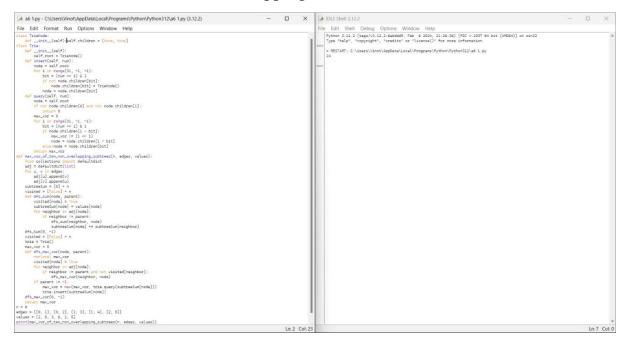
# 1. Maximum XOR of Two-Overlapping Subtrees



### 2.Form a Chemical Bond

```
import sqlite3
conn = sqlite3.connect('memory:')
cur = conn.curror()
curror()
cur
```

## 3. Minimum Cuts to Divide a circle

### 4. Difference Between Ones and Zeros in Row and Column

## 5. Minimum Penalty for a shop

# 6. Count Palindromic Sequence

```
MOD = 10**9 + 7

def count palindromic_subsequences(s):
    n = len(s)
    count palindromic_subsequences(s):
    n = len(s)
    count palindromic_subsequences(s):
    n = len(s)
    count palindrome(sub):
    count palindrome(sub):
    count palindrome(sub):
    count palindrome(sub):
    count palindrome(sub):
    count palindrome(subsequence):
    count palindromic_subsequences(s))

* Python 3.12.2 (tags/v3.12.2:6abddd9, Peb 6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] * on Min22

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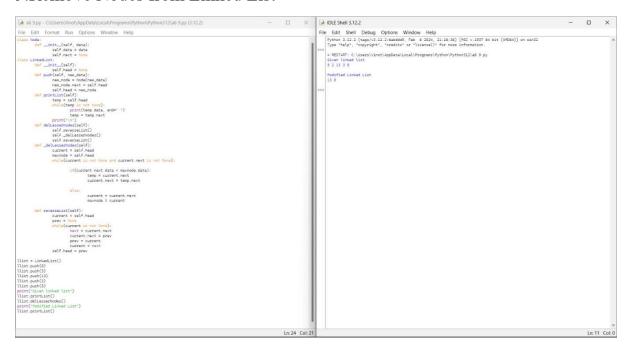
* Python 3.12.2 (tags/v3.12.2:6abdd9, Peb 6 2024,
```

### 7. Find the Pivot Element

```
def find pivot_integer(n):
    total_sum = n * (n + 1) // 2
    left_sum = 0
    for x in range(n, n + 1):
    left_sum + x
        right_sum = total_sum - 1 left_sum + x
        return - 1
        n = 8
        return - 1
```

# 8. Append Characters to string to make Sequence

## 9. Remove Nodes from Linked List



# 10. Count Subarrays with Median K

```
def count_subarrays with_median_k(nums, k):
    n = len(nums)
    k_index = nums.index(k)
    balance = 0
    result = 0
    for i in range(k_index, -1, -1):
    if nums(i) < k:
        balance = 1
    if balance in balance dict(balance) = 1
    balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance dict(balance) = 1
    balance dict(balance) = 1
    balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance dict(balance) = 1
    alance dict(balance) = 1
    balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
    if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
    if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
    for i in range(k_index, n):
        if nums(i) < k:
        balance = 0
```