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1. Pattern: Sliding window，**滑动窗口类型**

经典题目：

Maximum Sum Subarray of Size K (easy)

Smallest Subarray with a given sum (easy)

Longest Substring with K Distinct Characters (medium)

Fruits into Baskets (medium)

No-repeat Substring (hard)

Longest Substring with Same Letters after Replacement (hard)

Longest Subarray with Ones after Replacement (hard)

2. Pattern: two points, **双指针类型**

经典题目：

Pair with Target Sum (easy)

Remove Duplicates (easy)

Squaring a Sorted Array (easy)

Triplet Sum to Zero (medium)

Triplet Sum Close to Target (medium)

Triplets with Smaller Sum (medium)

Subarrays with Product Less than a Target (medium)

Dutch National Flag Problem (medium)

3. Pattern: Fast & Slow pointers, **快慢指针类型**

经典题目：

LinkedList Cycle (easy)

Start of LinkedList Cycle (medium)

Happy Number (medium)

Middle of the LinkedList (easy)

4. Pattern: Merge Intervals，**区间合并类型**

经典题目：

Merge Intervals (medium)

Insert Interval (medium)

Intervals Intersection (medium)

Conflicting Appointments (medium)

5. Pattern: Cyclic Sort，**循环排序**

经典题目：

Cyclic Sort (easy)

Find the Missing Number (easy)

Find all Missing Numbers (easy)

Find the Duplicate Number (easy)

Find all Duplicate Numbers (easy)

6. Pattern: In-place Reversal of a LinkedList，**链表翻转**

经典题目：

Reverse a LinkedList (easy)

Reverse a Sub-list (medium)

Reverse every K-element Sub-list (medium)

7. Pattern: Tree Breadth First Search，**树上的BFS**

经典题目：

Binary Tree Level Order Traversal (easy)

Reverse Level Order Traversal (easy)

Zigzag Traversal (medium)

Level Averages in a Binary Tree (easy)

Minimum Depth of a Binary Tree (easy)

Level Order Successor (easy)

Connect Level Order Siblings (medium)

8. Pattern: Tree Depth First Search，**树上的DFS**

经典题目：

Binary Tree Path Sum (easy)

All Paths for a Sum (medium)

Sum of Path Numbers (medium)

Path With Given Sequence (medium)

Count Paths for a Sum (medium)

9. Pattern: Two Heaps，**双堆类型**

经典题目：

Find the Median of a Number Stream (medium)

Sliding Window Median (hard)

Maximize Capital (hard)

10. Pattern: Subsets，**子集类型，一般都是使用多重DFS**

经典题目：

Subsets (easy)

Subsets With Duplicates (easy)

Permutations (medium)

String Permutations by changing case (medium)

Balanced Parentheses (hard)

Unique Generalized Abbreviations (hard)

11. Pattern: Modified Binary Search，**改造过的二分**

经典题目：

Order-agnostic Binary Search (easy)

Ceiling of a Number (medium)

Next Letter (medium)

Number Range (medium)

Search in a Sorted Infinite Array (medium)

Minimum Difference Element (medium)

Bitonic Array Maximum (easy)

12. Pattern: Top ‘K’ Elements，**前K个系列**

经典题目：

Top ‘K’ Numbers (easy)

Kth Smallest Number (easy)

‘K’ Closest Points to the Origin (easy)

Connect Ropes (easy)

Top ‘K’ Frequent Numbers (medium)

Frequency Sort (medium)

Kth Largest Number in a Stream (medium)

‘K’ Closest Numbers (medium)

Maximum Distinct Elements (medium)

Sum of Elements (medium)

Rearrange String (hard)

13. Pattern: K-way merge，**多路归并**

经典题目：

Merge K Sorted Lists (medium)

Kth Smallest Number in M Sorted Lists (Medium)

Kth Smallest Number in a Sorted Matrix (Hard)

Smallest Number Range (Hard)

14. Pattern: 0/1 Knapsack (Dynamic Programming)，**0/1背包类型**

经典题目：

0/1 Knapsack (medium)

Equal Subset Sum Partition (medium)

Subset Sum (medium)

Minimum Subset Sum Difference (hard)

15. Pattern: Topological Sort (Graph)，**拓扑排序类型**

经典题目：

Topological Sort (medium)

Tasks Scheduling (medium)

Tasks Scheduling Order (medium)

All Tasks Scheduling Orders (hard)

Alien Dictionary (hard)

大家好好练练这些题目，面试中遇到高等难度的题目，应该就能解得不错了。