

There are a couple ways an attacker could attack the affine cipher:

They could pretty easily brute-force it. There are relatively few options for possible keys, making it easy to potentially run some code trying every key until they come across the right one.

They could also utilize letter frequency. Affine is monoalphabetic substitution cipher, meaning each letter is encrypted to a different letter using a formula (so each different letter is encrypted to the same letter with each occurrence). As such, the frequency of each letter can be used to guess what the letter is decrypted