LUHN **Algorithm**

The Python code implements the Luhn algorithm, a checksum formula used to validate credit card numbers and other identification numbers.

**Explanation**

1. **luhn\_algorithm(card\_number) function:**
   * Takes a card\_number as input.
   * Converts the card\_number to a string and reverses it.
   * Initializes a total variable to 0.
   * Iterates through the reversed card number, doubling every second digit.
   * If the doubled digit is greater than 9, subtract 9 from it.
   * Adds the doubled digits and the non-doubled digits to the total.
   * Returns True if the total is divisible by 10, and False otherwise.
2. **Example Usage:**
   * The code then calls the luhn\_algorithm function with two example card numbers and prints the results.

In essence, the code checks if a given number is potentially valid according to the Luhn algorithm's checksum rules.