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| **题目** | **链接** | **备注** | **日期** |
| strStr() |  |  |  |
| Subsets | http://www.lintcode.com/en/problem/subsets/ |  | 09/26/2015 |
| Unique Subsets | http://www.lintcode.com/en/problem/subsets-ii/ |  | 09/26/2015 |
| Permutations | http://www.lintcode.com/en/problem/permutations/ |  | 10/06/2015 |
| Unique Permutations | http://www.lintcode.com/en/problem/permutations-ii/ |  | 10/06/2015 |
| Combinations | http://www.lintcode.com/en/problem/combinations/ |  | 10/06/2015 |
| Combination Sum | http://www.lintcode.com/en/problem/combination-sum/ |  | 10/06/2015 |
| Letter Combination of a Phone Number | http://www.lintcode.com/en/problem/letter-combinations-of-a-phone-number/ |  | 12/12/2015 |
| Palindrome Partitioning | http://www.lintcode.com/en/problem/palindrome-partitioning/ | other method to improve | 13/12/2015 |
| Restore IP Address | https://leetcode.com/problems/restore-ip-addresses/ |  | 16/12/2015 |

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| **题目** | **链接** | **备注** | **日期** |
| [Binary search](http://wiki.ruihan.org/index.php?title=Binary_search&action=edit&redlink=1) | http://www.lintcode.com/en/problem/binary-search/ |  | 10/02/2015, 17/12/2015 |
| Search for a range | http://www.lintcode.com/en/problem/search-for-a-range/ |  | 10/03/2015, 17/12/2015 |
| Search Insert Position | http://www.lintcode.com/en/problem/search-insert-position/ |  | 10/03/2015, 17/12/2015 |
| Search in a Big Sorted Array | http://www.lintcode.com/en/problem/search-in-a-big-sorted-array/ | binary search in log(k), kidding me? | 17/12/2015 |
| Search a 2D Matrix | http://www.lintcode.com/en/problem/search-a-2d-matrix/ | matrix[start / col][start % col] | 10/03/2015 |
| Search a 2D Matrix II | http://www.lintcode.com/en/problem/search-a-2d-matrix-ii/ |  | 17/12/2015 |
| First Bad Version | http://www.lintcode.com/en/problem/first-bad-version/ |  | 18/12/2015 |
| Find Peak Element | http://www.lintcode.com/en/problem/find-peak-element/ |  | 18/12/2015 |
| Recover Rotated Sorted Array | http://www.lintcode.com/en/problem/recover-rotated-sorted-array/ | 三步翻转法 | 18/12/2015 |
| Find Minimum in Rotated Sorted Array | http://www.lintcode.com/en/problem/find-minimum-in-rotated-sorted-array/ |  | 18/12/2015 |
| Find Minimum in Rotated Sorted Array II | http://www.lintcode.com/en/problem/find-minimum-in-rotated-sorted-array-ii/ | divide conquer | 18/12/2015 |
| Search in Rotated Sorted Array | http://www.lintcode.com/en/problem/search-in-rotated-sorted-array/ |  | 18/12/2015 |
| Search in Rotated Sorted Array II | http://www.lintcode.com/en/problem/search-in-rotated-sorted-array-ii/ | linear time | 18/12/15 |
| Median of Two Sorted Arrays |  |  |  |
| Rotate String | http://www.lintcode.com/en/problem/rotate-string/ | 三步翻转 | 19/12/15 |
| Reverse Words in a String |  |  |  |
| Wood Cut |  |  |  |

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| **题目** | **链接** | **备注** | **日期** |
| Binary Tree Preorder Traversal | http://www.lintcode.com/en/problem/binary-tree-preorder-traversal/ | divide and conquer | 22/12/2015 |
| Maximum Depth of Binary Tree | http://www.lintcode.com/en/problem/maximum-depth-of-binary-tree/ |  | 22/12/2015 |
| Balanced Binary Tree | http://www.lintcode.com/en/problem/balanced-binary-tree/ |  | 22/12/2015 |
| Lowest Common Ancestor |  | binary search tree, parent pointer | 22/12/2015 |
| \*\*\*Binary Tree Maximum Path Sum |  | divide conquer | 22/12/2015 |
| Binary Tree BFS Traversal |  | use queue | 22/12/2015 |
| Binary Tree Level Order Traversal | http://www.lintcode.com/en/problem/binary-tree-level-order-traversal/ | recursion?, store level also | 23/12/2015 |
| Binary Tree Level Order Traversal II | http://www.lintcode.com/en/problem/binary-tree-level-order-traversal-ii/ | just reverse | 23/12/2015 |
| Binary Tree Zigzag Level Order Traversal |  | if(i++ & 0x1) | 23/12/2015 |
| Validate Binary Search Tree | http://www.lintcode.com/en/problem/validate-binary-search-tree/ | root->val == INT\_MAX or INT\_MIN | 23/12/2015 |
| Insert a Node in Binary Search Tree | http://www.lintcode.com/en/problem/insert-node-in-a-binary-search-tree/ | iterative solution | 23/12/2015 |
| Search Range in a Binary Search Tree | http://www.lintcode.com/en/problem/search-range-in-binary-search-tree/ |  | 23/12/2015 |
| \*\*\*Binary Search Tree Iterator | http://www.lintcode.com/en/problem/binary-search-tree-iterator/ | stack, no overthinking. | 23/12/2015 |
| Remove Node in Binary Search Tree |  |  | 23/12/2015 |
| Inorder successor BST | http://www.lintcode.com/en/problem/inorder-successor-in-binary-search-tree/ | iterative, recursive. | 23/12/2015 |

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| **题目** | **链接** | **备注** | **日期** |
| Remove Duplicates from Sorted List II |  |  |  |
| Reverse Linked List II |  |  |  |
| Merge Two Sorted Lists |  |  |  |
| Partition List |  |  |  |
| Sort List |  |  |  |
| Reorder List |  |  |  |
| Merge k Sorted Lists |  | Divide and Conquer |  |
| Copy List with Random Pointer |  |  |  |
| Convert Sorted List to Balanced Binary Search Tree |  |  |  |
| Linked List Cycle |  |  |  |
| Convert Binary Tree to Doubly Linked List |  |  |  |
| Reverse List Nodes in k-Groups |  |  |  |

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| **题目** | **链接** | **备注** | **日期** |
| Recover Rotated Sorted Array |  |  |  |
| Rotate String |  |  |  |
| Reverse Words in a String |  |  |  |
| Merge Sorted Array I/II |  |  |  |
| Median of Two Sorted Arrays |  |  |  |
| Maximum Subarray I |  |  |  |
| Maximum Subarray II |  |  |  |
| Maximum Subarray III |  | O(n^2\*k), O(nk) |  |
| Minimum Subarray |  | reverse sign, solve as maximum subarray |  |
| Subarray Sum |  |  |  |
| Best Time to Buy and Sell Stock I |  |  |  |
| Best Time to Buy and Sell Stock II |  |  |  |
| Best Time to Buy and Sell Stock III |  |  |  |
| Two sum |  | two pointers |  |
| Three sum |  |  |  |
| Four sum |  | hash table, O(n^2) not necessarily |  |
| K sum |  |  |  |
| Partition Array |  |  |  |
| Sort Colors |  |  |  |
| Sort Letters by Case |  |  |  |
| Interleaving Positive and Negative Numbers |  |  |  |

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| **题目** | **链接** | **备注** | **日期** |
| Min-Stack |  |  |  |
| Implement a queue by two stacks |  |  |  |
| Largest Rectangle in histogram |  | 递增栈 |  |
| Max Tree |  | 递减栈 |  |
| Rehashing |  |  |  |
| LRU Cache |  |  |  |
| Longest Consecutive Sequence |  |  |  |
| Subarray Sum |  |  |  |
| Copy List with Random Pointer |  |  |  |
| Anagrams |  |  |  |
| Median Number |  |  |  |
| Heapify |  |  |  |
| Merge K sorted List |  |  |  |
| Word Search II |  |  |  |