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MSCS 2017-18

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1. Monoalphabetic Cipher

Plain text

The Electrical energy crisis, especially in the hilly areas of Pakistan is the major issue and this deadlock has created tremendous resistance in our energy resources. As it is evident that the hilly areas of Pakistan are devoid of highly technological machinery.

Monoalphabetic substitution enciphering

open alphabet
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
KEYWORD A B C F G H I J L M N P Q S T U V X Z
cipher alphabet

keyword: KEYWORD
plain text: A L K I N D I
ciphertext: K

QAO OGOYQNBYG OIONDX YNBPB, 0POOOYBKGGX BI Q OKP JR
LKBPQKI BP QAO HKCJN BPPSO KIW QABP WOKWGJYF AKP
YNKQOKOW QNOHOIWJSP NOPBPQKIYO BI JSN OIONDX NOPJSNYOP.
KP BQ BP OTBOIQ QAKQ QAO ABGGX KNOKP JR LKBPQKI KNO
WOTJBW JR ABDAGX QOYAIJGBYKG HKYABIONX.

2. Key. Play fair Cipher Example

Plain text. *The Electrical energy crisis, especially in the hilly areas of Pakistan is the major issue and this deadlock has created tremendous resistance in our energy resources. As it is evident that the hilly areas of Pakistan are devoid of highly technological machinery*

P	L	A	Y	F
I	R	E	X	M
B	C	D	G	h
K	N	O	Q	S
t	u	v	w	z

Plain text pair

th ex xe le tri ct al en er gy ic is is es pe ci al xl ya ar ea so fp ak is ta ni st he ma
jo ri sx x sue an dt hi sd lo ck ha sc re at ed tr em en do us re si st an ce in ou re
ne rg yr so ur ce sa sit i se vi de nt th eh il ly ar ea so fp ak is ta na re de vo id of
hi gh ly te ch ly te ch no lo gi ca lm ch in er yx

cipher text.

Zb im pm le tri ct al en er gy ic is is es pe ci al xl ya ar ea so fp ak is ta ni st he ma
jo ri sx x sue an dt hi sd lo ck ha sc re at ed tr em en do us re si st an ce in ou re
ne rg yr so ur ce sa sit i se vi de nt th eh il ly ar ea so fp ak is ta na re de vo id of
hi gh ly te ch ly te ch no lo gi ca lm ch in im pt.

3 Vigenere Cipher

Plain text

The Electrical energy crisis, especially in the hilly areas of Pakistan is the major issue and this deadlock has created tremendous resistance in our energy resources. As it is evident that the hilly areas of Pakistan are devoid of highly technological machinery.

t	h	e	l	e	c	t	r	i	c	a	l	c	r	i	s	i	s	e	S
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
p	e	c	i	a	l	l	y	i	n	t	h	e	h	i	l	l	y	a	r
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
e	a	s	o	f	p	a	k	i	s	t	a	n	i	s	t	a	n	i	s
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
t	h	e	m	a	j	o	R	i	s	s	u	e	a	n	d	t	h	i	s
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
d	e	a	d	l	o	c	k	h	a	s	c	r	e	a	t	e	d	t	r
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
e	m	e	n	d	o	u	s	r	e	s	i	s	t	a	n	c	e	i	n
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
o	u	r	e	n	e	r	g	y	r	e	s	o	u	r	c	e	s	a	s
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
i	t	i	s	e	v	i	d	e	n	t	t	h	a	t	t	h	e	h	i
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
l	l	y	a	r	e	a	s	o	f	p	a	k	i	s	t	a	n	a	r
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k
e	d	e	v	o	i	d	o	f	c	a	l	m	a	c	h	i	n	r	y
l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k	l	o	c	k