```
foobar:~/please-pass-the-coded-messages cihan.goksu.88$ cat readme.tx
t

Please Pass the Coded Messages
==============================

You need to pass a message to the bunny workers, but to avoid
detection, the code you agreed to use is... obscure, to say the
least. The bunnies are given food on standard-issue plates that are
stamped with the numbers 0-9 for easier sorting, and you need to
combine sets of plates to create the numbers in the code. The signal
that a number is part of the code is that it is divisible by 3. You
can do smaller numbers like 15 and 45 easily, but bigger numbers like
144 and 414 are a little trickier. Write a program to help yourself
quickly create large numbers for use in the code, given a limited
number of plates to work with.

You have L, a list containing some digits (0 to 9). Write a function
solution(L) which finds the largest number that can be made from some
or all of these digits and is divisible by 3. If it is not possible
to make such a number, return 0 as the solution. L will contain
anywhere from 1 to 9 digits.  The same digit may appear multiple
times in the list, but each element in the list may only be used
once.

Languages
=========

To provide a Java solution, edit Solution.java
To provide a Python solution, edit solution.py

Test cases
==========
Your code should pass the following test cases.
Note that it may also be run against hidden test cases not shown
here.

-- Java cases --
Input:
Solution.solution({3, 1, 4, 1})
Output:
    4311

Input:
Solution.solution({3, 1, 4, 1, 5, 9})
Output:
    94311

-- Python cases --
Input:
solution.solution([3, 1, 4, 1])
Output:
    4311

Input:
solution.solution([3, 1, 4, 1, 5, 9])
Output:
    94311

Use verify [file] to test your solution and see how it does. When you
are finished editing your code, use submit [file] to submit your
answer. If your solution passes the test cases, it will be removed
from your home folder.

foobar:~/please-pass-the-coded-messages cihan.goksu.88$ cat constrain
ts.txt

Java
====
Your code will be compiled using standard Java 8. All tests will be
run by calling the solution() method inside the Solution class

Execution time is limited.

Wildcard imports and some specific classes are restricted (e.g.
java.lang.ClassLoader). You will receive an error when you verify
your solution if you have used a blacklisted class.

Third-party libraries, input/output operations, spawning threads or
processes and changes to the execution environment are not allowed.

Your solution must be under 32000 characters in length including new
lines and and other non-printing characters.

Python
======
Your code will run inside a Python 2.7.13 sandbox. All tests will be
run by calling the solution() function.

Standard libraries are supported except for bz2, crypt, fcntl, mmap,
pwd, pyexpat, select, signal, termios, thread, time, unicodedata,
zipimport, zlib.
```

Input/output operations are not allowed.

Your solution must be under 32000 characters in length including new lines and and other non-printing characters.