

## Main

- + screen: Screen
- + english: Boolean
- + encryption: Boolean
- + caesar: Boolean
- + vigenere: Boolean
- + enigma: Boolean
- + key\_caesar: int
- + key\_vigenere: string
- + key\_enigma: string

## Text

- return\_path: Boolean
- vigenere\_table: matrix
- initial\_list: list
- first\_rotor: list
- second\_rotor: list
- third\_rotor: list

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- format(text: Text): Text
- encrypt(text: Text): Text
- decrypt(text: Text): Text
- encrypt\_caesar(text: Text, key: int): Text
- decrypt\_caesar(text: Text, key: int): Text
- encrypt\_vigenere(text: Text, key: string): Text
- decrypt\_vigenere(text: Text, key: string): Text
- encrypt\_enigma(text: Text, key: string): Text
- decrypt\_enigma(text: Text, key: string): Text
- search\_index(letter: char, alphabeth: list): int
- plugboard(letter: char): char
- shift\_first\_rotor(letter: char): char
- shift\_second\_rotor(letter: char): char
- shift\_third\_rotor(letter: char): char
- permutation\_reflector(letter: char): char

## Screen

- show\_start\_ask\_language(): int
- show\_main\_menu(): int
- show\_principles(): int
- show\_ask\_key(): int
- show\_ask\_text(): int
- show\_treated\_text(): int
- show\_language\_settings(): int
- show\_help\_principles(): int
- show\_quit\_message(): int