

Homework 10

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Key for Exercises 1 & 3

Plaintext:	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	.	!	...
Ciphertext:	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	.	!		A	B	C	D	E	F	G	H	I	J

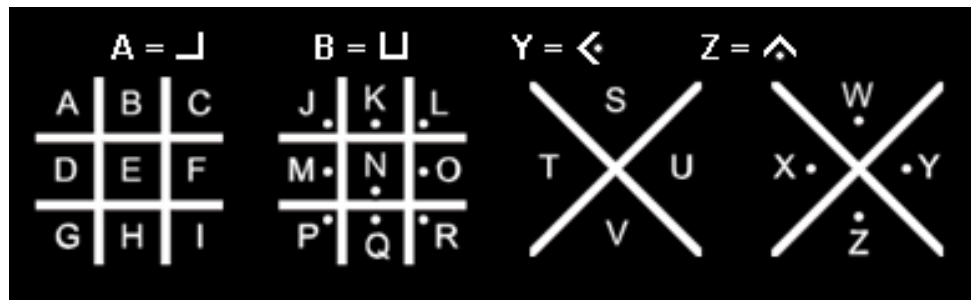
1. **Ciphertext:** NYJY!JNYJXYAHJARO!OJS JXYJA!FI (4 points)

Plaintext: DO OR DO NOT. THERE IS NO TRY!

The following information was extracted from The BLACK Chamber's Pigpen Cipher page. The content is available at https://simonsingh.net/The_Black_Chamber/pigpen.html.

"The Pigpen Cipher was used by Freemasons in the 18th Century to keep their records private. The cipher does not substitute one letter for another; rather it substitutes each letter for a symbol. The alphabet is written in the grids shown, and then each letter is enciphered by replacing it with a symbol that corresponds to the portion of the pigpen grid that contains the letter."

The key is



2. You have received the following pigpen ciphertext:



Decipher the ciphertext. (3 points)

Plaintext: SJKWJXYJTNSH

3. The plaintext extracted in exercise 2 is ciphertext encrypted using a substitution cipher, whose key is shown at the top of the page. What is the original message? (3 points)

Ciphertext: SJKWJXYJTNSH

Original message: I AM NO JEDI.