```
sum = 0
for num in range(1, 8):
   sum+= num
   if sum % 3 != 0:
      print(num)
rem = 2
for val in itertools.permutations(range(1, 8)):
   sum = reduce ( lambda num2, num1 : 10 * num2 + num1, val)
   if sum > rem and primeCheck(sum):
      rem = sum
print(m)
for val in itertools.permutations(range(7, 0, -1)):
   sum = reduce ( lambda num2, num1 : 10 * num2 + num1, val)
   if primeCheck(sum):
      print(sum)
      break
def primeCheck(num):
   if num % 2 == 0 or num % 3 == 0:
      return False
   for n in xrange(5, int(num**0.5) + 1, 6):
      if num % n == 0 or num % (n + 2) == 0:
         return False
   return True
```