

Vigenere Cipher

Key: HANKY

Silly rabbit, trix are for kids.

Plaintext: HANKY HANKY HANKY HANKY HANKY
SILLY RABBI TTRIX AREFO RKIDS

Cyphertext: ZIYVW YAOLG ATESV HRRPM YKVNQ

Key: QUIK

Cyphertext: QUIK QUIK QUIK QUIK Q
TLQX ASWE HIDK BNQX U

Plaintext: DRINK YOU ROVA LTIN ~~U~~
E

Rectangular Transposition

ETO ANIRSH

Plaintext:

Why did you bring that book that I didn't want to be read to out of from up for?

Key: 6 1 2 4 5 3

	6	1	2	4	5	3
	W	H	Y	D	I	D
	Y	O	U	B	R	I
	N	G	T	H	A	T
	B	O	O	K	T	H
	A	T	I	D	I	D
	N	T	W	A	N	T
	T	O	B	E	R	E
	A	D	T	O	O	U
	T	O	F	F	R	O
	M	U	P	F	O	R

Cyphertext: HOG OTTODOU YVTOI WBTFPDITH

A word may also be used as a key because it is easier to remember. We will use the convention that the word is turned into a permutation by placing a number below each letter corresponding to its alphabetical order.

Examples:

ATOM
1432

CONDOR
143256

HAMBURGER
516297438

Playfair Cipher

Key:

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

Plaintext:

382 Robertson Dr, West Hollywood

TH RE EQ EI GH TQ TW OR OB ER TS ON
QO WB DR NA LP UR RY KT KF BW UT MI
DR WE ST HO LQ LY WO OD
EQ ~~WE~~ TU KP HV FV YK HI
EB

A	0 <i>26</i>	H	7	N	13	U	20
B	1 <i>27</i>	I	8	O	14	V	21
C	2 <i>28</i>	J	9	P	15	W	22
D	3 <i>29</i>	K	10	Q	16	X	23
E	4 <i>30</i>	L	11	R	17	Y	24
F	5 <i>31</i>	M	12	S	18	Z	25
G	6			T	19		

Caesar Cipher

plaintext	<input type="text"/>
numerical	<input type="text"/>
plaintext+key (mod 26)	<input type="text"/>
ciphertext	<input type="text"/>

Vigenere Cipher

plaintext	<input type="text" value="O U T I N L E F T F I E"/>
numerical	<input type="text" value="14 20 19 8 13 11 4 5 19 5 8 4"/>
key	<input type="text" value="R O U N D R O U N D R O"/>
plaintext + key (mod 26)	<input type="text" value="5 8 13 21 16 2 18 25 6 8 25 18"/>
ciphertext	<input type="text" value="F I N V Q C S Z G I Z S"/>

Key: R

V K Z Z K V F I T B P
W L A
X M B
Y N C
Z O D

A P E K
B Q F L
C R G M
D S H N
E T I T E O

Second letters

F
G
H
I
J
Y

K Z
L A
M B
N C
O D

P E
Q F
R G
S H
T I
U J

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

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

W	Q	F				A	P	C	R	
X	R	G				B	Q	D	S	
Y	<u>E</u>	<u>S</u>	<u>I</u>	<u>H</u>	<u>I</u>	<u>S</u>	<u>I</u>	<u>S</u>	<u>T</u>	<u>H</u>
Z	T	I				D	S	F	V	
A	U	J				E	T	G	V	

first letters

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

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

Homophonic Substitution

	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
S	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	1	2	3	4	5	6	7	8
T	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	1	2	3	4	5	6	7
A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
N	14	15	16	17	18	19	20	21	22	23	24	25	1	2	3	4	5	6	7	8	9	10	11	12	13

	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
S	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	1	2	3	4	5	6	7	8
T	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	26	27	28	29	30	31	32
A	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
N	89	90	91	92	93	94	95	96	97	98	99	100	76	77	78	79	80	81	82	83	84	85	86	87	88

Key: STAN

Plaintext #1: T H E N W H Y D I D Y O U T
 2 40 93 45 5 16 31
 U R N S O M E O F U S I N S
 I D E O U T ?

Cyphertext #2: 69-16-9-2-85-33-81-35-51-25-61-40-13-1-45-93-85-20-64-77
 THAT WAS