Completed by:

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Data #4, (**/1-hardComplexityChallenges/telephoneWordsByKestutis.php**)

Telephone Words

Challenge Description:

Given a 7 digit telephone number, print out all the possible sequences of letters that can represent the given telephone number. Note that in a standard 12 key pad, 0 and 1 do not have any letters associated with them. They are to be treated as such, i.e. a 0/1 in the telephone number will be retained in the final word as well. You may use the following mapping between numbers and characters:

```
0 => 0
1 => 1
2 => abc
3 => def
4 => ghi
5 => jkl
6 => mno
7 => pqrs
8 => tuv
9 => wxyz
```

Input sample:

Your program should accept as its first argument a path to a filename.The input file contains 7 digit telephone numbers, one per line.

```
4155230
```

Output sample:

Print out the words that can produce the telephone number, alphabetically sorted and comma delimited. eg.

```
g1jjad0,g1jjae0,g1jjaf0,g1jjbd0,g1jjbe0,g1jjbf0,g1jjcd0,g1jjce0,g1jjcf0,g1jkad0,g1jkae
0,g1jkaf0,g1jkbd0,g1jkbe0,g1jkbf0,g1jkcd0,g1jkce0,g1jkcf0,g1jlad0,g1jlae0,g1jlaf0,g1jl
bd0,g1jlbe0,g1jlbf0,g1jlcd0,g1jlce0,g1jlcf0,g1kjad0,g1kjae0,g1kjaf0,g1kjbd0,g1kjbe0,g1
kjbf0,g1kjcd0,g1kjce0,g1kjcf0,g1kkad0,g1kkae0,g1kkaf0,g1kkbd0,g1kkbe0,g1kkbf0,g1kkcd0,
g1kkce0,g1kkcf0,g1klad0,g1klae0,g1klaf0,g1klbd0,g1klbe0,g1klbf0,g1klcd0,g1klce0,g1klcf
0,g1ljad0,g1ljae0,g1ljaf0,g1ljbd0,g1ljbe0,g1ljbf0,g1ljcd0,g1ljce0,g1ljcf0,g1lkad0,g1lk
ae0,g1lkaf0,g1lkbd0,g1lkbe0,g1lkbf0,g1lkcd0,g1lkce0,g1lkcf0,g1llad0,g1llae0,g1llaf0,g1
llbd0,g1llbe0,g1llbf0,g1llcd0,g1llce0,g1llcf0,h1jjad0,h1jjae0,h1jjaf0,h1jjbd0,h1jjbe0,
h1jjbf0,h1jjcd0,h1jjce0,h1jjcf0,h1jkad0,h1jkae0,h1jkaf0,h1jkbd0,h1jkbe0,h1jkbf0,h1jkcd
0,h1jkce0,h1jkcf0,h1jlad0,h1jlae0,h1jlaf0,h1jlbd0,h1jlbe0,h1jlbf0,h1jlcd0,h1jlce0,h1jl
cf0,h1kjad0,h1kjae0,h1kjaf0,h1kjbd0,h1kjbe0,h1kjbf0,h1kjcd0,h1kjce0,h1kjcf0,h1kkad0,h1
kkae0,h1kkaf0,h1kkbd0,h1kkbe0,h1kkbf0,h1kkcd0,h1kkce0,h1kkcf0,h1klad0,h1klae0,h1klaf0,
h1klbd0,h1klbe0,h1klbf0,h1klcd0,h1klce0,h1klcf0,h1ljad0,h1ljae0,h1ljaf0,h1ljbd0,h1ljbe
0,h1ljbf0,h1ljcd0,h1ljce0,h1ljcf0,h1lkad0,h1lkae0,h1lkaf0,h1lkbd0,h1lkbe0,h1lkbf0,h1lk
cd0,h1lkce0,h1lkcf0,h1llad0,h1llae0,h1llaf0,h1llbd0,h1llbe0,h1llbf0,h1llcd0,h1llce0,h1
llcf0,i1jjad0,i1jjae0,i1jjaf0,i1jjbd0,i1jjbe0,i1jjbf0,i1jjcd0,i1jjce0,i1jjcf0,i1jkad0,
i1jkae0,i1jkaf0,i1jkbd0,i1jkbe0,i1jkbf0,i1jkcd0,i1jkce0,i1jkcf0,i1jlad0,i1jlae0,i1jlaf
0,i1jlbd0,i1jlbe0,i1jlbf0,i1jlcd0,i1jlce0,i1jlcf0,i1kjad0,i1kjae0,i1kjaf0,i1kjbd0,i1kj
be0,i1kjbf0,i1kjcd0,i1kjce0,i1kjcf0,i1kkad0,i1kkae0,i1kkaf0,i1kkbd0,i1kkbe0,i1kkbf0,i1
kkcd0,i1kkce0,i1kkcf0,i1klad0,i1klae0,i1klaf0,i1klbd0,i1klbe0,i1klbf0,i1klcd0,i1klce0,
i1klcf0,i1ljad0,i1ljae0,i1ljaf0,i1ljbd0,i1ljbe0,i1ljbf0,i1ljcd0,i1ljce0,i1ljcf0,i1lkad
0,i1lkae0,i1lkaf0,i1lkbd0,i1lkbe0,i1lkbf0,i1lkcd0,i1lkce0,i1lkcf0,i1llad0,i1llae0,i1ll
af0,i1llbd0,i1llbe0,i1llbf0,i1llcd0,i1llce0,i1llcf0
```

Submit your solution in a file **(some file name).(py2| c| cpp| java| rb| pl| php| tcl| clj| js| scala| cs| m| py3| hs| go| bash| lua)** or use the online editor.