

The cypher I am creating will be the John Lyons cypher. This will be a variation of the Caesar cypher where we shift each letter by 3. However, we do not shift any letters that appear in the name John Lyons. These letters will be skipped during the shifting phase, and do not count towards the shift.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A B C D E F G **H I J K L M N O** P Q R **S** T U V W X Y Z

D E F G I K M **H P J Q L R N O** T U V **S** W X Z A B Y C

Using this cypher, we can encode the following phrase:

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I - **L O V E** - C R Y P T **O** G R A P H Y

P - **L O Z I** - F V Y T W **O M V D T H Y**

P lozi fvytwomvdthy

Running this back through the cypher, we're able to get the following phrase.

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