

then

ALIAH UNIVERSITY

N I C K S
4 2 1 3 5

A L I A H

- U N I V

B I R S I T

Y - - -

[According to gfg
at others]

maims

I N S - L U R - A S P - A - B Y H U T -
(C.T.)

N I C K S

4 2 1 3 5

A L I A H

U N I V E

R S I T Y

[According to
chat GPT &
Some]

I F I L N S A N T A U R I H E Y (C.T.)

UNIVE
RSITY

Some]

ILLNS AVT AUR HBY ((C,+))

C. T. = TODAY FS TUESDAY [mainly]

key = NFCKS

N F C K S
4 2 1 3 5
T O D A Y
- F S - T
U E S D A
Y - - -

C. T = DSS_OIE -
A - D - T - VYVT
A -



1. SIMPLE COLUMNAR TRANSPOSITION

Key: ZEBRAS

plain text: welcome home

Order : 6 3 2 4 1 5

1	2	3	4	5	6
W	E	L	C	O	M
E	H	O	M	E	

Cipher text: MLOEHCMWEOE



TRANSPOSITION CIPHER In the transposition...

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3 1 4 2 ← Permutated column Order

M	E	E	T
T	O	M	O
R	R	O	W

Encryption

Given text = Geeks for Geeks
Keyword = HACK Length of Keyword = 4 (no of rows) Order of Alphabets in HACK = 3124

H	A	C	K
G	E	E	A
e	-	-	G
r	-	-	E
e	k	s	-

Print Characters of column 1,2,3,4
Encrypted Text = e kEgGeekoe...

Binary Terms

What is Transposition T...

Karthikeyan Nagaraj - M...

An Overview of Colum...

Keyword → H A C K
Order of alphabets in HACK → 3 1 2 4
Plain Text written in matrix form →

3	1	2	4
T	R	E	E
-	I	S	-
G	R	E	E
N	-	-	-

Chirag's Blog

Transposition Cipher enciphering

plain text: TRANSPOSITION
keyword: 43152
ciphertext: NI

4 3 1 5 2

N	A	T	S	R
I	S	P	T	O
X	N	I	X	O

1:14





Encryption

Given text = Geeks for Geeks

Keyword = HACK

Length of Keyword = 4 (no of rows)

Order of Alphabets in HACK = 3124

H	A	C	K
3	1	2	4
G	e	e	k
s	-	f	o
r	-	G	e
e	k	s	-

Print Characters of column 1,2,3,4
Encrypted Text = e kefGsGsreko_e_

An Overview of Columnar Transposition Cipher:...

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Keyword → H A C K
Order of alphabets in HACK
Plain Text written in matrix form →

3	1	2	4
T	R	E	E
-	I	S	-
G	R	E	E
N	-	-	-

e Chirag's Blog

Chirag's Blog: Columna...

Transposition Cipher
enciphering

Plain text: TRANPOSITION
keyword: 43152
ciphertext: NI

Columnar Transposition Cipher

Text to be encrypted: SGWEN VII LE CAIRE SCOUTING GROUP
Keyword: LOCK Keyword's Length: 4 (row length) Order of Alphabet in LOCK: 3412

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

Facebook

SGWEN – VII eme Caire...

Transposition Cipher – ...

Row Transposition Ciphers

* Make the statement in 5 columns:

6	I	S	3	2
S	T	I	E	H
E	M	S	L	P
S	T	S	O	P
E	I	T	L	B
S	R	P	N	A
T	O	I	I	S
X	O	X	S	N

Key: 41532

Cipher:
STIEH EMSLP STSOP EITLB SRPNA
TOIS XOXSN

Row Transposition Ciphers

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	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	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	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Row Transposition Cip...



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