Name			

Encrypt the following message with the given key. Each letter of the alphabet has been swapped with another letter.

A	В	C	D	\boldsymbol{E}	F	G	H	I	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z
I	Q	W	В	T	N	Z	H	V	U	C	S	F	M	Ι	A	K	X	P	Y	J	R	E	G	D	0

[&]quot;Appear weak when you are strong, and strong when you are weak." – Sun Tzu

Decrypt the following message with the given key.

A	В	C	D	\boldsymbol{E}	\boldsymbol{F}	G	H	I	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z
Z	D	Y	В	S	Ι	N	C	W	G	K	L	T	Н	P	E	M	F	A	U	0	R	V	Q	X	J

"Wu wa z ufouc ohwrsfazllx zykhpvlsbnsb, uczu z awhnls tzh wh epaasaawph pi z nppb ipfuohs, toau ds wh vzhu pi z vwis." – Gzhs Zoaush

The key for the following message is partially unknown, see if you can determine the key and decrypt the message.

ſ	\overline{A}	\boldsymbol{B}	C	D	\boldsymbol{E}	\boldsymbol{F}	G	H	I	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z
Ī						U										Q										

VHRX HX F QGY VPCQ: UJGG QFJJCYV, JGFBO YC RC - XC QGJAPGV XGAGVVFJO.

Keyword cipher

Remembering a random permutation of the alphabet is a difficult task. To make the substitution cipher easier to use, we will instead start with a keyword and fill in the rest of the alphabet. To create a unique permutation based on a word or phrase.

Keyword: apples

																_						W			
A	P	L	E	S	В	C	D	F	G	H	I	J	K	M	N	0	Q	R	T	U	V	W	X	Y	Z

Notice that the keyword **apples** begins the cipher alphabet, ignoring the duplicate letters. The remaining letters are placed alphabetically.

Encrypt the following message:

Many of life's failures are people who did not realize how close they were to success when they gave up.

- Thomas A. Edison

Keyword: Lightbulb

1	4	В	C	D	\boldsymbol{E}	F	G	Н	I	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z

Create your own keyword and encrypt a message of your choosing. Swap with someone else and decrypt their message.

A	В	C	D	E	F	G	Н	Ι	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z

Keyword:

Encrypted Message: