Challenge 1: Cryptanalysis Project

Project Description:

The security of the RSA asymmetric encryption algorithm is based on the fact that prime factorization of a long integer number N is a computationally intractable problem if the number N is the result of multiplying two long prime numbers p and q.

In order to evaluate how long the number N should be, can you develop a python program (crack_RSA.py) for finding the prime factors of the number N specified below?.

99 99 99 99 97 84 00 00 00 00 96 39

The solution will include the specification of the prime numbers p and q as well as the code developed for finding them.

Submit your solution in a **zipped file** to jose.poveda@utrgv.edu and jorge.a.castillo01@utrgv.edu