

CTF Cryptography Challenges

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Problem 1

You've been given some text but the letters seem scrambled! A substitution cipher has been used, can you find the key and decrypt the message?

Only the letters have been encrypted, spaces and punctuation have been left unchanged.

Problem 2

The decryption key is a three-letter word where an XOR operation has been used to encrypt each letter. Can you decrypt the text and find the key?

This time all characters have been encrypted.

This problem is based on challenge 59 on projecteuler.net

Problem 3

We have message encrypted using RSA and the public key. N seems a bit small.

This problem is based on a challenge from DeconstruCtf 2021

Problem 4

They regenerated their RSA key but e seems quite small and the message is short. Can we work around having to factorize N ?

This problem is based on the miniRSA challenge on PicoCTF