

# Assignment 1

Tasnim Sakib Apon

ID : 20241068

CSE 490

Spring 2021

Tasnim Salib Aprin  
2024/10/68

Date: / /  
☐ Sat ☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri

Theme:

1. Cipher text  $\rightarrow$  V

$\rightarrow$  VSRGJHERVTXDUHSDGWU

Plain text  $\rightarrow$  spongebob squarepants.

2. we use all together.

	c1	c2	c3	c4
R1	w	e	a	r
R2	e	a	i	i
R3	t	o	g	e
R4	t	h	e	r

	c1	c2	c3	c4
R1	w	e	a	r
R2	e	a	i	i
R3	t	o	g	e
R4	t	h	e	r

	c3	c1	c2	c4
R2	t	e	a	d
R4	e	t	h	r
R1	a	w	e	r
R3	g	t	o	e

	c1	c2	c3	c4
R2	e	a	i	i
R4	t	h	e	r
R1	w	e	a	r
R3	t	o	g	e

$\therefore$  Double transposition cipher  $\rightarrow$  dealethraewrgtoe

Theme:

20241068

3 For thrill

	t	h	r	i	l	l
p →	111	001	101	010	100	100
k →	011	010	111	100	011	000
c →	100	011	010	110	111	100
	L	K	I	S	T	L

so key → LKISTL.

For tiller.

	t	i	l	l	e	r
p →	111	010	100	100	000	101
k →	011	010	111	100	011	000
c →	100	000	100	000	011	101
	L	E	K	E	K	R

key → LEK EKR.