**7 kyu**

**Circular Primes**

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*Based on*[*Project Euler problem 35*](https://projecteuler.net/problem=35)

A circular prime is a prime in which every circular permutation of that number is also prime. Circular permutations are created by rotating the digits of the number, for example: 197, 971, 719. One-digit primes are circular primes by definition.

Complete the function that dertermines if a number is a circular prime.

There are 100 random tests for numbers up to 10000.

<https://www.codewars.com/kata/circular-primes/python>

# Hello World program in Python

def es\_primo(n):

if(n<2): return False

if(n == 2): return True

if(n%2 ==0): return False

i=3

while(i\*i<=n):

if(n % i==0): return False

i+=2

return True

def circular\_prime(n):

s = str(n)

c = s + s

for i in range(0, len(c) - len(s) + 1):

subs = c[i:i+len(s)]

if(not es\_primo(int(subs))): return False

return True

#print(rotadas("12345"))

print(circular\_prime(179))

'''

def rotadas(s):

c = s + s

res = []

for i in range(0, len(c) - len(s) + 1):

subs = c[i:i+len(s)]

print(subs)

'''