**Name: Kaleb Alstott**

**HW 9 - auto key**

1. Cryptanalyze the following ciphertext that was enciphered using autokey extended by ciphertext

CFRZPF ITEQTX MTVSAM DHEWCF VPWWIW ZPPSIU SDVWBP SOPWCA WSMLGR EWZNK

CFRZPFITEQTXMTVSAMDHEWCFVPWWIWZPPSIUSDVWBPSOPWCAWSMLGREWZNK

**Solved:** TRJMH SCFRZ PFITE QTXMT VSAMD HEWCF VPWWI WZPPS IUSDV WBPSO PWCAW SMLGR EWZNK

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**A screenshot of a computer

Description automatically generated**

I was able to solve this cipher by taking the cipher text and rotate it down the text till I found plain text. From that I was able to figure out we were looking for a keyword that was 6 letters long ending with a G. I was able to find the keyword joining.

2. Cryptanalyze the following ciphertext that was enciphered using autokey extended by plaintext

Crib: world war one

YQIOM EWGXH ZBFRL EVBIH MASEO RBWFF YHPHV GRTTY ELICA MAEEA DHIWI GDDGT VMECJ QTXRN PWXKN PMGRZ IBVKH TLARJ NEGFS SKGRF SULGU AZXYR SSIXT BPING FQBTH RUUAW VSC

**SOLVED:** within a year of the end of world war one the separate naval and military intelligence organisations had merged to become the government code and cypher school

**Cipher** within a year of the end of world war one the separate naval and military intelligence organisations had merged to become the government code and cypher school

A screenshot of a computer

Description automatically generated

I was able to solve this cipher by first shifting the keyword over to find the plain text. Once the plain text was found it was simply following the order of the letters and words to continue the cipher till I had it completed. With the letters I had I was able to complete the first part of the cipher with the word being cipher and then starting the message.