Ciel Numbers I

Problem code: CIELNUM1

All submissions for this problem are available.

Recently, chef Ciel often hears about *lucky numbers*.

Everybody knows that lucky numbers are positive integers
whose decimal representation contains only the lucky digits 4 and 7.
For example, numbers 47, 744, 4 are lucky and 5, 17, 467 are not.

Ciel decides to make *Ciel numbers*.
As you know, Ciel likes the digit 8 very much.
And then, Ciel likes the digits 5 and 3.
So Ciel defines Ciel numbers as the positive integers **k** such that **d**(**k**, 8) ≥ **d**(**k**, 5) ≥ **d**(**k**, 3) and **d**(**k**, **i**) = 0 for all **i** = 0, 1, 2, 4, 6, 7, 9,
where **d**(**k**, **i**) denotes the number of the digit **i** in the decimal representation of the integer **k**.
For example, the first few Ciel numbers are 8, 58, 85, 88, 358, 385, 538, 583, 588, 835, 853, 858, 885, 888, ...

Ciel would like to know about Ciel numbers.
Your task is to find the first 50000 Ciel numbers.

Input

This problem has no inputs.

Output

Print the first 50000 Ciel numbers in order of increasing.

Sample Output

8
58
85
88
... (49996 lines)

Author:	laycurse
Tester:	rajivka
Editorial	http://discuss.codechef.com/problems/CIELNUM1
Tags	cook20 easy laycurse
Date Added:	27-02-2012
Time Limit:	1 sec
Source Limit:	50000 Bytes
Languages:	ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 4.8.1, CPP11, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAR, JAVA, JS, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYTH, PYTH 3.1.2, RUBY, SCALA, SCM guile, SCM qobi, ST, TCL, TEXT, WSPC

Comments

Please login at the top to post a comment.

hellodear *@ 25 Mar 2012 02:20 PM*

nice question :-)

monish001 *@ 9 Nov 2012 02:58 PM*

SUCCESSFUL SUBMISSIONS

User	Time	Mem	Lang	Solution
r3m3dy	0.00	2.6M	C++ 4.3.2	View
cooolshekhar	0.01	1.6M	C	View
aakashns	0.02	1.6M	C	View
harekrishnasir	0.02	1.6M	C	View
courtesy	0.02	1.6M	C	View
quandray	0.02	2.6M	C++ 4.3.2	View
ishan_123	0.03	2.6M	C++ 4.3.2	View
rmagon	0.03	2.6M	C++ 4.3.2	View
shagunakarsh	0.03	2.6M	C++ 4.3.2	View
aditya26	0.03	2.6M	C++ 4.3.2	View
v1a2_3	0.04	2.2M	C	View
anubhawraj	0.04	2.6M	C++ 4.3.2	View

1 of 10 Next »

HELP

Program should read from **standard input** and write to **standard output**. After you submit a solution you can see your results by clicking on the **[My Submissions]** tab on the problem page. Below are the possible results:

- **Accepted** Your program ran successfully and gave a correct answer. If there is a score for the problem, this will be displayed in parenthesis next to the checkmark.
- **Time Limit Exceeded** Your program was compiled successfully, but it didn't stop before time limit. Try optimizing your approach.
- **Wrong Answer** Your program compiled and ran succesfully but the output did not match the expected output.

any editorial like explanation for the solution?

- **Runtime Error** Your code compiled and ran but encountered an error. The most common reasons are using too much memory or dividing by zero. For the specific error codes see the help section.
- **Compilation Error** Your code was unable to compile. When you see this icon, click on it for more information.

If you are still having problems, see a sample solution here.