 377	
output	Copy
42 28 777	

**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

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Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

## → Submit?

Language: GNU G++17 7.3.0

 Choose file:  No file chosen



Submit

## → Problem tags

brute force \*800

No tag edit access

## → Contest materials

- Announcement 
- Tutorial 

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