MATHEMATICS 4440/5440 CRYPTOSYSTEM ORGANIZER

	Cryptosystem: Caesar Cipher
	Plaintext space: (2/262) Str=strings of integers mod 26
	Cinhertext space:
	Key space (and its size): $\mathbb{Z}_{26}\mathbb{Z} = \{0, 1, \dots, 25\}$
	If key = k, encryption is character-by-character
	x mod 26 + > x+k mod 26
	If key=k, decryption n mod 26 > x - k mod 26
	Example: See slides
	Ciphertext only attacks: (Dexhaustive search (26) w
	2) frequency analysis
	Known plaintext attacks:
	If n encrypts to m
	Chosen plaintext attacks: Then key is
	M - M
	Chosen ciphertext attacks:
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	Note: rely on the plainext
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