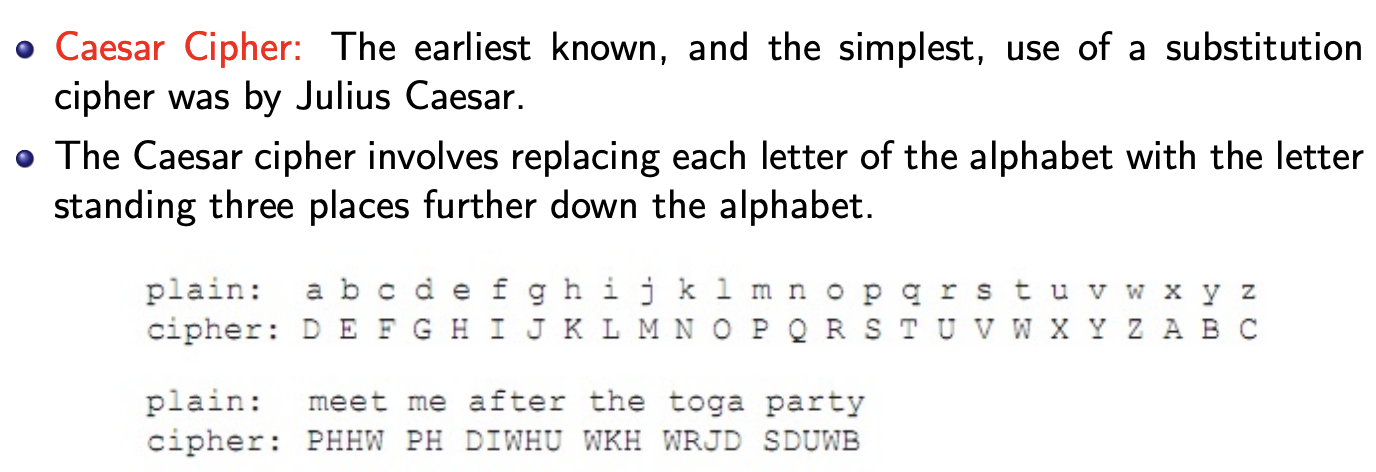
# **Mono-alphabetic Ciphers**

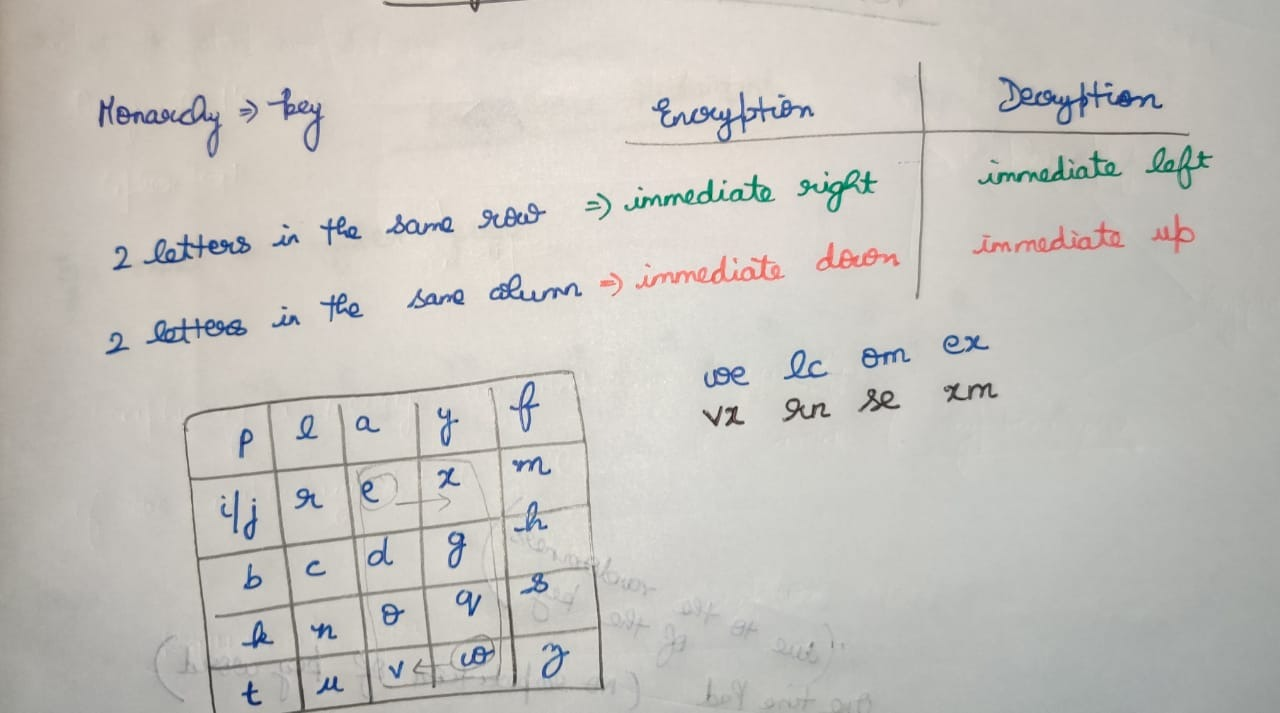
## Caesar Ciphers



Text

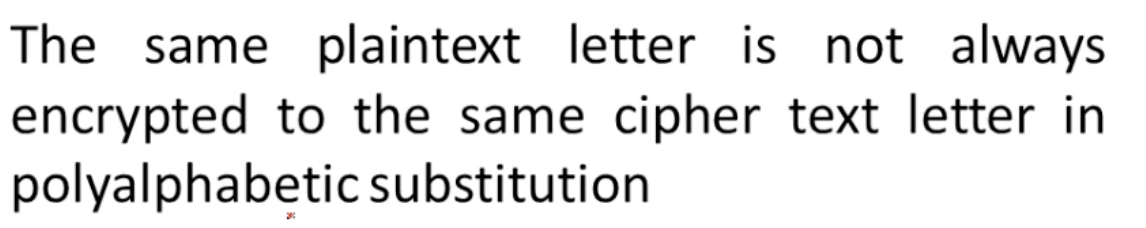
Description automatically generated

# Playfair Ciphers



# **Polyalphabetic Cipher**

## **Vigenere Cipher**



**Using Vigenère 26\*26 table**

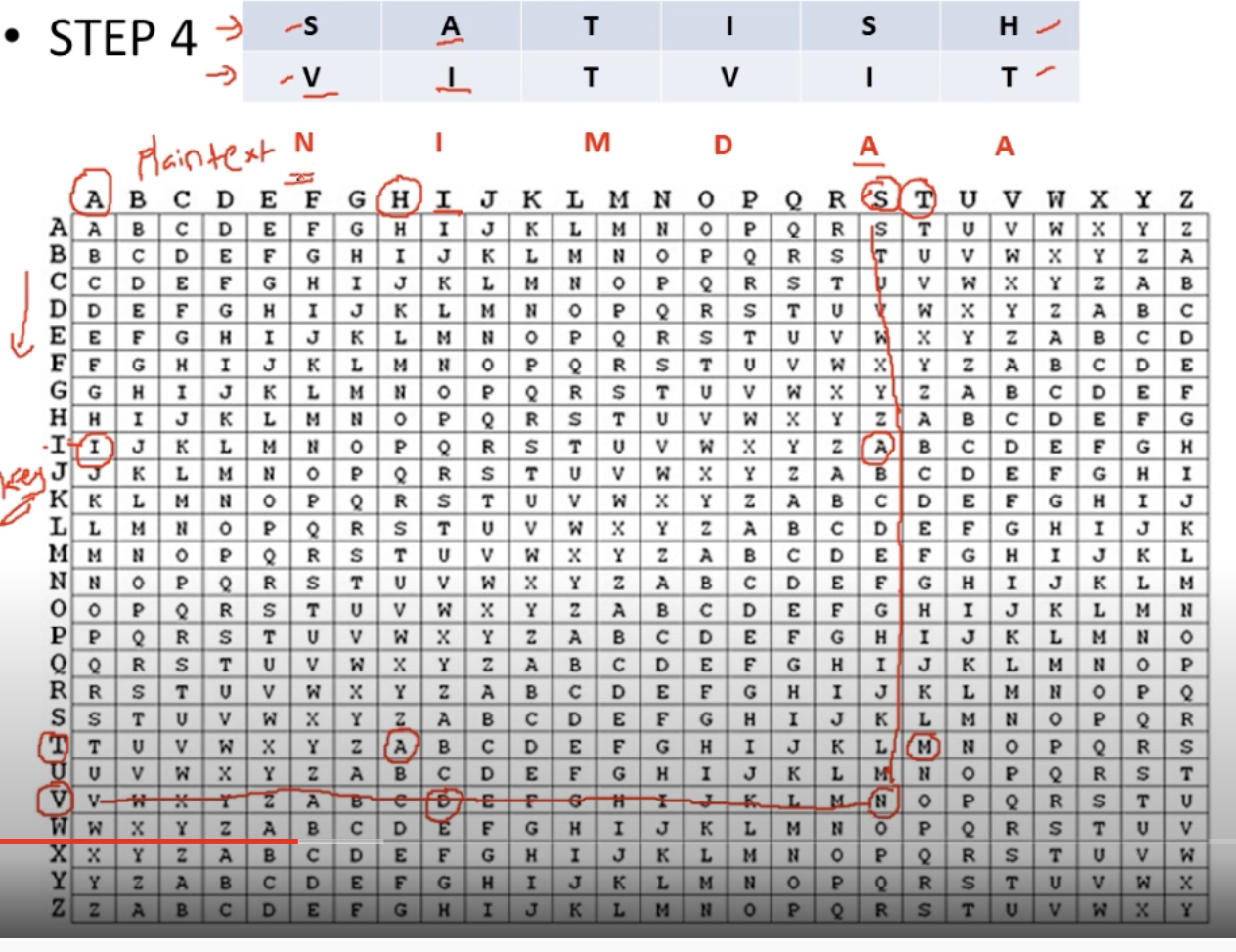
A picture containing text

Description automatically generated

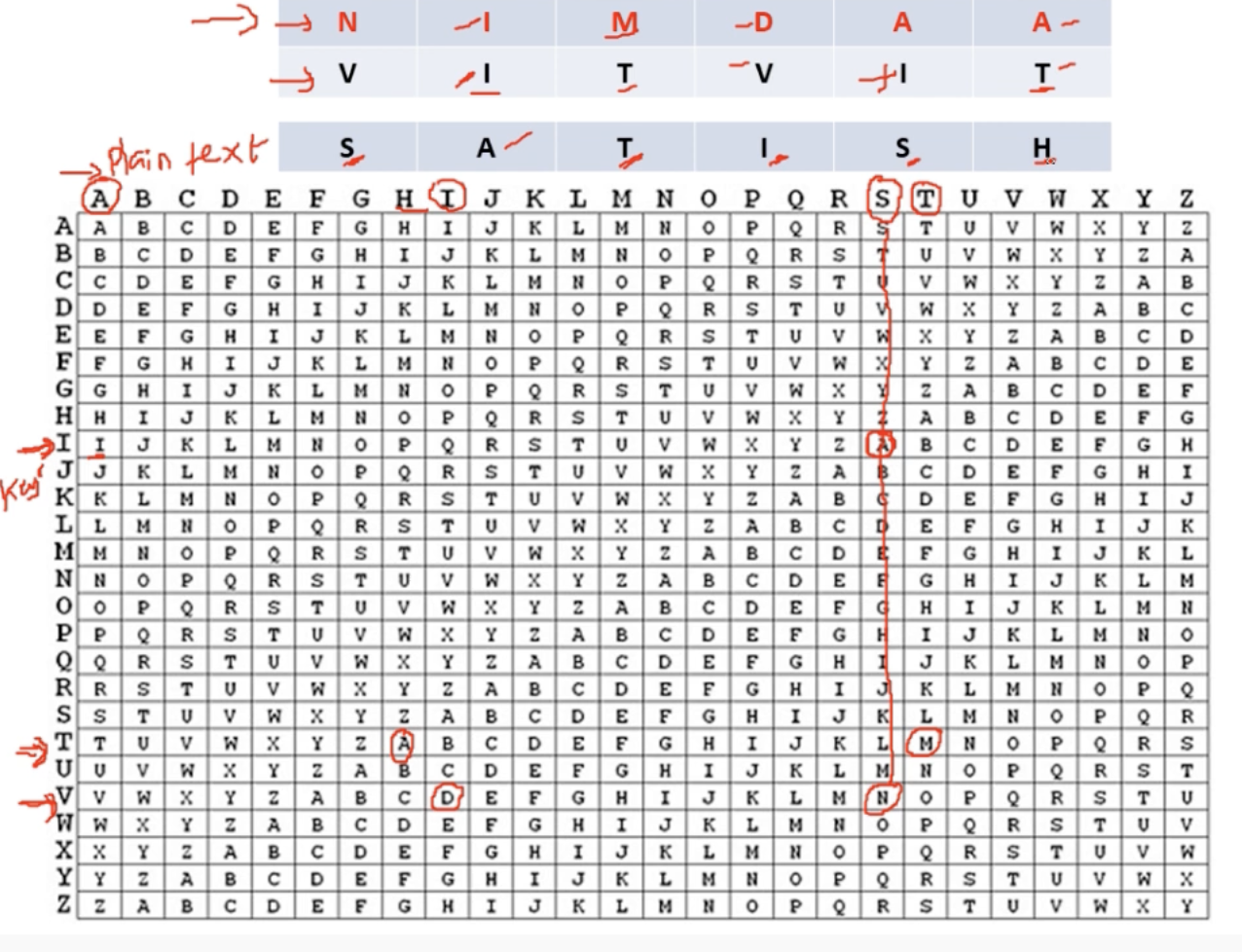
Plain text along row and Key along column

Where the key and plain-text intersect 🡪 Cipher text

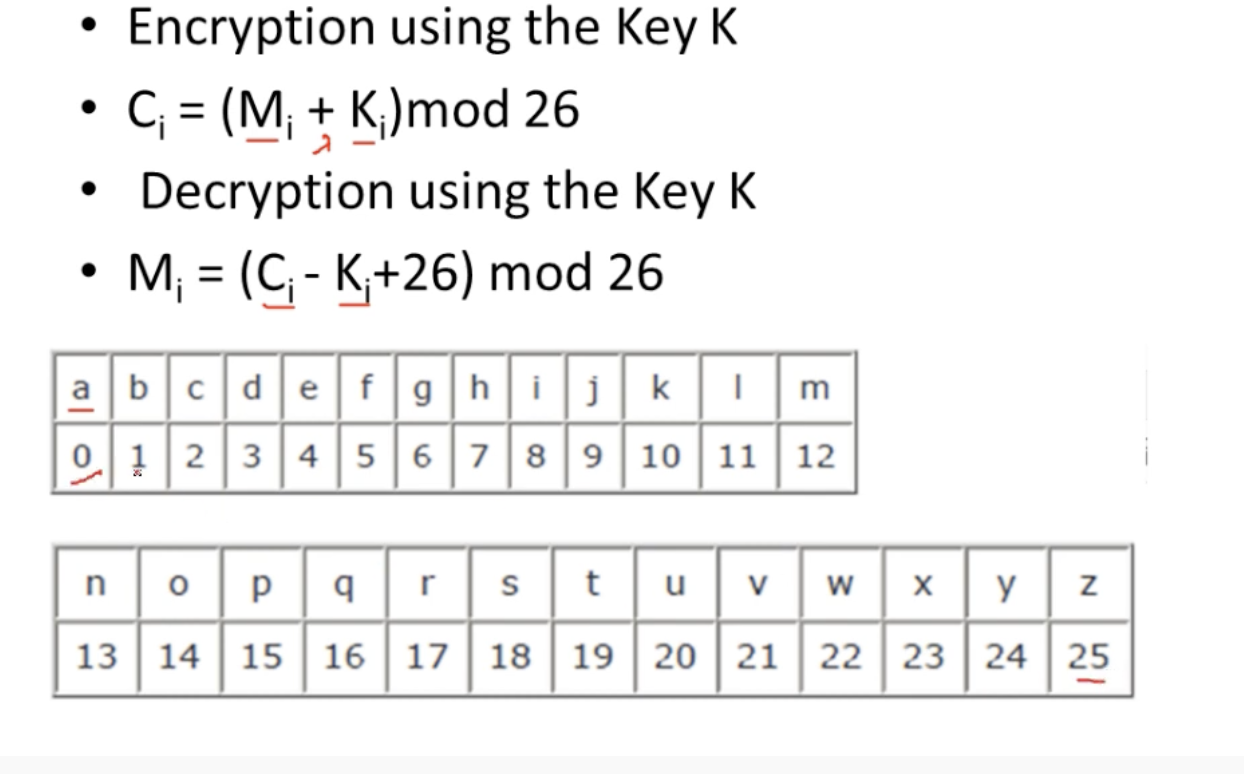
Encryption



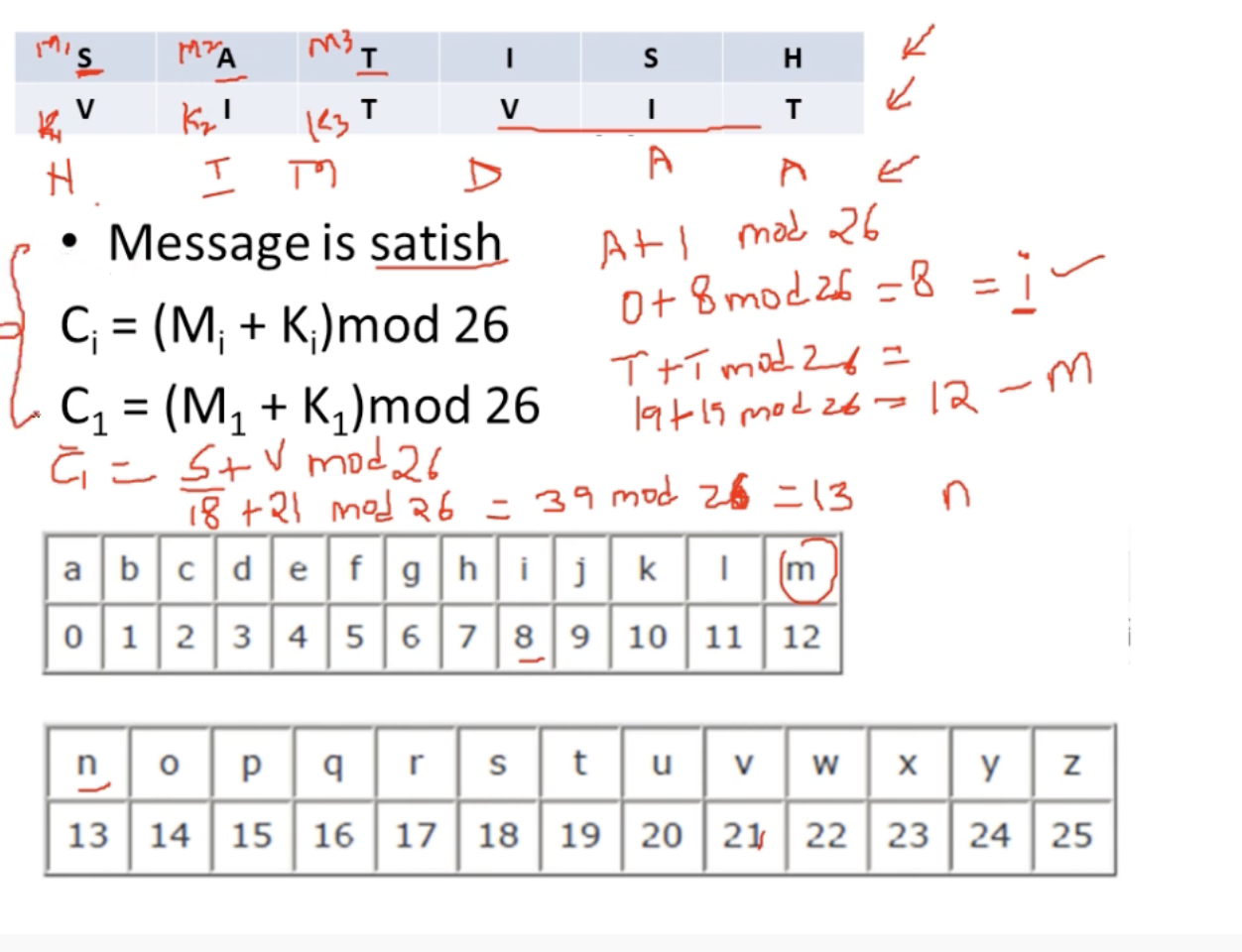
Decryption

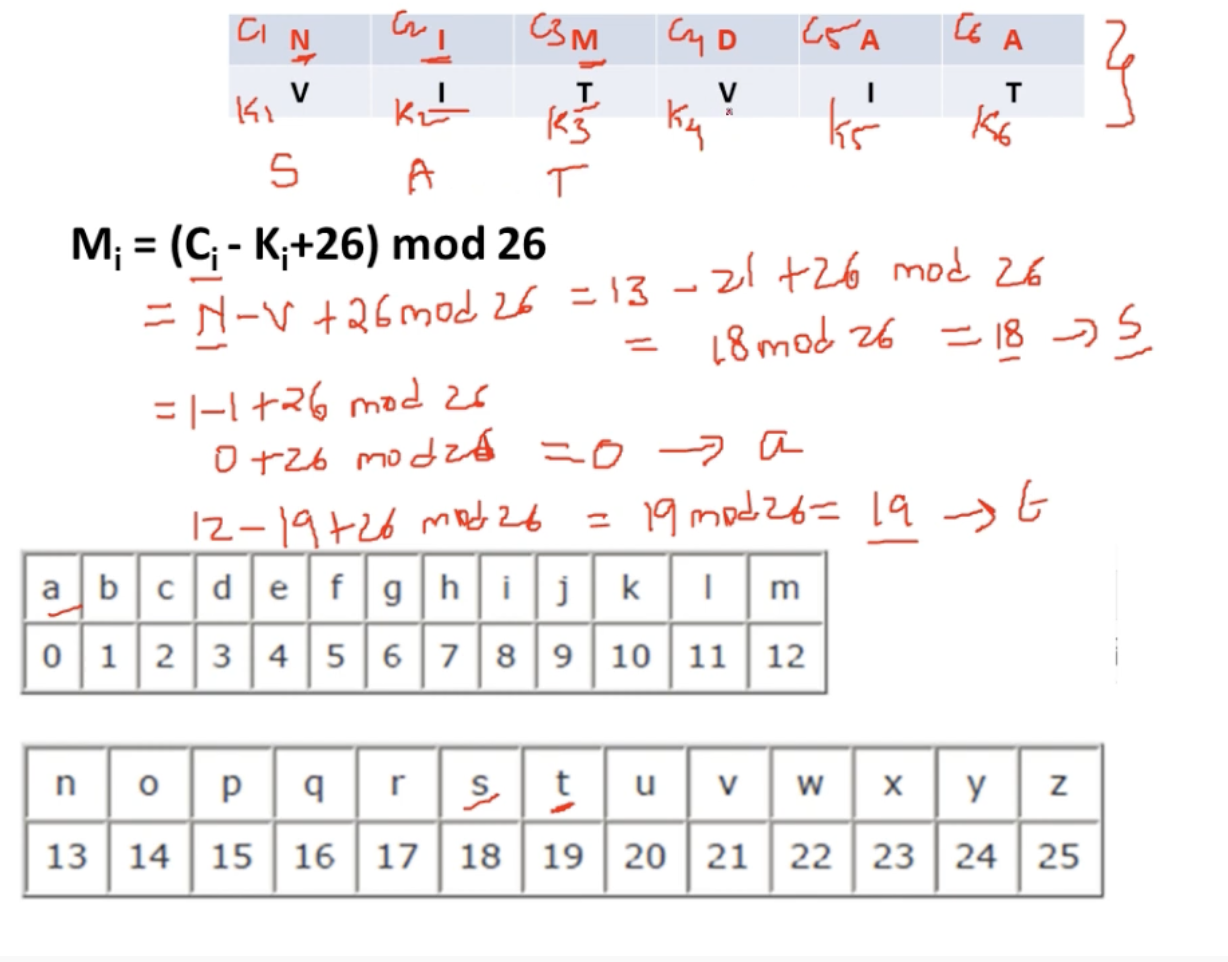


**Algebraic Representation of Vigenere Cipher**



Encryption

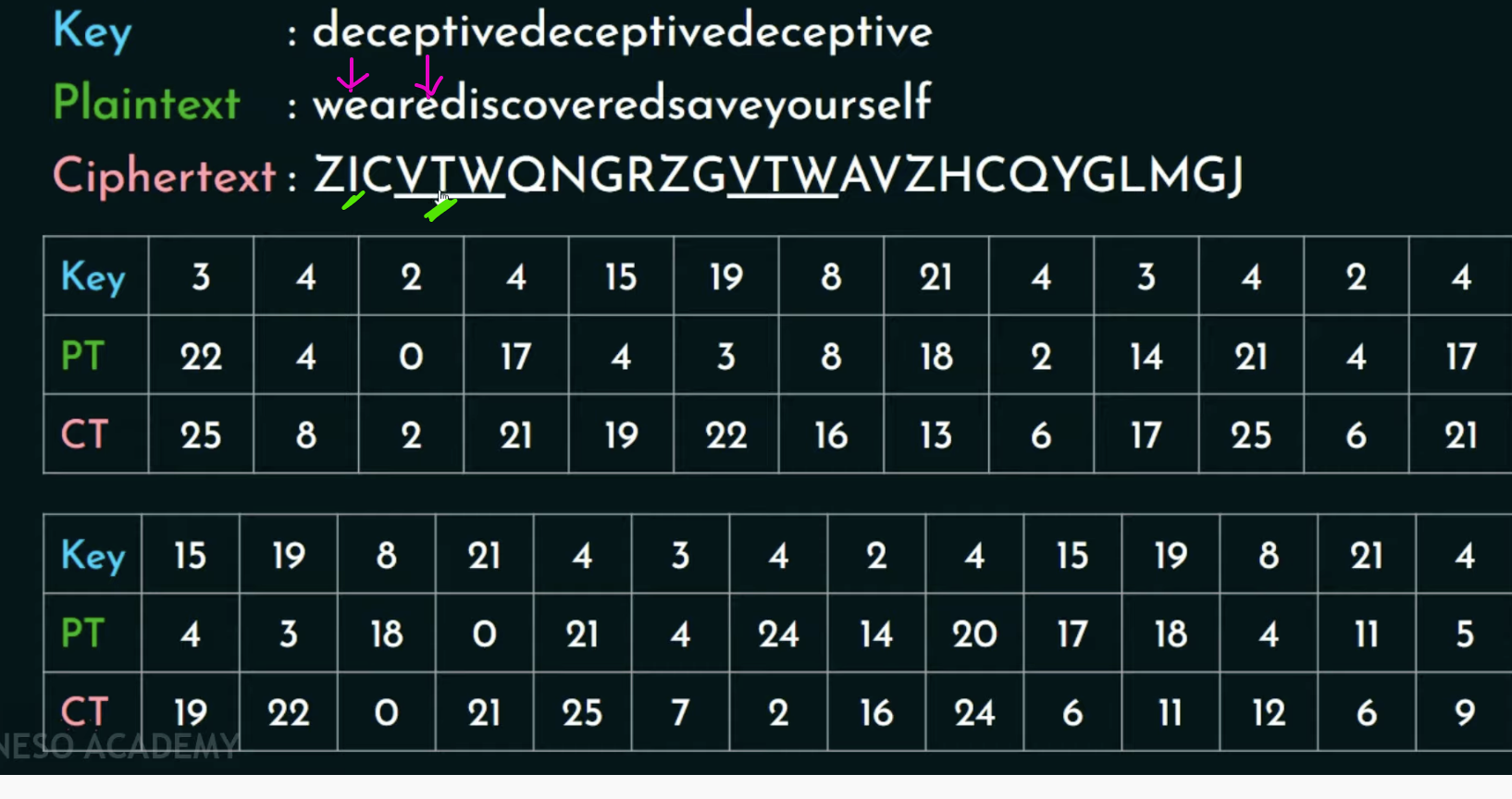


Decryption  


### **Eg-1**

Graphical user interface, text

Description automatically generated

For a same plain-text we cannot except the exact cipher text.  
one e 🡪 i  
another e 🡪 t

This is the reason why Vigenere Cipher is Polyalphabetic Cipher

# **Hill Cipher**

# **Transposition Technique**

## **Rail fence technique**

# **References**

<https://www.youtube.com/watch?v=9Q72dBsNIx8&list=PLqfPEK2RTgCgJhjoDrmUYY7R0mzJzw9Mu&index=21&t=152s>

<https://www.youtube.com/watch?v=Ic4BzVggNY8>