

Code Breaker

March 28, 2019

Instructions: Complete the writing assignment on a separate sheet of paper. Be sure to type up your project in Times New Roman font (size 11) with double-spaced lines. Your write-up should be no longer than two pages.

In this project you will decrypt a message given a limited amount of information.

You have intercepted a message which you know has been encrypted using an affine cipher

$$f(p) = (ap + b) \pmod{26}.$$

Given the encrypted message and the value of a , find the original message. Your assignment should also include an explanation (at least one paragraph long) of how you found your solution. Could you have deciphered the message even if you had not been given the value of a ? Explain.

Use the following link to obtain your a value and encrypted message:

<https://trinket.io/python/4b9200d5df>