NATIONAL SECURITY AGENCY
Washington 25, D. C.

PROBLEMS IN DEPTH-READING,
KNOWN ALPHABETS

Training Division
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1. Recover the plain text to the following two Hagelin messages which are in flush depth.

a. J Y I O Z   H E P N C   P I F E N   D B I J B   U T R I V   Z X X Y J

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

    I I J Y H   K A P V I

b. M Z W V J   T T O U C   U F Y Q R   S G Z T F   M X F B W   E B B Y W

    G N F S I   V L B N R   Z O U K P   R J B L F   U Z I R A   G W J C F

    B D N K L   T U W F U   E C J D J   I I K X P

2. Recover the plain text to the following two Hagelin messages which are in flush depth. The probable word ORDERS is contained in the first message, beginning at the 21st letter of the message.

a. B L X O S   S K P M W   A P Z Y G   Q Y I Y P   W W J L O   Z Y G C I

    J D Q B O   T D T G W   J M S A B   O J Z W A   Z F S Y X   Z G R F G

    U Z M E L   N R H A B   I L Y P E   D G V I K

b. W S L C V   T I R X U   G W T E K   P D H M P   V N V P Z   A X Z I I

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

    B C O X L   K A L P H   Y B B F H   D F G A V   U M Y H G

3. Recover the plain text to the following two Hagelin messages which are in flush depth. The probable word NUMBER is contained in the first message.

a. Y R W L Y   M Y I E E   Q D J Z F   W F D X K   C X Z L G   Z R R J D

    M S R V W   K I B V L   N G O O V   W S I G L   F U W L M   L F Y M G

    A T L M Q   B Q I Q J   W H P A M   U K C D K   P P F U M   P R Z K D.

b. X U N E O   C C D R V   N D J X A   A B P V U   J M K J S   F W X I F

    Q S M B X   Q G B Y P   L A B O M   W H L G C   P H C J O   L F X M V

    M K W B B   L D R F K   C T P Q K   E K F W S   P P J V M   E N V W D