

MA464

Quiz #2

9/9/21

Date

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First name, Last name

Show all work.

Describe (briefly) the main difference between a monoalphabetic and a polyalphabetic cryptosystem.
Give two examples of cryptosystems of each type.

A monoalphabetic cipher will map each character to one unique character in the cipher text.

A polyalphabetic cipher will map one character in the plaintext to multiple characters in the ciphertext.

Monoalphabetic cipher: Shift cipher

Polyalphabetic cipher: Vigenère cipher