

HW1 of Introduction to Information Security 2018

Plaintext: keepgoingnevergiveup

1. Caesar cipher:

key: 7

2. Monoalphabetic cipher:

key:

0	1	2	3	4	5	6	7	8	9	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
										0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
z	y	x	w	v	u	t	s	r	q	p	o	n	m	l	k	j	i	h	g	f	e	d	c	b	a
M	N	B	V	C	X	Z	L	K	J	H	G	F	D	S	A	P	O	I	U	Y	T	R	E	W	Q

The second row is alphabet, the third row is key.

3. Playfair cipher:

key: HIT

4. Vernam proposed the autokey system

key: CON

5. Row transposition:

key: 31562487

6. Product cipher:

Key:

01	02	03	04	05	06	07	08	09	10
11	12	13	14	15	16	17	18	19	20

Transport:

15	11	19	18	16	03	07	14	02	20
04	12	09	06	01	05	17	13	10	08