Submission Detail

ID	#514106
Problem	circularPrime (https://ejudge.it.kmitl.ac.th/problem/2987)
Username	it60070183(นายธีรภัทร ไกรศรีสิริกุล) (https://ejudge.it.kmitl.ac.th/account/1506)
Language	Python
Correctness Score	100 Points
Bonus Score	900 Points
Quality	100% How to improve your code
Summary Score	1000 Points
Time	2017-11-09 22:08:18

Details

Case 1 [#6279] :	Passed	**0.04133400 sec.**
Case 2 [#6280] :	Passed	**0.05401700 sec.**
Case 3 [#6281] :	Passed	**0.07496400 sec.**
Case 4 [#6282] :	Passed	**0.05930600 sec.**
Case 5 [#6283] :	Passed	**0.13296100 sec.**
Case 6 [#6284] :	Passed	**0.09578300 sec.**
Case 7 [#6285] :	Passed	**0.04417700 sec.**
Case 8 [#6286] :	Passed	**0.58329300 sec.**
Case 9 [#6287] :	Passed	**0.09696000 sec.**
Case 10 [#6288] :	Passed	**0.11804300 sec.**

Code

Pointers=false&textReferences=false&showOnlyOutputs=false&py=3&rawInputLstJSON=%5B%5D&curInstr=0)

```python
"""
PSIT - Week 12
Teerapat Kraisrisirikul (60070183)
"""

def main():
    """ Main function """
    num = int(input())
    circular_primes = list()

    for i in range(2, num+1):
        if i in circular_primes:
            continue
        elif check_circular(create_circular(i)):
            circular_primes.append(i)

    print(sum(circular_primes))

def create_circular(num):
    """ Create circular number """
    num = str(num)
    circulars = list()

    for _ in range(len(num)):
        circulars.append(int(num))
        num = num[1::] + num[0]

    return circulars

def check_circular(circulars):
    """ Check all list members of circular number if they're all prime """
    for i in circulars:
        if check_prime(i) == False:
            return False
    return True

def check_prime(num):
    """ Check number if it's prime number """
    is_prime = (num >= 2)
    for i in range(2, int(num**0.5)+1):
        if num % i == 0:
            return False
    return is_prime

main()
```