

Lab

4/10/21

1.1 Cipher text AALU HNHS EDFY MNAG IGIH AOFZ

AALU EDFY IGIH
HNHS MNAG AOFZ

AMANLHUS EMDNFAYG IAGDIFHZ

AALU HNHS EDFY
MNAG IGIH AOFZ

AMANLAUG HENG HISH EADOFFYZ

A MAN laughing his head off.

1.2 Cipher = INEG UNHT RIUQ SARM AMAC IWLE

I	N	E	G
U	N	H	T
R	I	U	Q
S	A	R	H
A	M	A	C
I	W	L	E

I	N	E	G	U	N
U	N	H	T	R	I
S	A	R	H	A	M
A	C	I	W	L	E

ARHA UIRT RIWL EMQN UGEN
IHSA

I	N	E	G	U	N
H	T	R	I	U	Q
S	A	R	H	A	M
A	C	I	W	L	E

A	S	Q	U	I	R
R	E	L	W	I	T
H	A	M	A	C	H
I	N	E	G	U	N

Draw out + put line in.
Then add 4 letter words by the way
line is going

INNEG UNIT RIVER SA

A squirrel with a machine gun

221 Cipher text

7 7 7 7 7 7 7 7

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

THE LETTER G

22 ABCDEFGHIJKLMNOPQRSTUVWXYZ
plain → NOPQRSTUVWXYZABCDEFGHIJKLM

SVSGL PRAGF cipher text

FIFTY CENTS = plain text

GRA PRAGF cipher text

TEN CENTS = plain text

Became 26 letters in Alphabet

COLD changes to ~~WOLF~~ FROG

PECAN TIGER

SLEEP BUNNY

in right shift. second Alphabet is moved to the left.

2.3 CIPHERTEXT: DTGK
keyword Thursday

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

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

ROSE.

2.4 ciphertext 21-24-34-22-15-43-44-17-13

1	2	3	4	5
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

F I N G E R S

cipher 3 14 9 12 4 5 13
 25 ↘ 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
 Plain → 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

CKREA DRGC

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
 K 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

~~CKREA~~ GOVIESVIG SE SG IT

sometimes it is easy to break a substitution cipher
 even if we use an ~~arbitrary~~ ~~cipher~~ mapping from
 plaintext units to ciphertext units