

```
import time
```

```
def ciphertext (text, kay)
    """ = decrypted_text
    for char in text
        if char.isalpha
            offset = 65 if char.isupper() else 97
            decrypted_char = chr((ord(char) - offset - kay) %
(26 + offset
            decrypted_text += decrypted_char
        else
            decrypted_text += char
    return decrypted_text
```

```
(" :text = input("Input the text
("print("\nTrying all possible text:\n
()start = time.time
:(for kay in range(1, 26
(plain_text = ciphertext (text, kay
(print (plain_text
()end = time.time
("print ("\nTotal time:", end - start, "seconds
```