Info: The code should be as fast and concise as possible. The readability of the code is secondary, but comments are desired.

Challenge 4

The number, 197, is called a circular prime because all rotations of the digits: 197, 971, and 719, are themselves prime.

There are thirteen such primes below 100: 2, 3, 5, 7, 11, 13, 17, 31, 37, 71, 73, 79, and 97.

How many circular primes are there below one million?

Code: *R*.