

Lab 05 Report - Wyatt Duberstein

- 1.) How many times less secure is this (in theory vs in practice)?
(10 points)

2⁵⁵ times slower in practice than in theory since $2^{112} / 2^{57} = 2^{55}$

- 2.) Functional code submitted to canvas
(20 points)

- 3.) What is k1 and k2?
(10 points)

K1 = 319df2f409baee**3c**
K2 = 64abc398ac4fee**a2**

- 4.) What is the secret message?
(10 points)

GeneralGrievousIsHere

- 5.) Encrypt the plaintext 372c using the same key of 6b5d
(30 points)

```
Enter the 4 hex digit plaintext to encrypt: 372c
Ciphertext: e95c
```

The ciphertext is **e95c**

- 6.) Functional code submitted to Canvas.
(20 points)