```python
import math

num = 0

PrimeList = []


def CircPrime(num):
    if num == 2:
        PrimeList.append(2)
        return True
    elif num < 2:
        return False
    else:
        for i in PrimeList:
            if i > math.sqrt(num):
                break
            elif num % i == 0:
                return False
        PrimeList.append(num)
        return True


def process(n):
    answer = []
    division = n
    while not division in answer:
        answer.append(division)
        division = int(str(division)[1:] + str(division)[0])
    return answer
```

```python
for i in range(2,1000000):

    NumberList = process(i)

    solution = True

    for j in NumberList:

        if not CircPrime(j):

            solution = False

    if solution:

        num += 1


print(num)
```