**LeetCode 252. Meeting Rooms**

[**https://leetcode.com/problems/meeting-rooms/**](https://leetcode.com/problems/meeting-rooms/)

[**https://www.lintcode.com/problem/920/description?fromId=265&\_from=collection**](https://www.lintcode.com/problem/920/description?fromId=265&_from=collection)

**自定义排序**

**Leetcode 253 Meeting Rooms II**

<https://leetcode.com/problems/meeting-rooms-ii/>

<https://www.lintcode.com/problem/919/>

扫描线

use the heap,

custom sort

1.Sort the given meetings by their start time.

2.Initialize a new min-heap and add the first meeting's ending time to the heap. We simply need to keep track of the ending times as that tells us when a meeting room will get free.

3.For every meeting room check if the minimum element of the heap i.e. the room at the top of the heap is free or not.

4.If the room is free, then we extract the topmost element and add it back with the ending time of the current meeting we are processing.

5.If not, then we allocate a new room and add it to the heap.

6.After processing all the meetings, the size of the heap will tell us the number of rooms allocated. This will be the minimum number of rooms needed to accommodate all the meetings.

**Leetcode 474 Ones and Zeroes**

<https://leetcode.com/problems/ones-and-zeroes/>

DP

**Leetcode 5. Longest Palindromic Substring**

<https://leetcode.com/problems/longest-palindromic-substring/>

<https://www.jiuzhang.com/problem/longest-palindromic-substring/>

基于中心点枚举的算法，时间复杂度 O(n^2)

基于动态规划的算法，时间复杂度 O(n^2)，但是会耗费额外的 O(n^2) 的空间复杂度

**Leetcode 134. Gas Station**

[**https://leetcode.com/problems/gas-station/**](https://leetcode.com/problems/gas-station/)

使用贪心算法

**FLAG 43 Leetcode 28. Implement strStr() (lintcode 594, 13)**

<https://leetcode.com/problems/implement-strstr/>

使用常规O(n^2) 方法：

<https://www.jiuzhang.com/problem/implement-strstr/>

使用 Rabin Carp O(n + m)：

<https://www.jiuzhang.com/problem/strstr-ii/>

**FLAG 42** **Leetcode 407. Trapping Rain Water II**

<https://www.jiuzhang.com/problem/trapping-rain-water-ii/>

**Leetcode 125. Valid Palindrome(lintcode 415)**

https://leetcode.com/problems/valid-palindrome/

<https://www.jiuzhang.com/problem/valid-palindrome/>

使用相向双指针，并且利用character操作判断字母数字和改变大小写

**private** boolean isSubPalindrome(String s, int left, int right) {

**while** (left < right) {

**if** (s.charAt(left) != s.charAt(right)) {

return **false**;

}

left++;

right--;

}

return **true**;

}

**Leetcode 516. Longest Palindromic Subsequence(667)**

<https://leetcode.com/problems/longest-palindromic-subsequence/>

<https://www.jiuzhang.com/problem/longest-palindromic-subsequence>

使用DP！

**Lintcode :1790 · Rotate String II**

<https://www.lintcode.com/problem/1790/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/rotate-string-ii/>

使用左右子串拼接！

TIP：<https://leetcode.com/problems/rotate-string/>

很巧妙！

**Lintcode 841 · String Replace**

<https://www.lintcode.com/problem/841/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/string-replace/>

Rabin Carp!

**Leetcode 680. Valid Palindrome II (891)**

<https://leetcode.com/problems/valid-palindrome-ii/>

<https://www.lintcode.com/problem/891/>

相向双指针，找到第一个不相同的字母对，去除一个后看子串是否为回文串

**Leetcode 1. Two Sum（56）**

<https://leetcode.com/problems/two-sum/>

经典双指针，利用hashmap 实现！

 public int[] twoSum(int[] numbers, int target) {

        // write your code here

         Map<Integer, Integer> map = new HashMap<>();

        for (int i = 0; i < numbers.length; i++) {

            int dif = target - numbers[i];

            if (map.containsKey(dif)) {

                return new int[]{map.get(dif), i};

            }

            map.put(numbers[i], i);

        }

       return null;

    }

双指针：

<https://www.jiuzhang.com/problem/two-sum/>

**Lintcode 609 · Two Sum - Less than or equal to target**

<https://www.lintcode.com/problem/609/>

<https://www.jiuzhang.com/problem/two-sum-less-than-or-equal-to-target/>

Tips:

<https://leetcode.com/problems/two-sum-less-than-k/>

**LeetCode 354. Russian Doll Envelopes(602)**

<https://leetcode.com/problems/russian-doll-envelopes/>

<https://www.lintcode.com/problem/602/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/russian-doll-envelopes/>

DP!LIS

**Leetcode 630. Course Schedule III（696）**

<https://leetcode.com/problems/course-schedule-iii/>

<https://www.lintcode.com/problem/696/description>

<https://www.jiuzhang.com/problem/course-schedule-iii/>

max-heap + 贪心

<https://www.lintcode.com/problem/6/>

<https://leetcode.com/problems/merge-two-sorted-lists/>

归并排序！

**Leetcode 215. Kth Largest Element in an Array**

<https://leetcode.com/problems/kth-largest-element-in-an-array/>

<https://www.lintcode.com/problem/5/>

<https://www.jiuzhang.com/problem/kth-largest-element/>

快速选择算法！（quick select）

**Leetcode 75. Sort Colors（148）**

<https://leetcode.com/problems/sort-colors/>

<https://www.lintcode.com/problem/148/>

<https://www.jiuzhang.com/problem/sort-colors/>

使用三个指针！

**LeetCode 191. Number of 1 Bits**

<https://leetcode.com/problems/number-of-1-bits/>

位运算

**Leetcode 4. Median of Two Sorted Arrays(65) 最强王者**

<https://leetcode.com/problems/median-of-two-sorted-arrays/>

<https://www.lintcode.com/problem/65/>

<https://www.jiuzhang.com/problem/median-of-two-sorted-arrays/>

merge sort + 归并+二分答案范围！

**Leetcode 509. Fibonacci Number 366**

<https://leetcode.com/problems/fibonacci-number/>

<https://www.lintcode.com/problem/366/>

<https://www.jiuzhang.com/problem/fibonacci/>

递推！记忆化递归！

**Leetcode 704. Binary Search 457**

递归版：

<https://leetcode.com/problems/binary-search/submissions/>

普通模板法！：

<https://www.lintcode.com/problem/457/>

<https://www.jiuzhang.com/problem/classical-binary-search/>

**Leetcode 170. Two Sum III - Data structure design 607**

<https://leetcode.com/problems/two-sum-iii-data-structure-design/>

<https://www.lintcode.com/problem/607/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/two-sum-iii-data-structure-design/>

OOD使用哈希！

**Lintcode 587 · Two Sum - Unique pairs**

<https://www.lintcode.com/problem/587/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/two-sum-unique-pairs/>

经典双指针！

**Leetcode 1342. Number of Steps to Reduce a Number to Zero**

<https://leetcode.com/problems/number-of-steps-to-reduce-a-number-to-zero/>

递归！

**Lintcode 771 · Double Factorial**

<https://www.lintcode.com/problem/771/description>

<https://www.jiuzhang.com/problem/double-factorial/>

普通递归，尾递归！

迭代

**Leetcode 190. Reverse Bits(1333)**

<https://leetcode.com/problems/reverse-bits/>

https://www.lintcode.com/problem/1333/description

<https://www.jiuzhang.com/problem/reverse-bits/>

普通递归，尾递归！

迭代

**Leetcode 630. Course Schedule III（696）**

<https://leetcode.com/problems/course-schedule-iii/>

<https://www.lintcode.com/problem/696/description>

<https://www.jiuzhang.com/problem/course-schedule-iii/>

max-heap + 贪心

<https://www.lintcode.com/problem/297/description>

https://www.jiuzhang.com/problem/find-the-maximum/

普通递归，尾递归！

迭代

**Lintcode 458 · Last Position of Target**

<https://www.lintcode.com/problem/458/>

<https://www.jiuzhang.com/problem/last-position-of-target>

使用九章的模板！

**FLAG 45 Lintcode 14 · First Position of Target**

<https://www.lintcode.com/problem/14/>

<https://www.jiuzhang.com/problem/first-position-of-target>

使用九章的模板！

**Leetcode 34. Find First and Last Position of Element in Sorted Array**

<https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/submissions/>

https://www.lintcode.com/problem/1536/

结合上面的两道题，两次二分！

**Lintcode 585 · Maximum Number in Mountain Sequence**

**Leetcode 630. Course Schedule III（696）**

<https://leetcode.com/problems/course-schedule-iii/>

<https://www.lintcode.com/problem/696/description>

<https://www.jiuzhang.com/problem/course-schedule-iii/>

max-heap + 贪心

<https://www.lintcode.com/problem/585/>

<https://leetcode.com/problems/peak-index-in-a-mountain-array/>

<https://www.jiuzhang.com/problem/maximum-number-in-mountain-sequence/>

二分法，判断山脉趋势，按照取数递归左边或者右边即可!

**Leetcode 268. Missing Number**

<https://leetcode.com/problems/missing-number/>

利用HashSet！

**Leetcode 15. 3Sum(57)**

<https://leetcode.com/problems/3sum/>

<https://www.lintcode.com/problem/57/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/3sum/>

使用twoSum的双指针方式！

**Lintcode 31 · Partition Array**

<https://www.lintcode.com/problem/31/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/partition-array/>

partition 算法，quick sort 的灵魂

**Leedcode 876. Middle of the Linked List(587)**

<https://leetcode.com/problems/middle-of-the-linked-list/>

<https://www.lintcode.com/problem/228/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/middle-of-linked-list/>

快慢指针，注意偶数时中点的定义！

**Leetcode 167. Two Sum II - Input Array Is Sorted**

<https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/>

<https://www.lintcode.com/problem/608/description?fromId=161&_from=collection>

Two Sum 双指针写法

**LeetCode 283. Move Zeroes(539)**

<https://leetcode.com/problems/move-zeroes/>

<https://www.lintcode.com/problem/539/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/move-zeroes/>

同向双指针，还有follow up

**Lintcode 533 · Two Sum - Closest to target**

<https://www.lintcode.com/problem/533/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/two-sum-closest-to-target/>

相向双指针！

**Lintcode 443 · Two Sum - Greater than target**

<https://www.lintcode.com/problem/443/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/two-sum-greater-than-target/>

相向双指针！

**Leecode 318. Maximum Product of Word Lengths**

<https://leetcode.com/problems/maximum-product-of-word-lengths/>

<https://www.jiuzhang.com/problem/maximum-product-of-word-lengths/>

位运算！

**Leetcode 1136. Parallel Courses**

<https://leetcode.com/problems/parallel-courses/>

拓扑排序！

**Lintcode 822 · Reverse Order Storage**

<https://www.lintcode.com/problem/822/description?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/reverse-order-storage/>

单向递归

**FLAG 47 Leetcode 24. Swap Nodes in Pairs(451)**

<https://leetcode.com/problems/swap-nodes-in-pairs/>

<https://www.lintcode.com/problem/451/description?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/swap-nodes-in-pairs/>

in place 或递归

**Lintcode 140 · Fast Power**

<https://www.lintcode.com/problem/140/description?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/fast-power/>

分治+快速幂+递归

**Lintcode 461 · Kth Smallest Numbers in Unsorted Array**

<https://www.lintcode.com/problem/461/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/kth-smallest-numbers-in-unsorted-array/>

快速选择算法！（quick select）

**Lintcode 382 · Triangle Count**

<https://www.lintcode.com/problem/382/?fromId=161&_from=collection>

Two Sum 变题，使用双指针，小+中>大

**Lintcode 144 · Interleaving Positive and Negative Numbers**

<https://www.lintcode.com/problem/144/description?fromId=161&_from=collection>

算法班[Chapter2.pdf](file:///D:\grad\%E4%B9%9D%E7%AB%A0\%E4%B9%9D%E7%AB%A0%E7%AE%97%E6%B3%95%E7%8F%AD\Chapter2.pdf) p41 – 42

Partition分离正负数，再交叉

**Lintcode 143 · Sort Colors II**

<https://www.lintcode.com/problem/143/description>

<https://www.jiuzhang.com/problem/sort-colors-ii/>

Chapter2.pdf p36

Partition

**Leetcode 18. 4Sum(58)**

<https://leetcode.com/problems/4sum/>

<https://www.lintcode.com/problem/58/>

<https://www.jiuzhang.com/problem/4sum/>

for a, b 的位置，c和d用 two sum 的双指针解法!

**Leetcode 454. 4Sum II(976)**

<https://leetcode.com/problems/4sum-ii/>

<https://www.lintcode.com/problem/976/>

<https://www.jiuzhang.com/problem/4sum-ii/>

使用哈希表！

**Leetcode 29. Divide Two Integers(414)**

<https://leetcode.com/problems/divide-two-integers/>

<https://www.lintcode.com/problem/414/>

<https://www.jiuzhang.com/problem/divide-two-integers/>

基本思路是利用减法, 看看被除数可以减去多少次除数.

使用倍增的思想优化, 可以将减法的次数优化到对数时间复杂度.

我们将除数左移一位(或者让它加上自己), 即得到了二倍的除数, 这时一次减法相当于减去了2个除数. 不断倍增, 时间效率很优秀.

与此同时还需要一个变量记录此时的除数是最初的除数的多少倍, 每次减法后都加到结果上即可.

**FLAG 41 Lintcode 237 · Missing Integer**

<https://www.lintcode.com/problem/237/description?fromId=284&_from=collection>

<https://www.jiuzhang.com/problem/missing-integer/>

[二进制/位运算](https://www.jiuzhang.com/problem/search?tags=er-jin-zhi-wei-yun-suan)[比特位操作](https://www.jiuzhang.com/problem/search?tags=bit-manipulation)

**FLAG 41 FLAG 42 Lintcode 1469 · Longest Path On The Tree 最强王者**

<https://www.lintcode.com/problem/1469/solution?fromId=284&_from=collection>

<https://www.jiuzhang.com/problem/longest-path-on-the-tree/>

考点：

Diameter of tree BFS

题解： 这是一道树的直径的模板题，做法如下： 首先从树的任一结点出发，用最短路算法找到离该结点最远的结点a 再从a出发，找到离a最远的结点小b，a->b就是树上最长路径（树的直径）。

**FLAG 41 leetcode 148. Sort List(98)**

<https://leetcode.com/problems/sort-list/>

<https://www.lintcode.com/problem/98/?fromId=284&_from=collection>

<https://www.jiuzhang.com/problem/sort-list/>

归并排序或快速排序！

**FLAG 41 leetcode 52. N-Queens II(34)**

<https://leetcode.com/problems/n-queens-ii/>

<https://www.lintcode.com/problem/34/?fromId=284&_from=collection>

<https://www.jiuzhang.com/problem/n-queens-ii/>

DFS暴力搜索！

**FLAG 41 Leetcode 711. Number of Distinct Islands II(804)**

<https://leetcode.com/problems/number-of-distinct-islands-ii/>

<https://www.lintcode.com/problem/804/solution?fromId=284&_from=collection>

<https://www.jiuzhang.com/problem/number-of-distinct-islands-ii/>

先用dfs或者bfs把每个岛屿都找出来，然后进行旋转比较

**Leetcode 1461. Check If a String Contains All Binary Codes of Size K**

<https://leetcode.com/problems/check-if-a-string-contains-all-binary-codes-of-size-k/>

利用hashset进行穷举

**Leetcode 658. Find K Closest Elements(460)**

<https://leetcode.com/problems/find-k-closest-elements/>

<https://www.lintcode.com/problem/460/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/find-k-closest-elements/>

采用的是二分法 + 双指针 二分法确定一个位置，左侧是 < target，右侧是 >= target 然后用两根指针从中间向两边走，依次找到最接近的 k 个数

算法Chapter3 p16

**Lintcode 169 · Tower of Hanoi**

<https://www.lintcode.com/problem/169/description>

<https://www.jiuzhang.com/problem/tower-of-hanoi/>

DFS+类似于inorder

**Lintcode 1300 · Bash Game**

<https://www.lintcode.com/problem/1300/description>

<https://www.jiuzhang.com/problem/nim-game/>

贪心 + 记忆化搜索 + 数学

**Leetcode 153. Find Minimum in Rotated Sorted Array(159)**

<https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/submissions/>

<https://www.lintcode.com/problem/159/?fromId=161&_from=collection>

算法Chapter3.pdf p25

二分，找到属于左边还是右边的部分

**Leetcode 162. Find Peak Element(75)**

<https://leetcode.com/problems/find-peak-element/>

<https://www.lintcode.com/problem/75/?fromId=161&_from=collection>

算法Chapter3.pdf p37

二分，在未排序的数组上进行！

**Lintcode 183 · Wood Cut**

<https://www.lintcode.com/problem/183/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/wood-cut/>

在答案集上二分！

算法Chapter3.pdf p41

**Leetcode 702. Search in a Sorted Array of Unknown Size(447)**

<https://leetcode.com/problems/search-in-a-sorted-array-of-unknown-size/>

任意一个

<https://www.lintcode.com/problem/447/description?fromId=161&_from=collection>

first target

倍增+二分查找

**Leetcode 33. Search in Rotated Sorted Array(62)**

<https://www.lintcode.com/problem/62/description?fromId=161&_from=collection>

<https://leetcode.com/problems/search-in-rotated-sorted-array/>

<https://www.jiuzhang.com/problem/search-in-rotated-sorted-array/>

两次二分 或 一次二分！

算法Chapter9.简约而不简单二分法的四重境界.pdf p30

**Leetcode 1480. Running Sum of 1d Array**

<https://leetcode.com/problems/running-sum-of-1d-array/>

前缀和！

**Leetcode 1197. Minimum Knight Moves**

<https://leetcode.com/problems/minimum-knight-moves/>

https://www.lintcode.com/problem/1084/description

BFS,DFS,DP

**Lintcode 97 · Maximum Depth of Binary Tree**

<https://www.lintcode.com/problem/97/solution>

二叉树分治

**Leetcode 654. Maximum Binary Tree(1106)**

<https://leetcode.com/problems/maximum-binary-tree/>

<https://www.lintcode.com/problem/1106/>

<https://www.jiuzhang.com/problem/maximum-binary-tree/>

递归+分治二叉树

**Leetcode 105. Construct Binary Tree from Preorder and Inorder Traversal(73)**

<https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/submissions/>

<https://www.lintcode.com/problem/73/description>

<https://www.jiuzhang.com/problem/construct-binary-tree-from-preorder-and-inorder-traversal/>

中序+前序+二叉树递归分治

**Leetcode 106. Construct Binary Tree from Inorder and Postorder Traversal(72)**

<https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/>

<https://www.lintcode.com/problem/72/>

中序+后序+二叉树递归分治

**Leetcode 889. Construct Binary Tree from Preorder and Postorder Traversal(1593)**

<https://leetcode.com/problems/construct-binary-tree-from-preorder-and-postorder-traversal/>

<https://www.lintcode.com/problem/1593/description>

<https://www.jiuzhang.com/problem/construct-binary-tree-from-preorder-and-postorder-traversal/>

前序+后序+二叉树递归分治（不唯一）注意边界

**LeetCode 78. Subsets(17)**

<https://leetcode.com/problems/subsets/>

<https://www.lintcode.com/problem/17/description>

<https://www.jiuzhang.com/problem/subsets/>

双向递归，或多项递归

**LeetCode 90. Subsets II(18)**

<https://leetcode.com/problems/subsets-ii/\>

<https://www.lintcode.com/problem/18/>

<https://www.jiuzhang.com/problem/subsets-ii/>

多向递归，加条件判断

**Leetcode 39. Combination Sum(135)**

<https://leetcode.com/problems/combination-sum/>

<https://www.jiuzhang.com/problem/combination-sum/>

多向递归 + 去重

**Leetcode 494. Target Sum(1208)**

<https://leetcode.com/problems/target-sum/>

<https://www.lintcode.com/problem/1208/description>

<https://www.jiuzhang.com/problem/target-sum/>

用DFS搜索所有的可能

**Leetcode 304. Range Sum Query 2D – Immutable**

<https://leetcode.com/problems/range-sum-query-2d-immutable/>

<https://www.jiuzhang.com/problem/range-sum-query-2d-immutable/>

DP

**Lintcode 492 · Implement Queue by Linked List**

<https://www.lintcode.com/problem/492/description>

<https://www.jiuzhang.com/problem/implement-queue-by-linked-list/>

OOD+数据结构设计

**LeetCode 337. House Robber III(535)**

<https://leetcode.com/problems/house-robber-iii/>

<https://www.lintcode.com/problem/535/description?fromId=285&_from=collection>

<https://www.jiuzhang.com/problem/house-robber-iii/>

DP 首先枚举是否抢第一个房子 考虑前若干个房子，记录抢最后一个房子或者不抢最后一个房子能抢到的最多的钱 然后交叉更新

**FLAG 42 Lintcode 405 · Submatrix Sum**

<https://www.lintcode.com/problem/405/?fromId=285&_from=collection>

<https://www.jiuzhang.com/problem/submatrix-sum/>

前缀和！

**FLAG 42 120. Triangle(109)**

<https://leetcode.com/problems/triangle/>

<https://www.lintcode.com/problem/109/?fromId=285&_from=collection>

<https://www.jiuzhang.com/problem/triangle/>

DP + 记忆化搜索

**Leetcode 51. N-Queens(33)**

<https://leetcode.com/problems/n-queens/>

<https://www.lintcode.com/problem/33/>

<https://www.jiuzhang.com/problem/n-queens/>

DFS（回溯法）

**Leetcode 102. Binary Tree Level Order Traversal(69)**

<https://leetcode.com/problems/binary-tree-level-order-traversal/>

<https://www.lintcode.com/problem/69/>

BFS + 三种方式实现！

**Lintcode 1179 · Friend Circles**

<https://www.lintcode.com/problem/1179/description>

<https://www.jiuzhang.com/problem/friend-circles/>

BFS+DFS+并查集

**Leetcode 2295. Replace Elements in an Array**

<https://leetcode.com/problems/replace-elements-in-an-array/>

hashmap

**Leetcode 2296. Design a Text Editor**

<https://leetcode.com/problems/design-a-text-editor/>

**OOD**

**Lintcode 630 · Knight Shortest Path II**

<https://www.lintcode.com/problem/630/>

<https://www.jiuzhang.com/problem/knight-shortest-path-ii/>

BFS+坐标型DP

**Leetcode 127. Word Ladder(120)**

<https://leetcode.com/problems/word-ladder/>

<https://www.lintcode.com/problem/120/description>

<https://www.jiuzhang.com/problem/word-ladder/>

BFS

**Leetcode 886. Possible Bipartition(1596)**

<https://leetcode.com/problems/possible-bipartition/>

<https://www.lintcode.com/problem/1596/description?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/possible-bipartition/>

DFS+图

**FLAG 45 Leetcode 124. Binary Tree Maximum Path Sum(94)**

<https://www.lintcode.com/problem/94/?fromId=111&_from=collection>

<https://leetcode.com/problems/binary-tree-maximum-path-sum/>

<https://www.jiuzhang.com/problem/binary-tree-maximum-path-sum/>

DFS+二叉树的分治

**Lintcode 246 · Binary Tree Path Sum II**

[**https://www.lintcode.com/problem/246/?fromId=111&\_from=collection**](https://www.lintcode.com/problem/246/?fromId=111&_from=collection)

[**https://www.jiuzhang.com/problem/binary-tree-path-sum-ii/**](https://www.jiuzhang.com/problem/binary-tree-path-sum-ii/)

DFS+二叉树的分治

**Leetcode 113. Path Sum II**

<https://leetcode.com/problems/path-sum-ii/>

<https://www.lintcode.com/problem/1357/description>

DFS + 二叉树的分治

**Leetcode 47. Permutations II(16)**

<https://leetcode.com/problems/permutations-ii/>

<https://www.lintcode.com/problem/16/>

<https://www.jiuzhang.com/problem/permutations-ii/>

递归+全排列+记忆

**Leetcode 60. Permutation Sequence(388)**

<https://leetcode.com/problems/permutation-sequence/>

<https://www.lintcode.com/problem/388/>

<https://www.jiuzhang.com/problem/permutation-sequence/>

递归+Stringbuilder 的使用

**Leetcode 31. Next Permutation(52)**

<https://leetcode.com/problems/next-permutation/submissions/>

<https://www.lintcode.com/problem/52/>

<https://www.jiuzhang.com/problem/next-permutation/>

排列经典问题！

**Leetcode 526. Beautiful Arrangement(990)**

<https://leetcode.com/problems/beautiful-arrangement/>

<https://www.lintcode.com/problem/990/>

<https://www.jiuzhang.com/problem/beautiful-arrangement/>

经典DFS

**Leetcode 160. Intersection of Two Linked Lists**

<https://leetcode.com/problems/intersection-of-two-linked-lists/>

双指针很巧妙！哈希

**FLAG 53 Leetcode 257. Binary Tree Paths(480)**

<https://leetcode.com/problems/binary-tree-paths/>

<https://www.lintcode.com/problem/480/>

<https://www.jiuzhang.com/problem/binary-tree-paths/>

DFS+分治+回溯

**Leetcode 110. Balanced Binary Tree(93)**

<https://leetcode.com/problems/balanced-binary-tree/>

<https://www.lintcode.com/problem/93/>

<https://www.jiuzhang.com/problem/balanced-binary-tree/>

DFS+分治+java输出多个值

**LeetCode 104. Maximum Depth of Binary Tree(97)**

<https://leetcode.com/problems/maximum-depth-of-binary-tree/>

<https://www.lintcode.com/problem/97/>

<https://www.jiuzhang.com/problem/maximum-depth-of-binary-tree/>

分治

**LeetCode 111. Minimum Depth of Binary Tree**

<https://leetcode.com/problems/minimum-depth-of-binary-tree/>

<https://www.jiuzhang.com/problem/minimum-depth-of-binary-tree/>

分治 + 注意与上面一道题对比

**Lintcode 628 · Maximum Subtree**

<https://www.lintcode.com/problem/628/solution>

<https://www.jiuzhang.com/problem/maximum-subtree/>

DFS+分治+java输出多个值

**Leetcode 88. Merge Sorted Array**

<https://leetcode.com/problems/merge-sorted-array/>

<https://www.lintcode.com/problem/64/description>

从尾到头双指针！

**Leetcode 173. Binary Search Tree Iterator(86)**

<https://leetcode.com/problems/binary-search-tree-iterator/>

<https://www.lintcode.com/problem/86/>

<https://www.jiuzhang.com/problem/binary-search-tree-iterator/>

不用递归的中序遍历，每日背诵

**Leetcode 270. Closest Binary Search Tree Value**

<https://leetcode.com/problems/closest-binary-search-tree-value/>

<https://www.lintcode.com/problem/900/description>

<https://www.jiuzhang.com/problem/closest-binary-search-tree-value/>

分治+二分的思想

**LeetCode 272. Closest Binary Search Tree Value II(901) 最强王者**

<https://leetcode.com/problems/closest-binary-search-tree-value-ii/>

<https://www.lintcode.com/problem/901/>

<https://www.jiuzhang.com/problem/closest-binary-search-tree-value-ii/>

二分中心开花结合(find k closet), heap, quick select快速选择， 九章？

**Leetcode 1151. Minimum Swaps to Group All 1's Together**

<https://leetcode.com/problems/minimum-swaps-to-group-all-1s-together/>

滑动窗口!

**FLAG 43 Leetcode 247. Strobogrammatic Number II(776)**

<https://leetcode.com/problems/strobogrammatic-number-ii/>

<https://www.lintcode.com/problem/776/?fromId=286&_from=collection>

<https://www.jiuzhang.com/problem/strobogrammatic-number-ii/>

递归+分类讨论

**FLAG 43 Leetcode 545. Boundary of Binary Tree(878)**

<https://leetcode.com/problems/boundary-of-binary-tree/>

<https://www.lintcode.com/problem/878/?fromId=286&_from=collection>

<https://www.jiuzhang.com/problem/boundary-of-binary-tree/>

三次DFS

**FLAG 43 FLAG58 LeetCode 378. Kth Smallest Element in a Sorted Matrix(1272)**

<https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/>

<https://www.lintcode.com/problem/1272/description?fromId=286&_from=collection>

<https://www.jiuzhang.com/problem/kth-smallest-element-in-a-sorted-matrix/>

在答案上二分

这个题的思路最重要的是，要找到第K小的数，也就是升序数组中排位第K的那个数，我们可以将问题转化为求数组中第一个满足条件的数，使得<=该数的总个数要大于等于k。 这里必须是大于等于。而不是等于。举个特例： 比如数组是[1,1,1,2,2,10,10](https://www.jiuzhang.com/problem/kth-smallest-element-in-a-sorted-matrix/), 我们要找第1小的数，也就是1. 下面分别是对数组中每个数和小于等于该数的个数的对应关系： 1, 3 (有3个数 <= 1) 2, 5 (有5个数 <= 2) 10, 7 (有7个数 <= 10) 按照以上的逻辑，我们要找到第一个小于等于该数的总数要大于等于1. 我们发现是1. 所以返回了1. 但是如果按照找到一个数使得小于等于该数的总数要==k， 就不对了，因为我们找不到任何一个数满足这个条件。所以就会出错。

**FLAG 43 LeetCode 296. Best Meeting Point(912)**

<https://leetcode.com/problems/best-meeting-point/>

<https://www.lintcode.com/problem/912/?fromId=286&_from=collection>

<https://www.jiuzhang.com/problem/best-meeting-point/>

降维+曼哈顿距离

**Lintcode 22 · Flatten List**

<https://www.lintcode.com/problem/22/?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/flatten-list/>

递归

**Leetcode 590. N-ary Tree Postorder Traversal(1525)**

<https://leetcode.com/problems/n-ary-tree-postorder-traversal/>

<https://www.lintcode.com/problem/1525/?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/n-ary-tree-postorder-traversal/>

递归或自己造栈

**Lintcode 10 · String Permutation II**

<https://www.lintcode.com/problem/10/?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/string-permutation-ii/>

做法同Permutations II，递归+Stringbuilder 的使用

**Lintcode 371 · Print Numbers by Recursion**

<https://www.lintcode.com/problem/371/?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/print-numbers-by-recursion/>

特殊递归！数学

**Leetcode 282. Expression Add Operators(653)**

<https://leetcode.com/problems/expression-add-operators/>

<https://www.lintcode.com/problem/653/?fromId=111&_from=collection>

<https://www.jiuzhang.com/problem/expression-add-operators/>

DFS+暴力搜索

**Leetcode 3. Longest Substring Without Repeating Characters(384)**

<https://leetcode.com/problems/longest-substring-without-repeating-characters/>

<https://www.lintcode.com/problem/384/>

<https://www.jiuzhang.com/problem/longest-substring-without-repeating-characters/>

同向双指针

**Lintcode 597 · Subtree with Maximum Average**

<https://www.lintcode.com/problem/597/>

<https://www.jiuzhang.com/problem/subtree-with-maximum-average/>

DFS+分治+java输出多个值

**Leetcode 1658. Minimum Operations to Reduce X to Zero**

<https://leetcode.com/problems/minimum-operations-to-reduce-x-to-zero/>

同向双指针

**Leetcode 200. Number of Islands(433)**

<https://leetcode.com/problems/number-of-islands/>

<https://www.lintcode.com/problem/433/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/number-of-islands/>

BFS求连通图

**LeetCode 2300. Successful Pairs of Spells and Potions**

<https://leetcode.com/problems/successful-pairs-of-spells-and-potions/>

二分

**LeetCode 2301. Match Substring After Replacement**

<https://leetcode.com/problems/match-substring-after-replacement/>

哈希+同向双指针

**LeetCode 2302. Count Subarrays With Score Less Than K**

<https://leetcode.com/problems/count-subarrays-with-score-less-than-k/>

滑动窗口+同向双指针

**Lintcode 611 · Knight Shortest Path**

<https://www.lintcode.com/problem/611/?fromId=161&_from=collection>

https://www.jiuzhang.com/problem/knight-shortest-path/

BFS直接扫。或者双向BFS？

**Lintcode 127 · Topological Sorting**

<https://www.lintcode.com/problem/127/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/topological-sorting/>

拓扑排序+BFS

**Leetcode 207. Course Schedule（615）**

<https://leetcode.com/problems/course-schedule/>

<https://www.lintcode.com/problem/615/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/course-schedule/>

拓扑排序+BFS+自建图

**FLAG 50 Leetcode 210. Course Schedule II(616)**

<https://leetcode.com/problems/course-schedule-ii/>

<https://www.lintcode.com/problem/616/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/course-schedule-ii/>

拓扑排序+BFS+自建图

**Leetcode 1695. Maximum Erasure Value**

<https://leetcode.com/problems/maximum-erasure-value/>

同向双指针，滑动窗口！

**Leetcode 444. Sequence Reconstruction(605)**

<https://leetcode.com/problems/sequence-reconstruction/>

<https://www.lintcode.com/problem/605/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/sequence-reconstruction/>

拓扑排序+BFS+自建图

**Leetcode 261. Graph Valid Tree(178)**

<https://leetcode.com/problems/graph-valid-tree/>

<https://www.lintcode.com/problem/178/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/graph-valid-tree/>

BFS+自建图

**Leetcode 269. Alien Dictionary(892)**

<https://leetcode.com/problems/alien-dictionary/>

<https://www.lintcode.com/problem/892/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/alien-dictionary/>

BFS+heap

**Lintcode 573 · Build Post Office II**

<https://www.lintcode.com/problem/573/?fromId=161&_from=collection>  
<https://www.jiuzhang.com/problem/build-post-office-ii/>

多源BFS + 逐层bfs

**Lintcode 596 · Minimum Subtree**

<https://www.lintcode.com/problem/596/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/minimum-subtree/>

DFS+分治+java输出多个值

**LeetCode 114. Flatten Binary Tree to Linked List(453)**

<https://leetcode.com/problems/flatten-binary-tree-to-linked-list/>

<https://www.lintcode.com/problem/453/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/flatten-binary-tree-to-linked-list/>

分治

**Leetcode 230. Kth Smallest Element in a BST(902)**

<https://leetcode.com/problems/kth-smallest-element-in-a-bst/>

<https://www.lintcode.com/problem/902/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/kth-smallest-element-in-bst/>

简单中序遍历

**Leetcode 236. Lowest Common Ancestor of a Binary Tree(88)**

<https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/>

<https://www.lintcode.com/problem/88/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/lowest-common-ancestor-of-a-binary-tree/>

分治

**Leetcode 42. Trapping Rain Water(363)**

<https://leetcode.com/problems/trapping-rain-water/>

<https://www.lintcode.com/problem/363/>

<https://www.jiuzhang.com/problem/trapping-rain-water/>

相向双指针

**LeetCode 583. Delete Operation for Two Strings**

<https://leetcode.com/problems/delete-operation-for-two-strings/>

<https://www.lintcode.com/problem/1156/>

<https://www.jiuzhang.com/problem/delete-operation-for-two-strings/>

DP！

**Leetcode 226. Invert Binary Tree**

<https://leetcode.com/problems/invert-binary-tree/>

<https://www.lintcode.com/problem/175/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/invert-binary-tree/>

**LeetCode 669. Trim a Binary Search Tree**

<https://leetcode.com/problems/trim-a-binary-search-tree/>

<https://www.lintcode.com/problem/701/>

<https://www.jiuzhang.com/problem/trim-a-binary-search-tree/>

分治+改变二叉树结构

**Leetcode 701. Insert into a Binary Search Tree（85）**

<https://leetcode.com/problems/insert-into-a-binary-search-tree/>

<https://www.lintcode.com/problem/85/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/insert-node-in-a-binary-search-tree/>

分治+插入二叉树

**FLAG 52 FLAG 54 Leetcode 98. Validate Binary Search Tree(95)**

<https://leetcode.com/problems/validate-binary-search-tree/>

<https://www.lintcode.com/problem/95/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/validate-binary-search-tree/>

分治+ResultType

**Lintcode 11 · Search Range in Binary Search Tree**

<https://www.lintcode.com/problem/175/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/search-range-in-binary-search-tree/>

遍历

**Lintcode 87 · Remove Node in Binary Search Tree**

<https://www.lintcode.com/problem/87/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/remove-node-in-binary-search-tree/>

删二叉树

**Leetcode 1048. Longest String Chain(257)**

<https://leetcode.com/problems/longest-string-chain/>

<https://www.lintcode.com/problem/257/>

<https://www.jiuzhang.com/problem/longest-string-chain/>

DP!

**Leetcode 527. Word Abbreviation(639)**

<https://leetcode.com/problems/word-abbreviation/>

<https://www.lintcode.com/problem/639/>

<https://www.jiuzhang.com/problem/word-abbreviation/>

哈希！

**FLAG 44 Leetcode 242. Valid Anagram**

<https://leetcode.com/problems/valid-anagram/>

<https://www.lintcode.com/problem/773/?fromId=287&_from=collection>

<https://www.jiuzhang.com/problem/vlid-anagram/>

排序后，注意Arrays的各种操作

**FLAG 44 Leetcode 205. Isomorphic Strings(638)**

<https://leetcode.com/problems/isomorphic-strings/>

<https://www.lintcode.com/problem/638/?fromId=287&_from=collection>

<https://www.jiuzhang.com/problem/isomorphic-strings/>

哈希！

**FLAG 44 Leetcode 539. Minimum Time Difference(1184)**

<https://leetcode.com/problems/minimum-time-difference/>

<https://www.lintcode.com/problem/1184/?fromId=287&_from=collection>

<https://www.jiuzhang.com/problem/1184-minimum-time-difference/>

模拟

**FLAG 44 Leetcode 1000. Minimum Cost to Merge Stones (1798)**

<https://leetcode.com/problems/minimum-cost-to-merge-stones/>

<https://www.lintcode.com/problem/1798/?fromId=287&_from=collection>

<https://www.jiuzhang.com/problem/minimum-cost-to-merge-stones/>

区间型DP!

**Lintcode 1457 · Search Subarray**

<https://www.lintcode.com/problem/1457/description>

前缀和+哈希！

**Leetcode 1644. Lowest Common Ancestor of a Binary Tree II(578)**

<https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree-ii/>

<https://www.lintcode.com/problem/578/>

<https://www.jiuzhang.com/problem/lowest-common-ancestor-iii/>

分治+LCA+java多结果

**Leetcode 1650. Lowest Common Ancestor of a Binary Tree III(578)**

<https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree-iii/>

<https://www.lintcode.com/problem/474/>

<https://www.jiuzhang.com/problem/lowest-common-ancestor-ii/>

LCA+定义parent

**FLAG 47 Leetcode 490. The Maze(787)**

<https://leetcode.com/problems/the-maze/>

<https://www.lintcode.com/problem/787/>

<https://www.jiuzhang.com/problem/the-maze/>

BFS直接扫

**LeetCode 505. The Maze II(788)**

<https://leetcode.com/problems/the-maze-ii/>

<https://www.lintcode.com/problem/788/>

<https://www.jiuzhang.com/problem/the-maze-ii/>

BFS + heap!注意进队是不能加visited, 只能出队才加

**Lintcode 816 · Traveling Salesman Problem 最强王者**

<https://www.lintcode.com/problem/816/>

<https://www.jiuzhang.com/problem/traveling-salesman-problem/>

DFS + DFS(pruning) + 状态压缩DP + 随机化算法（遗传 + 退火）；

**Leetcode 968. Binary Tree Cameras**

<https://leetcode.com/problems/binary-tree-cameras/>

DFS+分治!

**Lintcode 128 · Hash Function**

<https://www.lintcode.com/problem/128/>

<https://www.jiuzhang.com/problem/hash-function/>

**Lintcode 129 · Rehashing**

<https://www.lintcode.com/problem/129/>

<https://www.jiuzhang.com/problem/rehashing/>

**Lintcode 130 · Heapify**

<https://www.lintcode.com/problem/130/description>

<https://www.jiuzhang.com/problem/heapify/>

一种siftdown，一种shiftup

**Lintcode 463 · Sort Integers**

<https://www.lintcode.com/problem/463/description>

堆排序！note p41

**LeetCode 745. Prefix and Suffix Search**

<https://leetcode.com/problems/prefix-and-suffix-search/>

字典树

**Leetcode 495. Teemo Attacking(1207)**

<https://leetcode.com/problems/teemo-attacking/>

<https://www.lintcode.com/problem/1207/description>

对每次攻击与上次攻击的时间差与毒的持续时间进行对比，将较小值算入毒的持续时间即可。

**Leetcode 1268. Search Suggestions System**

<https://leetcode.com/problems/search-suggestions-system/>

字典树

**Leetcode 560. Subarray Sum Equals K**

<https://leetcode.com/problems/subarray-sum-equals-k/>

前缀和+哈希！

**Lintcode 90 · k Sum II**

<https://www.lintcode.com/problem/90/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/k-sum-ii/>

DP + DFS

**Lintcode 92 · Backpack**

<https://www.lintcode.com/problem/92/description>

<https://www.jiuzhang.com/problem/backpack/>

DP

**Lintcode 125 · Backpack II**

<https://www.lintcode.com/problem/125/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-ii/>

DP

**Lintcode 563 · Backpack V**

<https://www.lintcode.com/problem/563/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-v/>

DP

**Lintcode 800 · Backpack IX**

<https://www.lintcode.com/problem/800/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-ix/>

DP

**Lintcode 1538 · Card Game I634**

<https://www.lintcode.com/problem/1538/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/card-game-ii/>

DP

**Leecode 212. Word Search II 最强王者**

<https://leetcode.com/problems/word-search-ii/>

<https://www.lintcode.com/problem/132/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/word-search-ii/>

Trie + DFS

**LeetCode 126. Word Ladder II（121）**

<https://www.lintcode.com/problem/121/>

<https://leetcode.com/problems/word-ladder-ii/>

<https://www.jiuzhang.com/problem/word-ladder-ii/>

BFS + DFS

**Lintcode 1848 · Word Search III**

<https://www.lintcode.com/problem/1848/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/word-search-iii/>

Trie + DFS

**Leetcode 820. Short Encoding of Words(1390)**

<https://leetcode.com/problems/short-encoding-of-words/>

<https://www.lintcode.com/problem/1390/description>

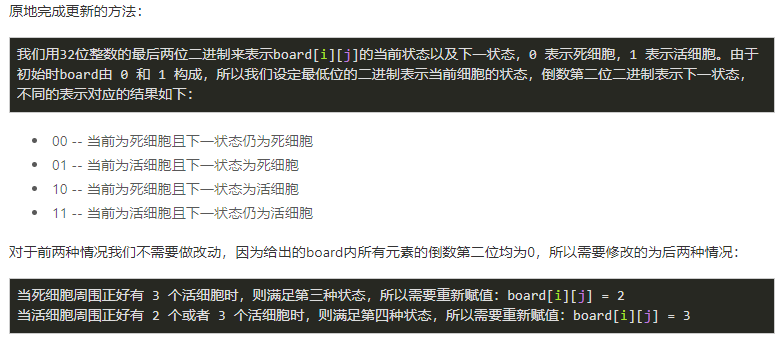
哈希或Trie

**Leetcode 289. Game of Life(1301)**

<https://leetcode.com/problems/game-of-life/>

<https://www.lintcode.com/problem/1301/>

<https://www.jiuzhang.com/problem/game-of-life/>



模拟

**Leetcode 1642. Furthest Building You Can Reach**

<https://leetcode.com/problems/furthest-building-you-can-reach/>

min-heap

**Lintcode 138 · Subarray Sum**

<https://www.lintcode.com/problem/138/?fromId=161&_from=collection>

前缀和

**Lintcode 685 · First Unique Number in Data Stream**

<https://www.lintcode.com/problem/685/?fromId=161&_from=collection>

哈希

**LeetCode 380. Insert Delete GetRandom O(1)(657)**

<https://leetcode.com/problems/insert-delete-getrandom-o1/>

<https://www.lintcode.com/problem/657/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/insert-delete-getrandom-o1/>

数组+哈希

**264. Ugly Number II(4)**

<https://leetcode.com/problems/ugly-number-ii/>

<https://www.lintcode.com/problem/4/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/ugly-number-ii/>

min-heap

**Leetcode 146. LRU Cache(134) 最强王者**

<https://leetcode.com/problems/lru-cache/>

<https://www.lintcode.com/problem/134/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/lru-cache/>

哈希+双链表+LinkedHashMap

**Lintcode 960 · First Unique Number in Data Stream II**

<https://www.lintcode.com/problem/960/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/first-unique-number-in-data-stream-ii/>

双向链表+哈希

**Lintcode 545 · Top k Largest Numbers II**

<https://www.lintcode.com/problem/545/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/top-k-largest-numbers-ii/>

minheap

**LeetCode 973. K Closest Points to Origin(612)**

<https://leetcode.com/problems/k-closest-points-to-origin/>

<https://www.lintcode.com/problem/612/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/k-closest-points/>

maxheap + 自定义heap

**Lintcode 532 · Reverse Pairs**

<https://www.lintcode.com/problem/532/>

<https://www.jiuzhang.com/problem/reverse-pairs/>

归并排序 merge sort

**LeetCode 1229. Meeting Scheduler**

<https://leetcode.com/problems/meeting-scheduler/>

heap

**Lintcode 544 · Top k Largest Numbers**

<https://www.lintcode.com/problem/544/?fromId=161&_from=collection>

heap

**Leetcode 11. Container With Most Water(383)**

<https://leetcode.com/problems/container-with-most-water/>

<https://www.lintcode.com/problem/383/>

<https://www.jiuzhang.com/problem/container-with-most-water/>

相向双指针

**Lintcode 486 · Merge K Sorted Arrays**

<https://www.lintcode.com/problem/486/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/merge-k-sorted-arrays/>

minheap

**Lintcode 171 · Anagrams**

<https://www.lintcode.com/problem/171/>

<https://www.jiuzhang.com/problem/anagrams/>

哈希

**Leetcode 128. Longest Consecutive Sequence(124)**

<https://leetcode.com/problems/longest-consecutive-sequence/>

<https://www.lintcode.com/problem/124/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-consecutive-sequence/>

哈希

**Leetcode 138. Copy List with Random Pointer(105)**

<https://leetcode.com/problems/copy-list-with-random-pointer/>

<https://www.lintcode.com/problem/105/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/copy-list-with-random-pointer/>

哈希类比克隆图

**Leetcode 381. Insert Delete GetRandom O(1) - Duplicates allowed(954)**

<https://leetcode.com/problems/insert-delete-getrandom-o1-duplicates-allowed/>

<https://www.lintcode.com/problem/954/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-consecutive-sequence/>

**Leetcode 630. Course Schedule III（696）**

<https://leetcode.com/problems/course-schedule-iii/>

<https://www.lintcode.com/problem/696/description>

<https://www.jiuzhang.com/problem/course-schedule-iii/>

max-heap + 贪心

**Lintcode 440 · Backpack III**

<https://www.lintcode.com/problem/440/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-iii/>

DP

**Lintcode 562 · Backpack IV**

<https://www.lintcode.com/problem/562/>

<https://www.jiuzhang.com/problem/backpack-iv/>

DP

**Lintcode 801 · Backpack X**

<https://www.lintcode.com/problem/801/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-x/>

DP

**Lintcode 749 · John's backyard garden**

<https://www.lintcode.com/problem/749/?fromId=92&_from=collection>

DP

**Lintcode 700 · Cutting a Rod**

<https://www.lintcode.com/problem/700/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/cutting-a-rod/>

DP

**LeetCode 322. Coin Change(669)**

<https://leetcode.com/problems/coin-change/>

<https://www.lintcode.com/problem/669/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/coin-change/>

DP

**LeetCode 62. Unique Paths(114)**

<https://leetcode.com/problemset/all/>

<https://www.lintcode.com/problem/114/?fromId=161&_from=collection>

DP

**LeetCode 1354. Construct Target Array With Multiple Sums**

<https://leetcode.com/problems/construct-target-array-with-multiple-sums/>

heap

**Lintcode 365 · Count 1 in Binary**

<https://www.lintcode.com/problem/365/?fromId=288&_from=collection>

简单位运算

**Lintcode 248 · Count of Smaller Number**

<https://www.lintcode.com/problem/248/?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/count-of-smaller-number/>

线段树+树状数组

**Lintcode 249 Count of Smaller Number before itself**

<https://www.lintcode.com/problem/249/?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/count-of-smaller-number-before-itself/>

线段树+树状数组

**Lintcode 206 · Interval Sum**

<https://www.lintcode.com/problem/206/?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/interval-sum/>

线段树+树状数组

**Lintcode 207 · Interval Sum II**

<https://www.lintcode.com/problem/207/>

<https://www.jiuzhang.com/problem/interval-sum-ii/>

线段树+树状数组

**Lintcode 205 · Interval Minimum Number**

<https://www.lintcode.com/problem/205/?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/interval-minimum-number/>

线段树

**LeetCode 63. Unique Paths II(115)**

<https://leetcode.com/problems/unique-paths-ii/>

<https://www.lintcode.com/problem/115/description>

<https://www.jiuzhang.com/problem/unique-paths-ii/>

坐标型DP

**LeetCode 55. Jump Game(116)**

<https://leetcode.com/problems/jump-game/>

<https://www.lintcode.com/problem/116/>

<https://www.jiuzhang.com/problem/jump-game/>

坐标型DP

**Leetcode 665. Non-decreasing Array(1099)**

<https://leetcode.com/problems/non-decreasing-array/>

<https://www.lintcode.com/problem/1099/description>

<https://www.jiuzhang.com/problem/non-decreasing-array/>

模拟

**FLAG 45 Leetcode 468. Validate IP Address(468)**

<https://leetcode.com/problems/validate-ip-address/>

<https://www.lintcode.com/problem/1222/description?fromId=288&_from=collection>

正则

**Leetcode 2316. Count Unreachable Pairs of Nodes in an Undirected Graph**

<https://leetcode.com/problems/count-unreachable-pairs-of-nodes-in-an-undirected-graph/>

Union find

**Leetcode 2317. Maximum XOR After Operations**

<https://leetcode.com/problems/maximum-xor-after-operations/>

位运算

**Leetcode 2318. Number of Distinct Roll Sequences**

<https://leetcode.com/problems/number-of-distinct-roll-sequences/>

DP

**Lintcode 724 · Minimum Partition**

<https://www.lintcode.com/problem/724/>

<https://www.jiuzhang.com/problem/minimum-partition/>

DP+0-1背包

**Lintcode 798 · Backpack VII**

<https://www.lintcode.com/problem/798/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-vii/>

DP

**Lintcode 799 · Backpack VIII**

<https://www.lintcode.com/problem/799/?fromId=92&_from=collection>

<https://www.jiuzhang.com/problem/backpack-viii/>

DP

**Leetcode 1423. Maximum Points You Can Obtain from Cards**

<https://leetcode.com/problems/maximum-points-you-can-obtain-from-cards/>

同向双指针

**FLAG 45 Lintcode 1648 · max substring**

<https://www.lintcode.com/problem/1648/?fromId=288&_from=collection>

<https://www.jiuzhang.com/problem/max-substring/>

**FLAG 45 Leetcode 839. Similar String Groups(1430)**

<https://leetcode.com/problems/similar-string-groups/>

<https://www.lintcode.com/problem/1430/?fromId=288&_from=collection>

<https://www.jiuzhang.com/problem/similar-string-groups/>

Union find + BFS

**Leetcode 1689. Partitioning Into Minimum Number Of Deci-Binary Numbers**

<https://leetcode.com/problems/partitioning-into-minimum-number-of-deci-binary-numbers/>

数学

**LeetCode 139. Word Break(107)**

<https://leetcode.com/problems/word-break/>

<https://www.lintcode.com/problem/107/>

<https://www.jiuzhang.com/problem/word-break/>

记忆化 + 划分型DP

**LeetCode 140. Word Break II(582)**

<https://leetcode.com/problems/word-break-ii/>

<https://www.lintcode.com/problem/582/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/word-break-ii/>

记忆化 + 划分型DP

**Lintcode 683 · Word Break III**

<https://www.lintcode.com/problem/683/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/word-break-iii/>

记忆化 + 划分型DP

**LeetCode 44. Wildcard Matching(192)**

<https://leetcode.com/problems/wildcard-matching/>

<https://www.lintcode.com/problem/192/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/wildcard-matching/>

记忆化+pdf

**LeetCode 291. Word Pattern II(829)**

<https://leetcode.com/problems/word-pattern-ii/>

<https://www.lintcode.com/problem/829/>

<https://www.jiuzhang.com/problem/word-pattern-ii/>

暴力DFS

**LeetCode 10. Regular Expression Matching(154)**

<https://leetcode.com/problems/regular-expression-matching/>

<https://www.lintcode.com/problem/154/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/regular-expression-matching/>

记忆化

**LeetCode 70. Climbing Stairs(111)**

<https://leetcode.com/problems/climbing-stairs/>

<https://www.lintcode.com/problem/111/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/climbing-stairs/>

记忆化

**Lintcode 272 · Climbing Stairs II**

<https://www.lintcode.com/problem/272/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/climbing-stairs-ii/>

记忆化

**LeetCode 1647. Minimum Deletions to Make Character Frequencies Unique**

<https://leetcode.com/problems/minimum-deletions-to-make-character-frequencies-unique/>

heap

**LeetCode 300. Longest Increasing Subsequence(76)**

<https://leetcode.com/problems/longest-increasing-subsequence/>

<https://www.lintcode.com/problem/76/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-increasing-subsequence/>

DP+注意followup，求路径

**Lintcode 398 · Longest Continuous Increasing Subsequence II**

<https://www.lintcode.com/problem/398/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-continuous-increasing-subsequence-ii/>

DP+pdf

**LeetCode 368. Largest Divisible Subset(603)**

<https://leetcode.com/problems/largest-divisible-subset/>

<https://www.lintcode.com/problem/603/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/largest-divisible-subset/>

DP

**Lintcode 397 · Longest Continuous Increasing Subsequence**

<https://www.lintcode.com/problem/397/?fromId=161&_from=collection>

<https://leetcode.com/problems/longest-continuous-increasing-subsequence/>

<https://www.jiuzhang.com/problem/longest-continuous-increasing-subsequence/>

简单遍历

**LeetCode 64. Minimum Path Sum (110)**

<https://leetcode.com/problems/minimum-path-sum/>

<https://www.lintcode.com/problem/110/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/minimum-path-sum/>

坐标型DP

**LeetCode 406. Queue Reconstruction by Height(1252)**

<https://leetcode.com/problems/queue-reconstruction-by-height/>

<https://www.lintcode.com/problem/1252/>

<https://www.jiuzhang.com/problem/queue-reconstruction-by-height/>

自定义排序 贪心

**LeetCode 1564. Put Boxes Into the Warehouse I**

<https://leetcode.com/problems/put-boxes-into-the-warehouse-i/>

贪心

**LeetCode 462. Minimum Moves to Equal Array Elements II(1226)**

<https://leetcode.com/problems/minimum-moves-to-equal-array-elements-ii/>

<https://www.lintcode.com/problem/1226/description>

<https://www.jiuzhang.com/problem/minimum-moves-to-equal-array-elements-ii/>

quick select

**Lintcode 610 · Two Sum - Difference equals to target**

<https://www.lintcode.com/problem/610/>

<https://www.jiuzhang.com/problem/two-sum-difference-equals-to-target/>

同向双指针

**Lintcode 1870 · Number of Substrings with All Zeroes**

<https://www.lintcode.com/problem/1870/>

<https://www.jiuzhang.com/problem/number-of-substrings-with-all-zeroes/>

同向双指针

**Lintcode 521 · Remove Duplicate Numbers in Array**

<https://www.lintcode.com/problem/521/description>

<https://www.jiuzhang.com/problem/remove-duplicate-numbers-in-array/>

同向双指针

**LeetCode 340. Longest Substring with At Most K Distinct Characters(386)**

<https://leetcode.com/problems/longest-substring-with-at-most-k-distinct-characters/>

<https://www.lintcode.com/problem/386/description>

<https://www.jiuzhang.com/problem/longest-substring-with-at-most-k-distinct-characters/>

哈希+同向双指针

**Lintcode 1375 · Substring With At Least K Distinct Characters**

<https://www.lintcode.com/problem/1375/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/substring-with-at-least-k-distinct-characters/>

哈希+同向双指针

**LeetCode 395. Longest Substring with At Least K Repeating Characters(1261)**

<https://leetcode.com/problems/longest-substring-with-at-least-k-repeating-characters/>

<https://www.lintcode.com/problem/1261/description>

<https://www.jiuzhang.com/problem/longest-substring-with-at-least-k-repeating-characters/>

**分治**

**Lintcode 1297 · Count of Smaller Numbers After Self**

<https://www.lintcode.com/problem/1297/description?fromId=110&_from=collection>

树状数组

**LeetCode 308. Range Sum Query 2D – Mutable(817)**

<https://leetcode.com/problems/range-sum-query-2d-mutable/>

<https://www.lintcode.com/problem/817/description?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/range-sum-query-2d-mutable/>

树状数组

**LeetCode 307. Range Sum Query - Mutable(840)**

<https://leetcode.com/problems/range-sum-query-mutable/>

<https://www.lintcode.com/problem/840/description?fromId=110&_from=collection>

<https://www.jiuzhang.com/problem/range-sum-query-mutable/>

树状数组

**FLAG 46 LeetCode 266. Palindrome Permutation**

<https://leetcode.com/problems/palindrome-permutation/>

哈希判断奇偶

**LeetCode 424. Longest Repeating Character Replacement(1246)**

<https://leetcode.com/problems/longest-repeating-character-replacement/>

<https://www.lintcode.com/problem/1246/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-repeating-character-replacement/>

同向双指针

**405**

**LeetCode 1710. Maximum Units on a Truck**

<https://leetcode.com/problems/maximum-units-on-a-truck/>

贪心

**LeetCode 141. Linked List Cycle(102)**

<https://leetcode.com/problems/linked-list-cycle/>

<https://www.lintcode.com/problem/102/description>

<https://www.jiuzhang.com/problem/linked-list-cycle/>

快慢指针

**FLAG 46 LeetCode 142. Linked List Cycle II(103)**

<https://leetcode.com/problems/linked-list-cycle-ii/>

<https://www.lintcode.com/problem/103/description>

<https://www.jiuzhang.com/problem/linked-list-cycle-ii/>

快慢指针

**LeetCode 160. Intersection of Two Linked Lists**

<https://leetcode.com/problems/intersection-of-two-linked-lists/>

<https://www.lintcode.com/problem/380/description>

快慢指针

**Lintcode 1343 · Sum of Two Strings**

<https://www.lintcode.com/problem/1343/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/sum-of-two-strings/>

类似于归并排序

**LeetCode 16. 3Sum Closest(59)**

<https://leetcode.com/problems/3sum-closest/>

<https://www.lintcode.com/problem/59/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/3sum-closest/>

固定一个指针，然后移动另外两个相向双指针

**LeetCode 21. Merge Two Sorted Lists**

<https://leetcode.com/problems/merge-two-sorted-lists/>

<https://www.lintcode.com/problem/1343/description?fromId=161&_from=collection>

归并排序

**LeetCode 50. Pow(x, n) (428)**

<https://leetcode.com/problems/powx-n/>

<https://www.lintcode.com/problem/428/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/powx-n/>

类似于快速幂

**Lintcode 1879 · Two Sum VII**

<https://www.lintcode.com/problem/1879/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/two-sum-vii/>

双指针

**Lintcode 465 · Kth Smallest Sum In Two Sorted Arrays**

<https://www.lintcode.com/problem/465/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/kth-smallest-sum-in-two-sorted-arrays/>

在答案集上二分

**LeetCode 1465. Maximum Area of a Piece of Cake After Horizontal and Vertical Cuts**

<https://leetcode.com/problems/maximum-area-of-a-piece-of-cake-after-horizontal-and-vertical-cuts/>

排序

**Lintcode 1158 · Plant flowers**

<https://www.lintcode.com/problem/1158/description?fromId=289&_from=collection>

<https://www.jiuzhang.com/problem/plant-flowers/>

数学

**LeetCode 74. Search a 2D Matrix(28)**

<https://leetcode.com/problems/search-a-2d-matrix/>

<https://www.lintcode.com/problem/28/description>

<https://www.jiuzhang.com/problem/search-a-2d-matrix/>

降维后二分

**Lintcode 38 · Search a 2D Matrix II**

<https://leetcode.com/problems/search-a-2d-matrix-ii/>

<https://www.lintcode.com/problem/38/description>

<https://www.jiuzhang.com/problem/search-a-2d-matrix-ii/>

批量处理，取左下角

**LeetCode 302. Smallest Rectangle Enclosing Black Pixels(600)**

<https://leetcode.com/problems/smallest-rectangle-enclosing-black-pixels/>

<https://www.lintcode.com/problem/600/description>

<https://www.jiuzhang.com/problem/smallest-rectangle-enclosing-black-pixels/>

四个方向二分

**FLAG 52 Lintcode 437 · Copy Books**

<https://www.lintcode.com/problem/437/description>

<https://www.jiuzhang.com/problem/copy-books/>

在答案集上二分

**Lintcode 438 · Copy Books II**

<https://www.lintcode.com/problem/438/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/copy-books-ii/>

二分答案

**LeetCode 374 · Spiral Matrix**

<https://leetcode.com/problems/spiral-matrix/submissions/>

模拟，数学

**LeetCode 2328. Number of Increasing Paths in a Grid**

<https://leetcode.com/problems/number-of-increasing-paths-in-a-grid/>

记忆化

**LeetCode 2327. Number of People Aware of a Secret**

<https://leetcode.com/problems/number-of-people-aware-of-a-secret/>

<https://leetcode.com/problems/number-of-people-aware-of-a-secret/discuss/2229982/JavaC%2B%2BPython-Sliding-window-O(n)-Time-O(forget)-Space>

DP

**FLAG 50 LeetCode 329. Longest Increasing Path in a Matrix(305) 最强王者**

<https://leetcode.com/problems/longest-increasing-path-in-a-matrix/>

<https://www.lintcode.com/problem/305/>

<https://www.jiuzhang.com/problem/longest-increasing-path-in-a-matrix/>

记忆化+BFS+拓扑

**FLAG 46 LeetCode 13. Roman to Integer(419)**

<https://leetcode.com/problems/roman-to-integer/>

<https://www.lintcode.com/problem/419/description?fromId=289&_from=collection>

模拟+初始化哈希

**FLAG 54 LeetCode 376. Wiggle Subsequence (1164)**

<https://leetcode.com/problems/wiggle-subsequence/>

<https://www.lintcode.com/problem/1164/>

<https://www.jiuzhang.com/problem/wiggle-subsequence/>

DP

**Leetcode 349. Intersection of Two Arrays(547)**

<https://leetcode.com/problems/intersection-of-two-arrays/>

<https://www.lintcode.com/problem/547/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/intersection-of-two-arrays/>

归并+二分+哈希

**Lintcode 462 · Total Occurrence of Target**

<https://www.lintcode.com/problem/462/?fromId=161&_from=collection>

二分

**Leetcode 278. First Bad Version(74)**

<https://leetcode.com/problems/first-bad-version/>

<https://www.lintcode.com/problem/74/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/first-bad-versio>

二分

**Lintcode 61 · Search for a Range**

<https://www.lintcode.com/problem/61/?fromId=161&_from=collection>

二分

**Lintcode 235 · Prime Factorization**

<https://www.lintcode.com/problem/235/description?fromId=161&_from=collection>

质因数分解

**Lintcode 931 · Median of K Sorted Arrays**

<https://www.lintcode.com/problem/931/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/median-of-k-sorted-arrays/>

二分答案

**FLAG 46 Leetcode 156. Binary Tree Upside Down(649)**

<https://leetcode.com/problems/binary-tree-upside-down/>

<https://www.lintcode.com/problem/649/description?fromId=289&_from=collection>

<https://www.jiuzhang.com/problem/binary-tree-upside-down/>

DFS

**FLAG 46 Lintcode 933 · Tuple Multiply**

<https://www.lintcode.com/problem/933/description?fromId=289&_from=collection>

<https://www.jiuzhang.com/problem/tuple-multiply/>

字符串处理+模拟

**Lintcode 845 · Greatest Common Divisor**

<https://www.lintcode.com/problem/845/>

辗转相除法

**Leetcode 135. Candy (412)**

<https://leetcode.com/problems/candy/>

<https://www.lintcode.com/problem/412/description>

<https://www.jiuzhang.com/problem/candy/>

贪心

**Lintcode 761 · Smallest Subset**

<https://www.lintcode.com/problem/761/description>

<https://www.jiuzhang.com/problem/smallest-subset/>

利用halfsum, 贪心

**Leetcode 297. Serialize and Deserialize Binary Tree(7)**

<https://leetcode.com/problems/serialize-and-deserialize-binary-tree/>

<https://www.lintcode.com/problem/7/description>

二叉数序列化和反序列化

**Lintcode 939 · Binary Tree Kth Floor Node**

<https://www.lintcode.com/problem/939/?fromId=161&_from=collection>

简单层序遍历， BFS

**Lintcode 624 · Remove Substrings**

<https://www.lintcode.com/problem/624/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/remove-substrings/>

BFS

**Lintcode 531 · Six Degrees**

<https://www.lintcode.com/problem/531/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/six-degrees/>

BFS

**Leetcode 107. Binary Tree Level Order Traversal II**

<https://leetcode.com/problems/binary-tree-level-order-traversal-ii/>

<https://www.lintcode.com/problem/70/?fromId=161&_from=collection>

简单层序遍历，bfs

**LeetCode 773. Sliding Puzzle(941)**

<https://leetcode.com/problems/sliding-puzzle/>

<https://www.lintcode.com/problem/941/description>

<https://www.jiuzhang.com/problem/sliding-puzzle/>

BFS+降维

**Leetcode 653. Two Sum IV - Input is a BST**

<https://leetcode.com/problems/two-sum-iv-input-is-a-bst/>

<https://www.lintcode.com/problem/689/description>

BFS + twosum

**FLAG 53 Leetcode 97. Interleaving String(29)**

<https://leetcode.com/problems/interleaving-string/>

<https://www.lintcode.com/problem/29/description>

<https://www.jiuzhang.com/problem/interleaving-string/>

DP

**Lintcode 197 · Permutation Index**

<https://www.lintcode.com/problem/197/description>

<https://www.jiuzhang.com/problem/permutation-index/>

某一个排列

**Lintcode 376 · Binary Tree Path Sum**

<https://www.lintcode.com/problem/376/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/binary-tree-path-sum/>

分治+DFS

**Lintcode 242 · Convert Binary Tree to Linked Lists by Depth**

<https://www.lintcode.com/problem/242/description?fromId=161&_from=collection>

简单BFS 或 DFS

**LeetCode 426. Convert Binary Search Tree to Sorted Doubly Linked List(1534)**

<https://leetcode.com/problems/convert-binary-search-tree-to-sorted-doubly-linked-list/>

<https://www.lintcode.com/problem/1534/description>

<https://www.jiuzhang.com/problem/convert-binary-search-tree-to-sorted-doubly-linked-list/>

DFS + 分治

**LeetCode 23. Merge k Sorted Lists(104)**

<https://leetcode.com/problems/merge-k-sorted-lists/>

<https://www.lintcode.com/problem/104/description?fromId=161&_from=collection>

**LeetCode 426. Convert Binary Search Tree to Sorted Doubly Linked List(1534)**

<https://leetcode.com/problems/convert-binary-search-tree-to-sorted-doubly-linked-list/>

<https://www.lintcode.com/problem/1534/description>

<https://www.jiuzhang.com/problem/convert-binary-search-tree-to-sorted-doubly-linked-list/>

DFS + 分治

**LeetCode 103. Binary Tree Zigzag Level Order Traversal(71)**

<https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/>

<https://www.lintcode.com/problem/71/description?fromId=161&_from=collection>

BFS +层序遍历

**Lintcode 472 · Binary Tree Path Sum III**

<https://www.lintcode.com/problem/472/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/binary-tree-path-sum-iii/>

嵌套DFS + 分治

**Leetcode 437. Path Sum III(1240)**

<https://leetcode.com/problems/path-sum-iii/>

<https://www.lintcode.com/problem/1240/description>

分治 + DFS

**Leetcode 510. Inorder Successor in BST II**

<https://leetcode.com/problems/inorder-successor-in-bst-ii/>

分类讨论

**Leetcode 1473. Paint House III**

<https://leetcode.com/problems/paint-house-iii/>

DP

**FLAG 47 Leetcode 761. Special Binary String(1047)**

<https://leetcode.com/problems/special-binary-string/>

<https://www.lintcode.com/problem/1047/description?fromId=290&_from=collection>

DFS

**Leetcode 37. Sudoku Solver(802)**

<https://leetcode.com/problems/sudoku-solver/>

<https://www.lintcode.com/problem/802/description>

<https://www.jiuzhang.com/problem/sudoku-solver/>

DFS

**Leetcode 387. First Unique Character in a String**

<https://leetcode.com/problems/first-unique-character-in-a-string/>

<https://www.lintcode.com/problem/209/description?fromId=161&_from=collection>

哈希

**Lintcode 915 · Inorder Predecessor in BST**

<https://www.lintcode.com/problem/915/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/inorder-predecessor-in-bst/>

BST查找

**Leetcode 232. Implement Queue using Stacks(40)**

<https://leetcode.com/problems/implement-queue-using-stacks/>

<https://www.lintcode.com/problem/40/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/implement-queue-by-two-stacks/>

两个栈

**Lintcode 606 · Kth Largest Element II**

<https://www.lintcode.com/problem/606/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/kth-largest-element-ii/>

minheap

**Leetcode 857. Minimum Cost to Hire K Workers(1512)**

<https://leetcode.com/problems/minimum-cost-to-hire-k-workers/>

<https://www.lintcode.com/problem/1512/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/minimum-cost-to-hire-k-workers/>

maxheap

**Leetcode 1696. Jump Game VI**

<https://leetcode.com/problems/jump-game-vi/>

DP + maxheap

**Leetcode 2337. Move Pieces to Obtain a String**

<https://leetcode.com/problems/move-pieces-to-obtain-a-string/>

模拟

**Leetcode 2338. Count the Number of Ideal Arrays**

**数学**

<https://leetcode.com/problems/count-the-number-of-ideal-arrays/>

**Lintcode 839 · Merge Two Sorted Interval Lists**

<https://www.lintcode.com/problem/839/description>

<https://www.jiuzhang.com/problem/merge-two-sorted-interval-lists/>

归并

**Lintcode 577 · Merge K Sorted Interval Lists**

<https://www.lintcode.com/problem/577/description>

<https://www.jiuzhang.com/problem/merge-k-sorted-interval-lists/>

归并 + 分治

**Leetcode 311. Sparse Matrix Multiplication(654)**

<https://leetcode.com/problems/sparse-matrix-multiplication/>

<https://www.lintcode.com/problem/654/description>

<https://www.jiuzhang.com/problem/sparse-matrix-multiplication/>

模拟

**FLAG 47 LeetCode 480. Sliding Window Median**

<https://leetcode.com/problems/sliding-window-median/>

<https://www.lintcode.com/problem/360/description?fromId=290&_from=collection>

<https://www.jiuzhang.com/problem/sliding-window-median/>

Hash

**LeetCode 746. Min Cost Climbing Stairs(1054)**

<https://leetcode.com/problems/min-cost-climbing-stairs/>

<https://www.lintcode.com/problem/1054/description>

<https://www.jiuzhang.com/problem/min-cost-climbing-stairs/>

坐标型dp

**Leetcode 346. Moving Average from Data Stream(642)**

<https://leetcode.com/problems/moving-average-from-data-stream/\>

<https://www.lintcode.com/problem/642/description?fromId=161&_from=collection>

队列

**Leetcode 225. Implement Stack using Queues(494)**

<https://leetcode.com/problems/implement-stack-using-queues/>

<https://www.lintcode.com/problem/494/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/implement-stack-by-two-queues/>

队列

**LeetCode 2248. Intersection of Multiple Arrays(793)**

<https://leetcode.com/problems/intersection-of-multiple-arrays/>

<https://www.lintcode.com/problem/793/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/intersection-of-arrays/>

哈希

**Leetcode 1086. High Five**

<https://leetcode.com/problems/high-five/>

<https://www.lintcode.com/problem/613/description?fromId=161&_from=collection>

哈希 + minheap

**Lintcode 224 · Implement Three Stacks by Single Array**

<https://www.lintcode.com/problem/224/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/implement-three-stacks-by-single-array/>

数组

**Leetcode 155. Min Stack(12)**

<https://leetcode.com/problems/min-stack/>

<https://www.lintcode.com/problem/12/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/min-stack/>

两个栈

**Leetcode 716. Max Stack（859）**

<https://leetcode.com/problems/max-stack/>

<https://www.lintcode.com/problem/859/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/max-stack/>

栈

**Leetcode 295. Find Median from Data Stream(81)**

<https://leetcode.com/problems/find-median-from-data-stream/>

<https://www.lintcode.com/problem/81/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/find-median-from-data-stream/>

minheap， maxheap

**LeetCode 199. Binary Tree Right Side View**

<https://leetcode.com/problems/binary-tree-right-side-view/>

<https://www.lintcode.com/problem/760/description>

DFS

**Leetcode 312. Burst Balloons(168)**

<https://leetcode.com/problems/burst-balloons/>

<https://www.lintcode.com/problem/168/>

<https://www.jiuzhang.com/problem/burst-balloons/>

区间型DP +pdf

**Lintcode 741 · Calculate Maximum Value II**

<https://www.lintcode.com/problem/741/description>

<https://www.jiuzhang.com/problem/calculate-maximum-value-ii/>

区间型DP

**Lintcode 680 · Split String**

<https://www.lintcode.com/problem/680/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/split-string/>

组合型DFS

**Lintcode 570 · Find the Missing Number II**

<https://www.lintcode.com/problem/570/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/find-the-missing-number-ii/>

DFS

**Leetcode 93. Restore IP Addresses(426)**

<https://leetcode.com/problems/restore-ip-addresses/>

<https://www.lintcode.com/problem/426/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/restore-ip-addresses/>

DFS

**Leetcode 40. Combination Sum II(153)**

<https://leetcode.com/problems/combination-sum-ii/>

<https://www.lintcode.com/problem/153/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/combination-sum-ii/>

DFS + 去重

**Leetcode 77. Combinations(152)**

<https://leetcode.com/problems/combinations/>

<https://www.lintcode.com/problem/152/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/combinations/>

DFS

**Leetcode 301. Remove Invalid Parentheses(780)**

<https://leetcode.com/problems/remove-invalid-parentheses/>

<https://www.lintcode.com/problem/780/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/remove-invalid-parentheses/>

DFS

**Leetcode 473. Matchsticks to Square(1220)**

<https://leetcode.com/problems/matchsticks-to-square/>

<https://www.lintcode.com/problem/1220/description>

<https://www.jiuzhang.com/problem/matchsticks-to-square/>

DFS

**Leetcode 425. Word Squares(634)**

<https://leetcode.com/problems/word-squares/>

<https://www.lintcode.com/problem/634/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/word-squares/>

DFS + 哈希

**Lintcode 623 · K Edit Distance**

<https://www.lintcode.com/problem/623/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/k-edit-distance/>

DFS + Trie

**Leetcode 481. Magical String**

<https://leetcode.com/problems/magical-string/>

<https://www.lintcode.com/problem/1215/description>

<https://www.jiuzhang.com/problem/magical-string/>

数学+同向双指针

**LeetCode 1143. Longest Common Subsequence(77)**

<https://leetcode.com/problems/longest-common-subsequence/>

<https://www.lintcode.com/problem/77/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-common-subsequence/>

匹配型DP + LCS

**FLAG 47 LeetCode 718. Maximum Length of Repeated Subarray(1073)**

<https://leetcode.com/problems/maximum-length-of-repeated-subarray/>

<https://www.lintcode.com/problem/1073/description?fromId=290&_from=collection>

<https://www.jiuzhang.com/problem/maximum-length-of-repeated-subarray/>

DP

**LeetCode 72. Edit Distance(119)**

<https://www.lintcode.com/problem/119/?fromId=161&_from=collection>

<https://www.lintcode.com/problem/77/?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/edit-distance/>

匹配型DP

**Leetcode 582. Kill Process(872)**

<https://leetcode.com/problems/kill-process/>

<https://www.lintcode.com/problem/872/description?showListFe=true&page=1&pageSize=50>

<https://www.jiuzhang.com/problem/kill-process/>

DFS + 哈希

**LeetCode 712. Minimum ASCII Delete Sum for Two Strings(1076)**

<https://leetcode.com/problems/minimum-ascii-delete-sum-for-two-strings/>

<https://www.lintcode.com/problem/1076/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/minimum-ascii-delete-sum-for-two-strings/>

匹配型DP + 转化为LCS

**LeetCode 123. Best Time to Buy and Sell Stock III(151)**

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iii/>

<https://www.lintcode.com/problem/151/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/best-time-to-buy-and-sell-stock-iii/>

DP

**LeetCode 403. Frog Jump(622)**

<https://leetcode.com/problems/frog-jump/>

<https://www.lintcode.com/problem/622/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/frog-jump/>

坐标型DP

**LeetCode 91. Decode Ways(512)**

<https://leetcode.com/problems/decode-ways/>

<https://www.lintcode.com/problem/512/>

<https://www.jiuzhang.com/problem/decode-ways/>

划分型DP

**Lintcode 254 · Drop Eggs**

<https://www.lintcode.com/problem/254/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/drop-eggs/>

数学

**Lintcode 593 · Stone Game II**

<https://www.lintcode.com/problem/593/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/stone-game-ii/>

**区间型DP**

**LeetCode 53. Maximum Subarray(41)**

<https://leetcode.com/problems/maximum-subarray/>

<https://www.lintcode.com/problem/41/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/maximum-subarray/>

前缀和

**LeetCode 45. Jump Game II(117)**

<https://leetcode.com/problems/jump-game-ii/>

<https://www.lintcode.com/problem/117/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/jump-game-ii/>

DP + 贪心

**Lintcode 762 · Longest Common Subsequence II**

<https://www.lintcode.com/problem/762/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/longest-common-subsequence-ii/>

LCS + DP

**LeetCode 639. Decode Ways II**

<https://leetcode.com/problems/decode-ways-ii/>

<https://www.lintcode.com/problem/676/description?fromId=161&_from=collection>

<https://www.jiuzhang.com/problem/decode-ways-ii/>

划分型DP

**LeetCode 695. Max Area of Island**

<https://leetcode.com/problems/max-area-of-island/>

BFS

**LeetCode 1182. Shortest Distance to Target Color**

<https://leetcode.com/problems/shortest-distance-to-target-color/>

**Leetcode 238. Product of Array Except Self(1310)**

<https://www.lintcode.com/problem/1310/solution?fromId=178&_from=collection>

<https://leetcode.com/problems/product-of-array-except-self/>

<https://www.jiuzhang.com/problem/product-of-array-except-self/>

前缀和

**Leetcode 576. Out of Boundary Paths**

<https://leetcode.com/problems/out-of-boundary-paths/>

记忆化 + DP

**Leetcode 1052. Grumpy Bookstore Owner(1849)**

<https://leetcode.com/problems/grumpy-bookstore-owner/>

<https://www.lintcode.com/problem/1849/>

<https://www.jiuzhang.com/problem/grumpy-bookstore-owner/>

滑动窗口

**Lintcode 1850 · Pick Apples**

<https://www.lintcode.com/problem/1850/description>

<https://www.jiuzhang.com/problem/pick-apples/>

隔板法

**FLAG 48 FLAG 50 Leetcode 910. Smallest Range II(1731)**

<https://leetcode.com/problems/smallest-range-ii/>

<https://www.lintcode.com/problem/1731/description?fromId=298&_from=collection>

<https://www.jiuzhang.com/problem/smallest-range-ii/>

数学

**Leetcode 629. K Inverse Pairs Array(1118)**

<https://leetcode.com/problems/k-inverse-pairs-array/>

<https://www.lintcode.com/problem/1118/description>

<https://www.jiuzhang.com/problem/k-inverse-pairs-array/>

DP

**Leetcode 121. Best Time to Buy and Sell Stock(149)**

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock/>

<https://www.lintcode.com/problem/149/description?fromId=178&_from=collection>

贪心

**Lintcode 391 · Number of Airplanes in the Sky**

<https://www.lintcode.com/problem/391/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/number-of-airplanes-in-the-sky/>

minheap + 自定义排序

**Leetcode 644. Maximum Average Subarray II(617)**

<https://leetcode.com/problems/maximum-average-subarray-ii/>

<https://www.lintcode.com/problem/617/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximum-average-subarray-ii/>

在答案集上二分

**Lintcode 194 · Find Words**

<https://www.lintcode.com/problem/194/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/find-words/>

在答案集上二分

**Leetcode 862. Shortest Subarray with Sum at Least K (1507）最强王者**

<https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/>

<https://www.lintcode.com/problem/1507/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/shortest-subarray-with-sum-at-least-k/>

二分 + 单调队列

**FLAG 48 LeetCode 214. Shortest Palindrome(678)**

<https://leetcode.com/problems/shortest-palindrome/>

<https://www.lintcode.com/problem/678/description?fromId=298&_from=collection>

<https://www.jiuzhang.com/problem/shortest-palindrome/>

回文串

**LeetCode 1074. Number of Submatrices That Sum to Target**

<https://leetcode.com/problems/number-of-submatrices-that-sum-to-target/>

二维前缀和

**FLAG 48 FLAG 51 LeetCode 85. Maximal Rectangle(510)**

<https://leetcode.com/problems/maximal-rectangle/>

<https://www.lintcode.com/problem/510/?fromId=298&_from=collection>

<https://www.jiuzhang.com/problem/maximal-rectangle/>

单调栈 + DP

**Lintcode 937 · How Many Problem Can I Accept**

<https://www.lintcode.com/problem/937/?showListFe=true&page=2&tagIds=396&ordering=-level&pageSize=50>

<https://www.jiuzhang.com/problem/how-many-problem-can-i-accept/>

二分

**LeetCode 475. Heaters(1219)**

<https://leetcode.com/problems/heaters/>

<https://www.lintcode.com/problem/1219/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/heaters/>

二分 + 同向双指针

**Lintcode 404 · Subarray Sum II**

<https://www.lintcode.com/problem/404/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/subarray-sum-ii/>

二分 + 同向双指针 + 前缀和

**FLAG 50 LeetCode 209. Minimum Size Subarray Sum(406)**

<https://leetcode.com/problems/minimum-size-subarray-sum/>

<https://www.lintcode.com/problem/406/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/minimum-size-subarray-sum/>

同向双指针

**LeetCode 76. Minimum Window Substring(32)**

<https://leetcode.com/problems/minimum-window-substring/>

<https://www.lintcode.com/problem/32/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/minimum-window-substring/>

同向双指针 + 哈希

**LeetCode 1901. Find a Peak Element II (390)**

<https://leetcode.com/problems/find-a-peak-element-ii/>

<https://www.lintcode.com/problem/390/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/find-peak-element-ii/>

二分 + 分治

**LeetCode 118. Pascal's Triangle**

<https://leetcode.com/problems/pascals-triangle/>

<https://www.lintcode.com/problem/1355/description>

数学

**Lintcode 1565 · Modern Ludo I**

<https://www.lintcode.com/problem/1565/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/1565-modern-ludo-i/>

SPFA

**Lintcode 677 · Number of Big Islands**

<https://www.lintcode.com/problem/677/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/number-of-big-islands/>

BFS

**Lintcode 261 · Maximum Connected Area 最强王者**

<https://www.lintcode.com/problem/261/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximum-connected-area/>

BFS

**Lintcode 1828 · Lake Escape**

<https://www.lintcode.com/problem/1828/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/lake-escape/>

BFS

**Leetcode 847. Shortest Path Visiting All Nodes(1422)**

<https://leetcode.com/problems/shortest-path-visiting-all-nodes/>

<https://www.lintcode.com/problem/1422/description?fromId=178&_from=collection>

<https://www.lintcode.com/problem/1422/solution/58811?fromId=178&_from=collection>

BFS + 状态压缩

**Lintcode 258 · Map Jump 最强王者**

<https://www.lintcode.com/problem/258/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/map-jump/>

二分 + SPFA + BFS

**LeetCode 792. Number of Matching Subsequences**

<https://leetcode.com/problems/number-of-matching-subsequences/>

<https://www.lintcode.com/problem/1024/description>

字符串问题

**LeetCode 513. Find Bottom Left Tree Value (1197)**

<https://leetcode.com/problems/find-bottom-left-tree-value/>

<https://www.lintcode.com/problem/1197/description?showListFe=true&page=1&pageSize=50>

<https://www.jiuzhang.com/problem/find-bottom-left-tree-value/>

分治 + DFS + BFS

**LeetCode 543. Diameter of Binary Tree(1181)**

<https://leetcode.com/problems/diameter-of-binary-tree/>

<https://www.lintcode.com/problem/1181/description>

<https://www.jiuzhang.com/problem/diameter-of-binary-tree/>

分治 + DFS + resultype

**FLAG 49 LeetCode 532. K-diff Pairs in an Array**

<https://leetcode.com/problems/k-diff-pairs-in-an-array/>

双指针

**LeetCode 92. Reverse Linked List II**

<https://leetcode.com/problems/reverse-linked-list-ii/>

<https://www.lintcode.com/problem/36/description>

<https://www.jiuzhang.com/problem/reverse-linked-list-ii/>

翻转链表

**Lintcode 560 · Friendship Service**

<https://www.lintcode.com/problem/560/?fromId=178&_from=collection>

TreeSet + 数据结构设计

**LeetCode 36. Valid Sudoku(389)**

<https://leetcode.com/problems/valid-sudoku/>

<https://www.lintcode.com/problem/389/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/valid-sudoku/>

哈希 + 模拟

**Lintcode 1691 · Best Time to Buy and Sell Stock V**

<https://www.lintcode.com/problem/1691/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/best-time-to-buy-and-sell-stock-v/>

贪心

**LeetCode 187. Repeated DNA Sequences**

<https://leetcode.com/problems/repeated-dna-sequences/>

<https://www.lintcode.com/problem/774/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/repeated-dna/>

哈希

**LeetCode 438. Find All Anagrams in a String (647)**

<https://leetcode.com/problems/find-all-anagrams-in-a-string/>

<https://www.lintcode.com/problem/647/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/find-all-anagrams-in-a-string/>

滑动窗口

**LeetCode 49. Group Anagrams**

<https://leetcode.com/problems/group-anagrams/>

<https://www.lintcode.com/problem/772/description?fromId=178&_from=collection>

排序 + 哈希

**LeetCode 288. Unique Word Abbreviation(648)**

<https://leetcode.com/problems/unique-word-abbreviation/>

<https://www.lintcode.com/problem/648/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/unique-word-abbreviation/>

哈希

**FLAG 49 Leetcode 787. Cheapest Flights Within K Stops(1029)**

<https://leetcode.com/problems/cheapest-flights-within-k-stops/>

<https://www.jiuzhang.com/problem/cheapest-flights-within-k-stops/>

SPFA + BFS

**Leetcode 1059. All Paths from Source Lead to Destination**

<https://leetcode.com/problems/all-paths-from-source-lead-to-destination/>

DFS

**Leetcode 86. Partition List**

<https://leetcode.com/problems/partition-list/>

模拟

**Lintcode 526 · Load Balancer**

<https://www.lintcode.com/problem/526/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/load-balancer/>

哈希 + 数组

**Leetcode 188. Best Time to Buy and Sell Stock IV(393) 最强王者**

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv/>

<https://www.lintcode.com/problem/393/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/best-time-to-buy-and-sell-stock-iv/>

DP + 股票模板 + corner case

**Leetcode 122. Best Time to Buy and Sell Stock II(150)**

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/>

<https://www.lintcode.com/problem/150/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/best-time-to-buy-and-sell-stock-ii/>

贪心

**Leetcode 336. Palindrome Pairs(775)**

<https://leetcode.com/problems/palindrome-pairs/>

<https://www.lintcode.com/problem/775/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/palindrome-pairs/>

Trie

**FLAG 49 Leetcode 336259. 3Sum Smaller**

<https://leetcode.com/problems/3sum-smaller/>

<https://www.lintcode.com/problem/918/description?fromId=299&_from=collection>

三指针

**Lintcode 1643 · Pick Fruits**

<https://www.lintcode.com/problem/1643/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/pick-fruits/>

滑动窗口

**Leetcode 774. Minimize Max Distance to Gas Station(848)**

<https://leetcode.com/problems/minimize-max-distance-to-gas-station/>

<https://www.lintcode.com/problem/848/description>

<https://www.jiuzhang.com/problem/minimize-max-distance-to-gas-station/>

在答案集上二分

**LeetCode 2354. Number of Excellent Pairs**

<https://leetcode.com/problems/number-of-excellent-pairs/>

位运算

**Lintcode 751 · John's business**

<https://www.lintcode.com/problem/751/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/johns-business/>

滑动窗口 + minheap + 线段树

**Lintcode 328 · String Partition**

<https://www.lintcode.com/problem/328/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/string-partition/>

贪心

**Lintcode 281 · Paint the Ceiling**

<https://www.lintcode.com/problem/281/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/paint-the-ceiling/>

相向双指针

**FLAG 49 LeetCode 330. Patching Array(1290)**

<https://leetcode.com/problems/patching-array/>

<https://www.lintcode.com/problem/1290/description?fromId=299&_from=collection>

<https://www.jiuzhang.com/problem/patching-array/>

贪心

**Lintcode 1900 · Gene Similarity**

<https://www.lintcode.com/problem/1900/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/gene-similarity/>

同向双指针

**Lintcode 1139 · the kth subarray**

<https://www.lintcode.com/problem/1139/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/the-kth-subarray/>

同向双指针 + 在答案集上二分

**Lintcode 293 · The depth of the tunnel**

<https://www.lintcode.com/problem/293/description?showListFe=true&page=2&tagIds=396&pageSize=50>

<https://www.jiuzhang.com/problem/the-depth-of-the-tunnel/>

二分答案

**Lintcode 1832 · Minimum Step**

<https://www.lintcode.com/problem/1832/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/minimum-step/>

BFS

**Lintcode 1628 · Driving problem**

<https://www.lintcode.com/problem/1628/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/driving-problem/>

BFS

**Leetcode 417. Pacific Atlantic Water Flow(778)**

<https://leetcode.com/problems/pacific-atlantic-water-flow/>

<https://www.lintcode.com/problem/778/description?fromId=178&_from=collection>

从边缘往内部bfs

**FLAG 49 Leetcode 460. LFU Cache**

<https://leetcode.com/problems/lfu-cache/>

<https://leetcode.com/problems/lfu-cache/discuss/94521/JAVA-O(1)-very-easy-solution-using-3-HashMaps-and-LinkedHashSet>

linked HashSet

**Leetcode 314. Binary Tree Vertical Order Traversal(651)**

<https://leetcode.com/problems/binary-tree-vertical-order-traversal/>

<https://www.lintcode.com/problem/651/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/binary-tree-vertical-order-traversal/>

TreeMap + BFS

**Lintcode 574 · Build Post Office**

<https://www.lintcode.com/problem/574/solution?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/build-post-office/>

数学 + 曼哈顿距离 + 降维

**Leetcode 305. Number of Islands II(434)**

<https://leetcode.com/problems/number-of-islands-ii/>

<https://www.lintcode.com/problem/434/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/number-of-islands-ii/>

Union find

**Lintcode 950 · Sliding Puzzle III**

<https://www.lintcode.com/problem/950/description?fromId=178&_from=collection>

BFS + 降维

**Leetcode 499. The Maze III**

<https://leetcode.com/problems/the-maze-iii/submissions/>

<https://www.lintcode.com/problem/789/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/the-maze-iii/>

SPFA + BFS

**Lintcode 1516 · Xor Sum**

<https://www.lintcode.com/problem/1516/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/xor-sum/>

两次BFS

**FLAG 50 Leetcode 367. Valid Perfect Square**

<https://leetcode.com/problems/valid-perfect-square/>

<https://www.lintcode.com/problem/305/description?fromId=308&_from=collection>

二分

**FLAG 50 Lintcode 270 · Letter Combinations of a Phone Number II**

<https://www.lintcode.com/problem/270/?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/letter-combinations-of-a-phone-number-ii/>

Trie 字典树

**FLAG 50 Leetcode 112. Path Sum（1358）**

<https://leetcode.com/problems/path-sum/>

<https://www.lintcode.com/problem/1358/description?fromId=308&_from=collection>

分治 + DFS

**FLAG 50 Leetcode 1293. Shortest Path in a Grid with Obstacles Elimination(1723)**

<https://leetcode.com/problems/shortest-path-in-a-grid-with-obstacles-elimination/>

<https://www.lintcode.com/problem/1723/?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/shortest-path-in-a-grid-with-obstacles-elimination/>

BFS

**FLAG 50 Leetcode 255. Verify Preorder Sequence in Binary Search Tree(1307)**

<https://leetcode.com/problems/verify-preorder-sequence-in-binary-search-tree/>

<https://www.lintcode.com/problem/1307/description?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/verify-preorder-sequence-in-binary-search-tree/>

用栈模拟中序

**FLAG 50 Leetcode 227. Basic Calculator II(980)**

<https://leetcode.com/problems/basic-calculator-ii/>

<https://www.lintcode.com/problem/980/description?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/basic-calculator-ii/>

计算器问题 + 用栈模拟

**FLAG 50 Leetcode 394. Decode String（575）**

<https://leetcode.com/problems/decode-string/>

<https://www.lintcode.com/problem/575/description?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/decode-string/>

用栈模拟

**FLAG 50 Leetcode 772. Basic Calculator III(849)**

<https://leetcode.com/problems/basic-calculator-iii/>

<https://www.lintcode.com/problem/849/description?fromId=308&_from=collection>

<https://www.jiuzhang.com/problem/basic-calculator-iii/>

计算器问题 + 用栈模拟

**LeetCode 416. Partition Equal Subset Sum(588)**

<https://leetcode.com/problems/partition-equal-subset-sum/>

<https://www.lintcode.com/problem/588/>

DP + 01背包

**LeetCode 890. Find and Replace Pattern**

<https://leetcode.com/problems/find-and-replace-pattern/>

<https://www.lintcode.com/problem/1592/>

哈希

**LeetCode 251. Flatten 2D Vector(601)**

<https://leetcode.com/problems/flatten-2d-vector/>

<https://www.lintcode.com/problem/601/description>

<https://www.jiuzhang.com/problem/flatten-2d-vector/>

迭代器设计

**LeetCode 663. Equal Tree Partition(864)**

<https://leetcode.com/problems/equal-tree-partition/>

<https://www.lintcode.com/problem/864/>

<https://www.jiuzhang.com/problem/equal-tree-partition/>

DFS + 分治

**LeetCode 22. Generate Parentheses**

<https://leetcode.com/problems/generate-parentheses/>

<https://www.lintcode.com/problem/427/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/generate-parentheses/>

DFS

**Lintcode 291 · Second Diameter**

<https://www.lintcode.com/problem/291/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/second-diameter/>

数的直径 + BFS

**Lintcode 262 · heir tree**

<https://www.lintcode.com/problem/262/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/heir-tree/>

多叉树的遍历 + 数据结构设计

**LeetCode 1413. Minimum Value to Get Positive Step by Step Sum**

<https://leetcode.com/problems/minimum-value-to-get-positive-step-by-step-sum/>

贪心

**Leetcode 443. String Compression**

<https://leetcode.com/problems/string-compression/>

<https://www.lintcode.com/problem/213/description>

<https://www.jiuzhang.com/problem/string-compression/>

模拟

**Lintcode 20 · Dices Sum**

<https://www.lintcode.com/problem/20/description>

<https://www.jiuzhang.com/problem/dices-sum/>

概率型DP

**LeetCode 688. Knight Probability in Chessboard（1084）**

<https://leetcode.com/problems/knight-probability-in-chessboard/>

<https://www.lintcode.com/problem/1084/description>

<https://www.jiuzhang.com/problem/knight-probability-in-chessboard/>

概率型DP

**LeetCode 916. Word Subsets**

<https://leetcode.com/problems/word-subsets/>

<https://www.lintcode.com/problem/1726/description>

子集问题

**LeetCode 256. Paint House**

<https://leetcode.com/problems/paint-house/>

<https://www.lintcode.com/problem/515/?fromId=161&_from=collection>

DP

**Leetcode 735. Asteroid Collision**

<https://leetcode.com/problems/asteroid-collision/>

<https://www.lintcode.com/problem/1001/>

<https://www.jiuzhang.com/problem/asteroid-collision/>

栈模拟

**Leetcode 43. Multiply Strings**

<https://leetcode.com/problems/multiply-strings/>

<https://www.lintcode.com/problem/656/>

<https://www.jiuzhang.com/problem/multiply-strings/>

模拟 + 乘法竖式计算

**Leetcode 169. Majority Element**

<https://leetcode.com/problems/majority-element/>

<https://www.lintcode.com/problem/46/>

哈希

**LeetCode 2115. Find All Possible Recipes from Given Supplies**

<https://leetcode.com/problems/find-all-possible-recipes-from-given-supplies/>

拓扑排序

**Leetcode 309. Best Time to Buy and Sell Stock with Cooldown**

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-cooldown/>

<https://www.lintcode.com/problem/995/>

<https://www.jiuzhang.com/problem/best-time-to-buy-and-sell-stock-with-cooldown/>

DP

**Leetcode 2358. Maximum Number of Groups Entering a Competition**

<https://leetcode.com/problems/maximum-number-of-groups-entering-a-competition/>

贪心

**Leetcode 2359. Find Closest Node to Given Two Nodes**

<https://leetcode.com/problems/find-closest-node-to-given-two-nodes/>

BFS

**Leetcode 2360. Longest Cycle in a Graph**

<https://leetcode.com/problems/longest-cycle-in-a-graph/>

判断图里是否有环 DFS

**Leetcode 844. Backspace String Compare**

<https://leetcode.com/problems/backspace-string-compare/>

<https://www.lintcode.com/problem/1425/>

<https://www.jiuzhang.com/problem/backspace-string-compare/>

栈或双指针

**Leetcode 1326. Minimum Number of Taps to Open to Water a Garden**

<https://leetcode.com/problems/minimum-number-of-taps-to-open-to-water-a-garden/>

贪心

**FLAG 51 LeetCode 109. Convert Sorted List to Binary Search Tree**

<https://leetcode.com/problems/convert-sorted-list-to-binary-search-tree/>

<https://www.lintcode.com/problem/106/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/convert-sorted-list-to-binary-search-tree/>

DFS + 分治 + 快慢指针

**LeetCode 489. Robot Room Cleaner(1514)**

<https://leetcode.com/problems/robot-room-cleaner/>

<https://www.lintcode.com/problem/1514/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/robot-room-cleaner/>

手动回溯 + DFS

**LeetCode 484. Find Permutation**

<https://leetcode.com/problems/find-permutation/>

<https://www.lintcode.com/problem/884/>

<https://www.jiuzhang.com/problem/find-permutation/>

贪心

**LeetCode 366. Find Leaves of Binary Tree（650）**

<https://leetcode.com/problems/find-leaves-of-binary-tree/>

<https://www.lintcode.com/problem/650/description>

<https://www.jiuzhang.com/problem/find-leaves-of-binary-tree/>

DFS + 分治 + 哈希

**Lintcode 815 · Course Schedule IV**

<https://www.lintcode.com/problem/815/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/course-schedule-iv/>

DFS + 拓扑

**LeetCode 87. Scramble String（430）最强王者**

<https://leetcode.com/problems/scramble-string/>

<https://www.lintcode.com/problem/430/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/scramble-string/>

DFS + 剪枝 + 记忆化

**LeetCode 729. My Calendar I**

<https://leetcode.com/problems/my-calendar-i/>

<https://www.lintcode.com/problem/1065/description>

模拟 + TreeMap

**FLAG 51 LeetCode 474. Ones and Zeroes**

<https://leetcode.com/problems/ones-and-zeroes/>

<https://www.lintcode.com/problem/668/description?fromId=310&_from=collection>

<https://www.jiuzhang.com/problem/ones-and-zeroes/>

DP + 二重背包

**FLAG 51 LeetCode 149. Max Points on a Line（186）**

<https://leetcode.com/problems/max-points-on-a-line/>

<https://www.lintcode.com/problem/186/description?fromId=310&_from=collection>

<https://www.jiuzhang.com/problem/max-points-on-a-line/>

哈希 + 计算几何

**LeetCode 1269. Number of Ways to Stay in the Same Place After Some Steps(1827)**

<https://leetcode.com/problems/number-of-ways-to-stay-in-the-same-place-after-some-steps/>

<https://www.lintcode.com/problem/1827/?fromId=178&_from=collection>

坐标型DP + pdf冲

**LeetCode 858. Mirror Reflection(1511)**

<https://leetcode.com/problems/mirror-reflection/>

<https://www.lintcode.com/problem/1511/description>

<https://www.jiuzhang.com/problem/mirror-reflection/>

数学

**LeetCode 940. Distinct Subsequences II（1702）**

<https://leetcode.com/problems/distinct-subsequences-ii/>

<https://www.lintcode.com/problem/1702/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/distinct-subsequences-ii/>

坐标型DP

**LeetCode 879. Profitable Schemes(1607)**

<https://leetcode.com/problems/profitable-schemes/>

<https://www.lintcode.com/problem/1607/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/profitable-schemes/>

背包型DP

**LeetCode 377. Combination Sum IV**

<https://leetcode.com/problems/combination-sum-iv/>

<https://www.lintcode.com/problem/564/description>

<https://www.jiuzhang.com/problem/combination-sum-iv/>

背包型DP

**LeetCode 458. Poor Pigs**

<https://leetcode.com/problems/poor-pigs/>

<https://www.lintcode.com/problem/1228/description>

<https://www.jiuzhang.com/problem/poor-pigs/>

数学

**LeetCode 1220. Count Vowels Permutation**

<https://leetcode.com/problems/count-vowels-permutation/>

DP

**Lintcode 444 · graph valid tree II**

<https://www.lintcode.com/problem/444/>

<https://www.jiuzhang.com/problem/graph-valid-tree-ii/>

并查集

**Lintcode 589 · Connecting Graph**

<https://www.lintcode.com/problem/589/>

<https://www.jiuzhang.com/problem/connecting-graph/>

并查集

**Lintcode 590 · Connecting Graph II**

<https://www.lintcode.com/problem/590/description>

并查集 + pdf

**Lintcode 591 · Connecting Graph III**

<https://www.lintcode.com/problem/591/?fromId=178&_from=collection>

并查集 + pdf

**Leetcode 823. Binary Trees With Factors(1387)**

<https://leetcode.com/problems/binary-trees-with-factors/>

<https://www.lintcode.com/problem/1387/description>

<https://www.jiuzhang.com/problem/binary-trees-with-factors/>

DP

**Leetcode 108. Convert Sorted Array to Binary Search Tree**

<https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/>

<https://www.lintcode.com/problem/1359/description>

DFS + 分治

**Leetcode 211. Design Add and Search Words Data Structure(473)**

<https://leetcode.com/problems/design-add-and-search-words-data-structure/>

<https://www.lintcode.com/problem/473/>

字典树Trie pdf

**Lintcode 333 · Identifying Strings**

<https://www.lintcode.com/problem/333/>

<https://www.jiuzhang.com/problem/identifying-strings/>

字典树Trie pdf

**Lintcode 442 · Implement Trie (Prefix Tree)**

[**https://leetcode.com/problems/implement-trie-prefix-tree/description/**](https://leetcode.com/problems/implement-trie-prefix-tree/description/)

<https://www.lintcode.com/problem/442/>

<https://www.jiuzhang.com/problem/implement-trie-prefix-tree/>

字典树Trie pdf

**FLAG 52 Lintcode 1855 · Reach Destination**

<https://www.lintcode.com/problem/1855/description?fromId=311&_from=collection>

<https://www.jiuzhang.com/problem/reach-destination/>

BFS

**Leetcode 30. Substring with Concatenation of All Words(1362）**

<https://leetcode.com/problems/substring-with-concatenation-of-all-words/>

<https://www.lintcode.com/problem/1362/description>

<https://www.jiuzhang.com/problem/substring-with-concatenation-of-all-words/>

滑动窗户

**FLAG 52 Leetcode 683. K Empty Slots（861）**

<https://leetcode.com/problems/k-empty-slots/>

<https://www.lintcode.com/problem/861/description?fromId=311&_from=collection>

<https://www.jiuzhang.com/problem/k-empty-slots/>

贪心

**FLAG 52 Lintcode 139 · Subarray Sum Closest**

<https://www.lintcode.com/problem/139/description?fromId=311&_from=collection>

<https://www.jiuzhang.com/problem/subarray-sum-closest/>

自定义排序

**Lintcode 1890 · Form Minimum Number**

<https://leetcode.com/problems/construct-smallest-number-from-di-string/>

<https://www.lintcode.com/problem/1890/>

<https://www.jiuzhang.com/problem/form-minimum-number/>

模拟

**Lintcode 285 · Tall Building**

<https://www.lintcode.com/problem/285/>

<https://www.jiuzhang.com/problem/tall-building/>

单调栈

**Lintcode 1852 · Final Discounted Price**

<https://www.lintcode.com/problem/1852/description>

<https://www.jiuzhang.com/problem/final-discounted-price/>

单调栈

**Leetcode 239. Sliding Window Maximum(362)**

<https://leetcode.com/problems/sliding-window-maximum/>

<https://www.lintcode.com/problem/362/>

<https://www.jiuzhang.com/problem/sliding-window-maximum/>

单调队列

**Leetcode 1570. Dot Product of Two Sparse Vectors**

<https://leetcode.com/problems/dot-product-of-two-sparse-vectors/>

哈希

**Leetcode 84. Largest Rectangle in Histogram(122)**

<https://leetcode.com/problems/largest-rectangle-in-histogram/>

<https://www.lintcode.com/problem/122/description>

<https://www.jiuzhang.com/problem/largest-rectangle-in-histogram/>

单调栈

**Leetcode 975. Odd Even Jump(1778)**

<https://leetcode.com/problems/odd-even-jump/>

<https://www.lintcode.com/problem/1778/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/odd-even-jump/>

单调栈

**Leetcode 56. Merge Intervals(156)**

<https://leetcode.com/problems/merge-intervals/>

<https://www.lintcode.com/problem/156/>

扫描线

**Leetcode 759. Employee Free Time（850）**

<https://leetcode.com/problems/employee-free-time/>

<https://www.lintcode.com/problem/850/>

<https://www.jiuzhang.com/problem/employee-free-time/>

扫描线

**Leetcode 804. Unique Morse Code Words**

<https://leetcode.com/problems/unique-morse-code-words/>

<https://www.lintcode.com/problem/1013/description>

哈希

**Leetcode 1338. Reduce Array Size to The Half**

<https://leetcode.com/problems/reduce-array-size-to-the-half/>

哈希

**FLAG 53 Leetcode 442. Find All Duplicates in an Array(1238)**

<https://leetcode.com/problems/find-all-duplicates-in-an-array/>

<https://www.lintcode.com/problem/1238/?fromId=312&_from=collection>

<https://www.jiuzhang.com/problem/find-all-duplicates-in-an-array/>

急转弯

**LeetCode 931. Minimum Falling Path Sum(1711)**

<https://leetcode.com/problems/minimum-falling-path-sum/>

<https://www.lintcode.com/problem/1711/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/minimum-falling-path-sum/>

坐标型dp

**Lintcode 1448 · Card Game**

<https://www.lintcode.com/problem/1448/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/card-game/>

背包型DP

**Leetcode 827. Making A Large Island(1391)**

<https://leetcode.com/problems/making-a-large-island/>

<https://www.lintcode.com/problem/1391/description>

<https://www.jiuzhang.com/problem/making-a-large-island/>

并查集

**Leetcode 659. Split Array into Consecutive Subsequences**

<https://leetcode.com/problems/split-array-into-consecutive-subsequences/>

<https://www.lintcode.com/problem/1103/description>

哈希 + 贪心

**FLAG 53 Leetcode 552. Student Attendance Record II(1177)**

<https://leetcode.com/problems/student-attendance-record-ii/>

<https://www.lintcode.com/problem/1177/description?fromId=312&_from=collection>

<https://www.jiuzhang.com/problem/student-attendance-record-ii/>

DP

**Lintcode 1447 · Calculation The Sum Of Path**

<https://www.lintcode.com/problem/1447/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/calculation-the-sum-of-path/>

坐标型dp

**LeetCode 838. Push Dominoes(1431)**

<https://leetcode.com/problems/push-dominoes/>

<https://www.lintcode.com/problem/1431/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/push-dominoes/>

DP

**FLAG 59 LeetCode 871. Minimum Number of Refueling Stops**

<https://leetcode.com/problems/minimum-number-of-refueling-stops/>

<https://www.lintcode.com/problem/1497/description>

DP

**FLAG 53 LeetCode 727. Minimum Window Subsequence(857)**

<https://leetcode.com/problems/minimum-window-subsequence/>

<https://www.lintcode.com/problem/857/description?fromId=312&_from=collection>

<https://www.jiuzhang.com/problem/minimum-window-subsequence/>

字符串型DP

**Lintcode 1444 · Dyeing Problem**

<https://www.lintcode.com/problem/1444/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/dyeing-problem/>

递推型DP

**Lintcode 631 · Maximal Square II**

<https://www.lintcode.com/problem/631/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximal-square-ii/>

矩阵型DP

**LeetCode 936. Stamping The Sequence(1706)**

<https://leetcode.com/problems/stamping-the-sequence/>

<https://www.lintcode.com/problem/1706/description>

<https://www.jiuzhang.com/problem/stamping-the-sequence/>

字符串问题

**LeetCode 721. Accounts Merge（1070）**

<https://leetcode.com/problems/accounts-merge/>

<https://www.lintcode.com/problem/1070/description>

<https://www.jiuzhang.com/problem/accounts-merge/>

并查集

**FLAG 53 Lintcode 180 · Binary Representation**

<https://www.lintcode.com/problem/180/description?fromId=312&_from=collection>

<https://www.jiuzhang.com/problem/binary-representation/>

模拟 + 字符串问题

**Lintcode 394 · Coins in a Line**

<https://www.lintcode.com/problem/394/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/coins-in-a-line/>

巴什博奕 + DP

**Lintcode 395 · Coins in a Line II**

<https://www.lintcode.com/problem/395/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/coins-in-a-line-ii/>

博弈型Dp

**LeetCode 1192. Critical Connections in a Network(1217)**

<https://leetcode.com/problems/critical-connections-in-a-network/>

<https://www.lintcode.com/problem/1271/description>

<https://www.jiuzhang.com/problem/critical-connections-in-a-network/>

DFS + 找图中的环

**LeetCode 342. Power of Four**

<https://leetcode.com/problems/critical-connections-in-a-network/>

<https://www.lintcode.com/problem/1285/solution>

位运算

**LeetCode 549. Binary Tree Longest Consecutive Sequence II（614）**

<https://leetcode.com/problems/binary-tree-longest-consecutive-sequence-ii/>

<https://www.lintcode.com/problem/614/description>

<https://www.jiuzhang.com/problem/binary-tree-longest-consecutive-sequence-ii/>

二叉树分治 + DFS + ResultType

**Lintcode 635 · Boggle Game 最强王者**

<https://www.lintcode.com/problem/635/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/boggle-game/>

字典树Trie + DFS + 前缀

**Lintcode 273 · Test Strategy**

<https://www.lintcode.com/problem/273/description>

<https://www.jiuzhang.com/problem/test-strategy/>

背包型DP

**Lintcode 396 · Coins in a Line III**

<https://www.lintcode.com/problem/396/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/coins-in-a-line-iii/>

博弈型DP

**Lintcode 274 · Make binary tree average**

<https://www.lintcode.com/problem/274/description?fromId=178&_from=collection>

DP + AVL + 超难

**LeetCode 234. Palindrome Linked List**

<https://leetcode.com/problems/palindrome-linked-list/>

<https://www.lintcode.com/problem/223/description>

<https://www.jiuzhang.com/problem/palindrome-linked-list/>

找链表中点， 翻转链表

**Leetcode 518. Coin Change 2**

<https://leetcode.com/problems/coin-change-2/>

<https://www.lintcode.com/problem/740/description>

背包型DP 完全背包

**LeetCode 326. Power of Three**

<https://leetcode.com/problems/power-of-three/>

<https://www.lintcode.com/problem/1294/description>

数论

**FLAG 54 Leetcode 841. Keys and Rooms**

<https://leetcode.com/problems/keys-and-rooms/>

<https://www.lintcode.com/problem/1428/description?fromId=313&_from=collection>

BFS 找连通性

**FLAG 54 Leetcode 129. Sum Root to Leaf Numbers**

<https://leetcode.com/problems/sum-root-to-leaf-numbers/>

<https://www.lintcode.com/problem/1353/description?fromId=313&_from=collection>

二叉树分治 + BFS + DFS

**Lintcode 805 · Maximum Association Set**

<https://www.lintcode.com/problem/805/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximum-association-set/>

并查集

**Leetcode 1901. Find a Peak Element II**

<https://leetcode.com/problems/find-a-peak-element-ii/>

<https://www.lintcode.com/problem/390/>

二分

**Lintcode 629 · Minimum Spanning Tree**

<https://www.lintcode.com/problem/629/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/minimum-spanning-tree/>

并查集 + 最小生成树

**Leetcode 869. Reordered Power of 2**

<https://leetcode.com/problems/reordered-power-of-2/>

<https://www.lintcode.com/problem/1499/description>

哈希 + 位运算

**Lintcode 1463 · Paper Review 最强王者**

<https://www.lintcode.com/problem/1463/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/paper-review/>

并查集 + LCS + DP

**Lintcode 432 · Find the Weak Connected Component in the Directed Graph**

<https://www.lintcode.com/problem/432/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/find-the-weak-connected-component-in-the-directed-graph/>

并查集

**LeetCode 421. Maximum XOR of Two Numbers in an Array**

<https://leetcode.com/problems/maximum-xor-of-two-numbers-in-an-array/>

<https://www.lintcode.com/problem/1248/description>

<https://www.jiuzhang.com/problem/maximum-xor-of-two-numbers-in-an-array/>

字典树 Trie + 位运算

**LeetCode 363. Max Sum of Rectangle No Larger Than K**

<https://leetcode.com/problems/max-sum-of-rectangle-no-larger-than-k/>

<https://www.lintcode.com/problem/1278/description>

<https://www.jiuzhang.com/problem/max-sum-of-rectangle-no-larger-than-k/>

前缀和

**FLAG 54 Leetcode 287. Find the Duplicate Number**

<https://leetcode.com/problems/find-the-duplicate-number/>

<https://www.lintcode.com/problem/633/description?fromId=313&_from=collection>

<https://www.jiuzhang.com/problem/find-the-duplicate-number/>

在答案集上二分 +快慢指针

**Lintcode 722 · Maximum Subarray VI**

<https://www.lintcode.com/problem/722/description>

<https://www.jiuzhang.com/problem/maximum-subarray-vi/>

字典树 Trie + 位运算

**LeetCode 2390. Removing Stars From a String**

<https://leetcode.com/problems/removing-stars-from-a-string/>

栈 + 字符串处理

**LeetCode 1329. Sort the Matrix Diagonally**

<https://leetcode.com/problems/sort-the-matrix-diagonally/>

堆 + minheap + Heap

**LeetCode 2392. Build a Matrix With Conditions**

<https://leetcode.com/problems/build-a-matrix-with-conditions/>

拓扑排序 + BFS

**Lintcode 1624 · Max Distance**

<https://www.lintcode.com/problem/1624/?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/max-distance/>

字典树Trie + DFS

**Leetcode 224. Basic Calculator**

<https://leetcode.com/problems/basic-calculator/>

<https://www.lintcode.com/problem/978/description>

<https://www.jiuzhang.com/problem/basic-calculator/>

栈 + 计算器系列

**Lintcode 559 · Trie Service**

<https://www.lintcode.com/problem/559/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/basic-calculator/>

字典树Trie

**Leetcode 722. Remove Comments**

<https://leetcode.com/problems/remove-comments/>

<https://www.lintcode.com/problem/1069/?fromId=313&_from=collection>

<https://www.jiuzhang.com/problem/remove-comments/>

字符串处理

**Leetcode 48. Rotate Image**

<https://leetcode.com/problems/rotate-image/>

模拟

**Lintcode 346 · xorsum of Interval extremum**

<https://www.lintcode.com/problem/346/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/xorsum-of-interval-extremum/>

单调栈模板

**Lintcode 126 · Max Tree**

<https://www.lintcode.com/problem/126/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/max-tree/>

单调栈 Pdf DFS + 分治

**Leetcode 1448. Count Good Nodes in Binary Tree**

<https://leetcode.com/problems/count-good-nodes-in-binary-tree/>

DFS + 二叉树的分治

**Leetcode 298. Binary Tree Longest Consecutive Sequence**

<https://leetcode.com/problems/binary-tree-longest-consecutive-sequence/>

<https://www.lintcode.com/problem/595/description>

<https://www.jiuzhang.com/problem/binary-tree-longest-consecutive-sequence/>

DFS + 二叉树的分治

**FLAG 55 Leetcode 907. Sum of Subarray Minimums**

<https://leetcode.com/problems/sum-of-subarray-minimums/>

<https://www.lintcode.com/problem/1734/description?fromId=316&_from=collection>

<https://www.jiuzhang.com/problem/sum-of-subarray-minimums/>

单调栈

**Lintcode 1860 · the Number of 0-submatrix**

<https://www.lintcode.com/problem/1860/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/the-number-of-0-submatrix/>

单调栈 + 类似于lintcode510

**Lintcode 621 · Maximum Subarray V**

<https://www.lintcode.com/problem/621/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximum-subarray-v/>

单调队列

**Lintcode 637. Average of Levels in Binary Tree**

<https://leetcode.com/problems/average-of-levels-in-binary-tree/>

<https://www.lintcode.com/problem/1115/description>

BFS

**FLAG 55 Leetcode 811. Subdomain Visit Count**

<https://leetcode.com/problems/subdomain-visit-count/>

<https://www.lintcode.com/problem/1006/description?fromId=316&_from=collection>

字符串处理 + 哈希

**Lintcode 347 · maximum number expectation**

<https://www.lintcode.com/problem/347/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/maximum-number-expectation/>

单调栈 + DP

**Leetcode 218. The Skyline Problem**

<https://leetcode.com/problems/the-skyline-problem/>

<https://www.lintcode.com/problem/131/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/the-skyline-problem/>

扫描线 + minheap + 堆

**Leetcode 20. Valid Parentheses**

<https://leetcode.com/problems/valid-parentheses/>

<https://www.lintcode.com/problem/423/description>

栈

**Leetcode 967. Numbers With Same Consecutive Differences**

<https://leetcode.com/problems/numbers-with-same-consecutive-differences/>

DFS + BFS

**Leetcode 399. Evaluate Division**

<https://leetcode.com/problems/evaluate-division/>

<https://www.lintcode.com/problem/1257/>

<https://www.jiuzhang.com/problem/evaluate-division/>

并查集 + BFS + DFS

**Lintcode 1379 · The Longest Scene**

<https://www.lintcode.com/problem/1379/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/the-longest-scene/>

扫描线问题

**Leetcode 82. Remove Duplicates from Sorted List II**

<https://leetcode.com/problems/remove-duplicates-from-sorted-list-ii/>

<https://www.lintcode.com/problem/113/description?fromId=316&_from=collection>

<https://www.jiuzhang.com/problem/remove-duplicates-from-sorted-list-ii/>

链表问题

**Leetcode 2398. Maximum Number of Robots Within Budget**

<https://leetcode.com/problems/maximum-number-of-robots-within-budget/>

单调队列

**FLAG 55 Leetcode 859. Buddy Strings**

<https://leetcode.com/problems/buddy-strings/>

<https://www.lintcode.com/problem/1510/description?fromId=316&_from=collection>

枚举

**FLAG 55 Lintcode 250 · Special Palindrome String**

<https://www.lintcode.com/problem/250/description?fromId=316&_from=collection>

<https://www.jiuzhang.com/problem/special-palindrome-string/>

哈希 + 双指针

**Leetcode 814. Binary Tree Pruning**

<https://leetcode.com/problems/binary-tree-pruning/>

<https://www.lintcode.com/problem/1003/description>

DFS + 二叉树的分治

**Lintcode 1891 · Travel Plan**

<https://www.lintcode.com/problem/1891/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/travel-plan/>

DFS暴力搜索

**Lintcode 1862 · Time to Flower Tree**

<https://www.lintcode.com/problem/1862/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/time-to-flower-tree/>

BFS

**Leetcode 902. Numbers At Most N Given Digit Set**

<https://leetcode.com/problems/numbers-at-most-n-given-digit-set/>

<https://www.lintcode.com/problem/1739/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/numbers-at-most-n-given-digit-set/>

DP + 数学

**Leetcode 780. Reaching Points**

<https://leetcode.com/problems/reaching-points/>

<https://www.lintcode.com/problem/1836/description>

<https://www.jiuzhang.com/problem/reaching-point/>

数学 + 辗转相除

**Lintcode 1306 · Travel Plan II**

<https://www.lintcode.com/problem/1306/?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/travel-plan-ii/>

状态压缩 + DP

**Leetcode 606. Construct String from Binary Tree**

<https://leetcode.com/problems/construct-string-from-binary-tree/>

<https://www.lintcode.com/problem/1137/description>

DFS + 二叉树的分治

**Leetcode 536. Construct Binary Tree from String**

<https://leetcode.com/problems/construct-binary-tree-from-string/>

<https://www.lintcode.com/problem/880/description>

<https://www.jiuzhang.com/problem/construct-binary-tree-from-string/>

DFS + 二叉树的分治

**FLAG 56 Leetcode 709. To Lower Case**

<https://leetcode.com/problems/to-lower-case/>

<https://www.lintcode.com/problem/1535/description?fromId=317&_from=collection>

ACII码

**FLAG 56 Leetcode 874. Walking Robot Simulation**

<https://leetcode.com/problems/walking-robot-simulation/>

<https://www.lintcode.com/problem/1493/description?fromId=317&_from=collection>

模拟

**Leetcode 1360. Number of Days Between Two Dates**

<https://leetcode.com/problems/number-of-days-between-two-dates/>

模拟

**FLAG 56 Leetcode 166. Fraction to Recurring Decimal**

<https://leetcode.com/problems/fraction-to-recurring-decimal/>

<https://www.lintcode.com/problem/1351/description?fromId=317&_from=collection>

<https://www.jiuzhang.com/problem/fraction-to-recurring-decimal/>

模拟

**FLAG 56 Leetcode 325. Maximum Size Subarray Sum Equals k**

<https://leetcode.com/problems/maximum-size-subarray-sum-equals-k/>

<https://www.lintcode.com/problem/911/description?fromId=317&_from=collection>

<https://www.jiuzhang.com/problem/maximum-size-subarray-sum-equals-k/>

前缀和 + 哈希

**Leetcode 362. Design Hit Counter**

<https://leetcode.com/problems/design-hit-counter/>

OOD + 队列

**Lintcode 652 · Factorization**

<https://www.lintcode.com/problem/652/description?fromId=178&_from=collection>

<https://www.jiuzhang.com/problem/factorization/>

DFS

**Leetcode 1996. The Number of Weak Characters in the Game**

<https://leetcode.com/problems/the-number-of-weak-characters-in-the-game/>

排序 + 贪心

**Leetcode 924. Minimize Malware Spread**

<https://leetcode.com/problems/minimize-malware-spread/>

<https://www.lintcode.com/problem/1718/?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/minimize-malware-spread/>

并查集

**Leetcode 928. Minimize Malware Spread II**

<https://leetcode.com/problems/minimize-malware-spread-ii/>

<https://www.lintcode.com/problem/1714/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/minimize-malware-spread-ii/>

BFS

**Lintcode 1909 · Order allocation**

<https://www.lintcode.com/problem/1909/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/order-allocation/>

DFS

**Leetcode 785. Is Graph Bipartite?**

<https://leetcode.com/problems/is-graph-bipartite/>

<https://www.lintcode.com/problem/1031/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/is-graph-bipartite/>

DFS + BFS + 染色法

**Leetcode 2406 Divide Intervals Into Minimum Number of Groups**

<https://leetcode.com/problems/divide-intervals-into-minimum-number-of-groups/>

扫描线 sweep line 类似 **Meeting Rooms II**

**Leetcode 1383. Maximum Performance of a Team**

<https://leetcode.com/problems/maximum-performance-of-a-team/>

贪心 + minheap + 堆

**Lintcode 627 · Longest Palindrome**

<https://www.lintcode.com/problem/627/?fromId=178&_from=collection>

模拟

**Leetcode 948. Bag of Tokens**

<https://leetcode.com/problems/bag-of-tokens/>

贪心

**Lintcode 301 · Lucky Number II**

<https://www.lintcode.com/problem/301/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/lucky-number-ii/>

DFS

**Leetcode 393. UTF-8 Validation**

<https://leetcode.com/problems/utf-8-validation/>

<https://www.lintcode.com/problem/1262/>

<https://www.lintcode.com/problem/1262/solution/58717>

模拟 + 位运算

**Lintcode 1888 · Shortest Path in Matrix**

<https://www.lintcode.com/problem/1888/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/shortest-path-in-matrix/>

BFS + 有点SPFA的意思

**Leetcode 850. Rectangle Area II**

<https://leetcode.com/problems/rectangle-area-ii/>

<https://www.lintcode.com/problem/1450/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/rectangle-area-ii/>

离散化

**Leetcode 1457. Pseudo-Palindromic Paths in a Binary Tree**

<https://leetcode.com/problems/pseudo-palindromic-paths-in-a-binary-tree/>

DFS + 位运算 + 先序遍历

**FLAG 57 Leetcode 898. Bitwise ORs of Subarrays**

<https://leetcode.com/problems/bitwise-ors-of-subarrays/>

<https://www.lintcode.com/problem/1743/description?fromId=319&_from=collection>

<https://www.jiuzhang.com/problem/bitwise-ors-of-subarrays/>

位运算

**FLAG 57 Leetcode 842. Split Array into Fibonacci Sequence**

<https://leetcode.com/problems/split-array-into-fibonacci-sequence/>

<https://www.lintcode.com/problem/1427/?fromId=319&_from=collection>

<https://leetcode.com/problems/split-array-into-fibonacci-sequence/discuss/139690/Logical-Thinking-with-Clear-Java-Code>

DFS + 回溯

**FLAG 57 Lintcode 378 · Convert Binary Tree to Doubly Linked List**

<https://www.lintcode.com/problem/378/description?fromId=319&_from=collection>

<https://www.jiuzhang.com/problem/convert-binary-search-tree-to-doubly-linked-list/>

DFS + 分治 + resulttype

**Leetcode 2007. Find Original Array From Doubled Array**

<https://leetcode.com/problems/find-original-array-from-doubled-array/>

哈希

**Leetcode 159. Longest Substring with At Most Two Distinct Characters**

<https://leetcode.com/problems/longest-substring-with-at-most-two-distinct-characters/>

<https://www.lintcode.com/problem/928/description>

<https://www.jiuzhang.com/problem/longest-substring-with-at-most-two-distinct-characters/>

滑动窗口 + 双指针 + 哈希

**Leetcode 1770. Maximum Score from Performing Multiplication Operations**

<https://leetcode.com/problems/maximum-score-from-performing-multiplication-operations/>

区间型DP

**Lintcode 1374 · Shortest Distance in 3D Space**

<https://www.lintcode.com/problem/1374/?fromId=265&_from=collection>

BFS最短路

**Lintcode 1604 · Maximum Sum of Two Numbers**

<https://www.lintcode.com/problem/1604/description?fromId=319&_from=collection>

哈希 + minheap

**Leetcode 743. Network Delay Time**

<https://leetcode.com/problems/network-delay-time/>

<https://www.lintcode.com/problem/1057/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/network-delay-time/>

SPFA

**Lintcode 355 · shuttleInBuildings**

<https://www.lintcode.com/problem/355/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/shuttleinbuildings/>

单调栈 + SPFA

**Leetcode 2416. Sum of Prefix Scores of Strings**

<https://leetcode.com/problems/sum-of-prefix-scores-of-strings/>

Trie 字典树

**Leetcode 2415. Reverse Odd Levels of Binary Tree**

<https://leetcode.com/problems/reverse-odd-levels-of-binary-tree/>

二叉树的分治

**Leetcode 864. Shortest Path to Get All Keys**

<https://leetcode.com/problems/shortest-path-to-get-all-keys/>

<https://www.lintcode.com/problem/1504/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/shortest-path-to-get-all-keys/>

BFS + 状态压缩

**Leetcode 609. Find Duplicate File in System**

<https://leetcode.com/problems/find-duplicate-file-in-system/>

<https://www.lintcode.com/problem/1134/description>

字符串处理 + 哈希

**Lintcode 1897 · Meeting Room III**

<https://www.lintcode.com/problem/1897/description>

<https://www.jiuzhang.com/problem/meeting-room-iii/>

扫描线 + 前缀和

**Leetcode 2402. Meeting Rooms III**

<https://leetcode.com/problems/meeting-rooms-iii/>

堆 + heap

**Lintcode 1399 · Take Coins**

<https://www.lintcode.com/problem/1399/description?fromId=265&_from=collection>

前缀和

**Lintcode 1397 · Digital Coverage**

<https://www.lintcode.com/problem/1397/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/digital-coverage/>

扫描线

**Leetcode 221. Maximal Square**

<https://leetcode.com/problems/maximal-square/>

<https://www.lintcode.com/problem/436/>

DP + 冲pdf

**Leetcode 1277. Count Square Submatrices with All Ones**

<https://leetcode.com/problems/count-square-submatrices-with-all-ones/>

<https://www.lintcode.com/problem/1869/description?fromId=265&_from=collection>

DP + 冲pdf

**Leetcode 985. Sum of Even Numbers After Queries**

<https://leetcode.com/problems/sum-of-even-numbers-after-queries/>

模拟

**Leetcode 503. Next Greater Element II**

<https://leetcode.com/problems/next-greater-element-ii/>

<https://www.lintcode.com/problem/1201/description?fromId=320&_from=collection>

单调栈

**Leetcode 496. Next Greater Element I**

<https://leetcode.com/problems/next-greater-element-i/>

<https://www.lintcode.com/problem/1206>

单调栈

**Lintcode 1861 · Rat Jump**

<https://www.lintcode.com/problem/1861/?fromId=265&_from=collection>

DP + pdf冲

**Leetcode 1272. Remove Interval**

<https://leetcode.com/problems/remove-interval/>

伪扫描线

**Leetcode 778. Swim in Rising Water 最强王者**

<https://leetcode.com/problems/swim-in-rising-water/>

<https://www.lintcode.com/problem/810/description?fromId=320&_from=collection>

<https://www.jiuzhang.com/problem/swim-in-rising-water/>

并查集 + 二分答案 + BFS + SPFA

**Lintcode 1316 · Luck Number**

<https://www.lintcode.com/problem/1316/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/luck-number/>

单调栈

**Leetcode 1680. Concatenation of Consecutive Binary Numbers**

<https://leetcode.com/problems/concatenation-of-consecutive-binary-numbers/>

二进制加字符串

**Lintcode 42 · Maximum Subarray II**

<https://www.lintcode.com/problem/42/description>

<https://www.jiuzhang.com/problem/maximum-subarray-ii/>

贪心

**Lintcode 45 · Maximum Subarray Difference**

<https://www.lintcode.com/problem/45/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/maximum-subarray-difference/>

贪心

**Leetcode 263. Ugly Number**

<https://leetcode.com/problems/ugly-number/>

<https://www.lintcode.com/problem/517/description?fromId=265&_from=collection>

数学

**Leetcode 678. Valid Parenthesis String**

<https://leetcode.com/problems/valid-parenthesis-string/>

<https://www.lintcode.com/problem/1089/>

<https://www.jiuzhang.com/problem/valid-parenthesis-string/>

贪心

**Leetcode 666. Path Sum IV**

<https://leetcode.com/problems/path-sum-iv/>

<https://www.lintcode.com/problem/1098/description>

DFS + 分治

**Leetcode 548. Split Array with Equal Sum**

<https://leetcode.com/problems/split-array-with-equal-sum/>

<https://www.lintcode.com/problem/877/description>

<https://www.jiuzhang.com/problem/split-array-with-equal-sum/>

隔板法

**Leetcode 555. Split Concatenated Strings**

<https://leetcode.com/problems/split-concatenated-strings/>

<https://www.lintcode.com/problem/876/description>

<https://www.jiuzhang.com/problem/split-concatenated-strings/>

隔板法 + 字符串操作

**Leetcode 2419. Longest Subarray With Maximum Bitwise AND**

<https://leetcode.com/problems/longest-subarray-with-maximum-bitwise-and/>

转化为求都是最大值的子数组最大长度

**Leetcode 2420. Find All Good Indices**

<https://leetcode.com/problems/find-all-good-indices/>

<https://leetcode.com/problems/find-all-good-indices/discuss/2620565/DP-C%2B%2BJavaPython-%2B-Intuition>

**DP**

**Leetcode 2421. Number of Good Paths**

<https://leetcode.com/problems/number-of-good-paths/>

**并查集 + UnionFind**

**Leetcode 6. Zigzag Conversion**

<https://leetcode.com/problems/zigzag-conversion/>

<https://www.lintcode.com/problem/1363/description>

二维矩阵模拟

**Leetcode 622. Design Circular Queue**

<https://leetcode.com/problems/design-circular-queue/>

<https://www.lintcode.com/problem/955/>

OOD + 设计队列

**Leetcode 990. Satisfiability of Equality Equations**

<https://leetcode.com/problems/satisfiability-of-equality-equations/>

并查集 + unionfind

**Leetcode 19. Remove Nth Node From End of List**

<https://leetcode.com/problems/remove-nth-node-from-end-of-list/>

<https://www.lintcode.com/problem/174/description>

<https://www.jiuzhang.com/problem/remove-nth-node-from-end-of-list/>

快慢指针

**FLAG 59 Lintcode 1345 · Robot Encircular**

<https://www.lintcode.com/problem/1345/description?fromId=321&_from=collection>

<https://www.jiuzhang.com/problem/robot-encircular/>

模拟

**FLAG 59 Leetcode 805. Split Array With Same Average**

<https://leetcode.com/problems/split-array-with-same-average/>

<https://www.lintcode.com/problem/1012/description?fromId=321&_from=collection>

<https://www.jiuzhang.com/problem/split-array-with-same-average/>

DFS + NP问题

**Leetcode 467. Unique Substrings in Wraparound String**

<https://leetcode.com/problems/unique-substrings-in-wraparound-string/>

<https://www.lintcode.com/problem/1223/description?fromId=321&_from=collection>

<https://www.jiuzhang.com/problem/unique-substrings-in-wraparound-string/>

DP

**Leetcode 150. Evaluate Reverse Polish Notation**

<https://leetcode.com/problems/evaluate-reverse-polish-notation/>

<https://www.lintcode.com/problem/424/description?fromId=321&_from=collection>

<https://www.jiuzhang.com/problem/evaluate-reverse-polish-notation/>

栈

**Leetcode 57. Insert Interval**

<https://leetcode.com/problems/insert-interval/>

<https://www.lintcode.com/problem/30/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/insert-interval/>

扫描线

**Lintcode 80 · Median**

<https://www.lintcode.com/problem/80/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/median/>

快速选择算法

**Lintcode 1458 · Minimum Submatrix**

<https://www.lintcode.com/problem/1458/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/minimum-submatrix/>

DP + 二维前缀

**Lintcode 944 · Maximum Submatrix**

<https://www.lintcode.com/problem/944/?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/minimum-submatrix/>

DP + 二维前缀

**Lintcode 339 · Median II**

<https://www.lintcode.com/problem/339/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/median-ii/>

排序

**Leetcode 198. House Robber**

<https://leetcode.com/problems/house-robber/description/>

<https://www.lintcode.com/problem/392/solution/17251>

<https://www.jiuzhang.com/problem/house-robber/>

坐标型DP

**Lintcode 1330 · zero matrix**

<https://www.lintcode.com/problem/1330/description?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/zeromatrix/>

二维前缀

**Leetcode 411. Minimum Unique Word Abbreviation**

<https://leetcode.com/problems/minimum-unique-word-abbreviation/description/>

<https://www.lintcode.com/problem/890/?fromId=265&_from=collection>

<https://www.jiuzhang.com/problem/minimum-unique-word-abbreviation/>

状态压缩 + 剪枝 + DFS

**Leetcode** **531. Lonely Pixel I**

<https://leetcode.com/problems/lonely-pixel-i/description/>

模拟

**Lintcode 1833 · pen box**

<https://www.lintcode.com/problem/1833/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/pen-box/>

DP

**Leetcode 2430. Maximum Deletions on a String**

<https://leetcode.com/problems/maximum-deletions-on-a-string/description/>

**Dp + KMP**

**Leetcode** **1155. Number of Dice Rolls With Target Sum**

[**https://leetcode.com/problems/number-of-dice-rolls-with-target-sum/description/**](https://leetcode.com/problems/number-of-dice-rolls-with-target-sum/description/)

**记忆化搜索 + DP**

**Lintcode 1784 · Decrease To Be Palindrome**

<https://www.lintcode.com/problem/1784/description?fromId=160&_from=collection>

字母间的距离

**Leetcode** **713. Subarray Product Less Than K**

<https://leetcode.com/problems/subarray-product-less-than-k/description/>

<https://www.lintcode.com/problem/1075/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/subarray-product-less-than-k/>

双指针

**Leetcode** **647. Palindromic Substrings**

<https://leetcode.com/problems/palindromic-substrings/description/>

<https://www.lintcode.com/problem/837/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/palindromic-substrings/>

双指针 + 基于中心点的扩展

**Leetcode** **179. Largest Number**

<https://leetcode.com/problems/largest-number/description/>

<https://www.lintcode.com/problem/184/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/largest-number/>

贪心 + 自定义排序

**Lintcode 1574 · Music Playlist**

<https://www.lintcode.com/problem/1574/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/music-playlist/>

DP

**Leetcode** **1578. Minimum Time to Make Rope Colorful**

<https://leetcode.com/problems/minimum-time-to-make-rope-colorful/>

双指针

**Lintcode 949 · Fibonacci II**

<https://www.lintcode.com/problem/949/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/fibonacci-ii/>

矩阵快速幂 + 数学

**Leetcode** **277. Find the Celebrity**

<https://leetcode.com/problems/find-the-celebrity/description/>

<https://www.lintcode.com/problem/645/?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/find-the-celebrity/>

模拟

**Lintcode 946 · 233 Matrix**

<https://www.lintcode.com/problem/946/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/233-matrix/>

矩阵快速幂 + 数学

**Leetcode** **246. Strobogrammatic Number**

<https://leetcode.com/problems/strobogrammatic-number/description/>

<https://www.lintcode.com/problem/644/description?fromId=160&_from=collection>

哈希

**Leetcode** **1444. Number of Ways of Cutting a Pizza**

<https://leetcode.com/problems/number-of-ways-of-cutting-a-pizza/description/>

DP + 二维前缀和

**Lintcode 569 · Add Digits**

<https://www.lintcode.com/problem/569/description?fromId=160&_from=collection>

模拟

**Leetcode** **202. Happy Number**

<https://leetcode.com/problems/happy-number/description/>

<https://www.lintcode.com/problem/488/?fromId=160&_from=collection>

哈希

**Leetcode** **369. Plus One Linked List**

<https://leetcode.com/problems/plus-one-linked-list/description/>

<https://www.lintcode.com/problem/904/description?fromId=160&_from=collection>

哨兵 + dummy

**Leetcode** **445. Add Two Numbers II**

<https://leetcode.com/problems/add-two-numbers-ii/description/>

<https://www.lintcode.com/problem/221/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/add-two-numbers-ii/>

Linked list + 模拟

**Leetcode** **623. Add One Row to Tree**

<https://leetcode.com/problems/add-one-row-to-tree/description/>

<https://www.lintcode.com/problem/1122/description>

BFS + DFS二叉树的分治

**Leetcode** **981. Time Based Key-Value Store**

<https://leetcode.com/problems/time-based-key-value-store/description/>

哈希 + TreeMap

**Leetcode** **161. One Edit Distance**

<https://leetcode.com/problems/one-edit-distance/description/>

<https://www.lintcode.com/problem/640/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/one-edit-distance/>

模拟

**Lintcode 586 · Sqrt(x) II**

<https://www.lintcode.com/problem/586/?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/sqrtx-ii/>

二分

**Leetcode** **732. My Calendar III**

<https://leetcode.com/problems/my-calendar-iii/description/>

<https://www.lintcode.com/problem/1063/description>

<https://www.jiuzhang.com/problem/my-calendar-iii/>

扫描线算法 + TreeMap

**Leetcode** **8. String to Integer (atoi)**

<https://leetcode.com/problems/string-to-integer-atoi/description/>

<https://www.lintcode.com/problem/54/?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/string-to-integer-atoi/>

模拟 + 字符串操作

**Lintcode 1364 · the minium distance**

<https://www.lintcode.com/problem/1364/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/the-minium-distance/>

BFS最短路

**Lintcode 806 · Buy Fruits**

<https://www.lintcode.com/problem/806/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/buy-fruits/>

字符串操作+ 模拟

**Leetcode 538. Convert BST to Greater Tree**

[**https://leetcode.com/problems/convert-bst-to-greater-tree/description/**](https://leetcode.com/problems/convert-bst-to-greater-tree/description/)

<https://www.lintcode.com/problem/661/description?fromId=160&_from=collection>

<https://www.jiuzhang.com/problem/convert-bst-to-greater-tree/>

DFS + 二叉树的分治

**Leetcode** **320. Generalized Abbreviation**

<https://leetcode.com/problems/generalized-abbreviation/description/>

<https://www.lintcode.com/problem/779/description?fromId=160&_from=collection>

DFS

**Lintcode 1853 · Efficient Job Processing Service**

<https://www.lintcode.com/problem/1853/description?fromId=160&_from=collection>

背包问题 + DP

**Leetcode 2434. Using a Robot to Print the Lexicographically Smallest String**

<https://leetcode.com/problems/using-a-robot-to-print-the-lexicographically-smallest-string/description/>

**字符串处理 + 栈**

**Leetcode 2435. Paths in Matrix Whose Sum Is Divisible by K**

[**https://leetcode.com/problems/paths-in-matrix-whose-sum-is-divisible-by-k/description/**](https://leetcode.com/problems/paths-in-matrix-whose-sum-is-divisible-by-k/description/)

**记忆化搜素 + DFS**

**Leetcode** **974. Subarray Sums Divisible by K**

<https://leetcode.com/problems/subarray-sums-divisible-by-k/description/>

哈希 + 前缀和

**Leetcode 523. Continuous Subarray Sum**

<https://leetcode.com/problems/continuous-subarray-sum/description/>

哈希 + 前缀和

**Leetcode** **1328. Break a Palindrome**

<https://leetcode.com/problems/break-a-palindrome/description/>

模拟 + 贪心

**Leetcode** **926. Flip String to Monotone Increasing**

<https://leetcode.com/problems/flip-string-to-monotone-increasing/description/>

<https://www.lintcode.com/problem/1716/?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/flip-string-to-monotone-increasing/>

前缀和 + 隔板法

**Leetcode** **334. Increasing Triplet Subsequence**

<https://leetcode.com/problems/increasing-triplet-subsequence/description/>

<https://www.lintcode.com/problem/1287/description>

贪心

**Lintcode 1581 · Longest Subsequence**

<https://www.lintcode.com/problem/1581/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/longest-subsequence/>

模拟

**Lintcode 692 · Sliding Window Unique Elements Sum**

<https://www.lintcode.com/problem/692/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/sliding-window-unique-elements-sum/>

哈希 + 滑动窗口

**Leetcode** **689. Maximum Sum of 3 Non-Overlapping Subarrays**

<https://leetcode.com/problems/maximum-sum-of-3-non-overlapping-subarrays/description/>

<https://www.lintcode.com/problem/1083/description?fromId=167&_from=collection>

滑动窗口

**Leetcode** **1790. Check if One String Swap Can Make Strings Equal**

<https://leetcode.com/problems/check-if-one-string-swap-can-make-strings-equal/description/>

模拟

**Leetcode** **817. Linked List Components**

<https://leetcode.com/problems/linked-list-components/description/>

<https://www.lintcode.com/problem/1371/description>

哈希 + 模拟

**FLAG 60 Lintcode 1881 · Aircraft seat**

<https://www.lintcode.com/problem/1881/description?fromId=322&_from=collection>

<https://www.jiuzhang.com/problem/aircraft-seat/>

模拟

**Leetcode** **237. Delete Node in a Linked List**

<https://leetcode.com/problems/delete-node-in-a-linked-list/description/>

<https://www.lintcode.com/problem/372/>

**Leetcode** **769. Max Chunks To Make Sorted**

<https://leetcode.com/problems/max-chunks-to-make-sorted/description/>

<https://www.lintcode.com/problem/1039/solution/57839>

<https://www.jiuzhang.com/problem/max-chunks-to-make-sorted/>

前缀 + 贪心

**FLAG 60 Leetcode** **691. Stickers to Spell Word**

<https://leetcode.com/problems/stickers-to-spell-word/description/>

<https://www.lintcode.com/problem/1081/description?fromId=322&_from=collection>

<https://www.jiuzhang.com/problem/stickers-to-spell-word/>

记忆化搜索

**Leetcode** **2095. Delete the Middle Node of a Linked List**

<https://leetcode.com/problems/delete-the-middle-node-of-a-linked-list/description/>

快慢指针

**FLAG 60 Lintcode 893 · Longest Palindromic Substring II**

<https://www.lintcode.com/problem/893/description?fromId=322&_from=collection>

<https://www.jiuzhang.com/problem/longest-palindromic-substring-ii/>

回文串 + 马拉车算法

**Leetcode 1057. Campus Bikes**

<https://leetcode.com/problems/campus-bikes/description/>

<https://www.lintcode.com/problem/1160/description?fromId=167&_from=collection>

自定义排序

**Leetcode** **1531. String Compression II**

<https://leetcode.com/problems/string-compression-ii/description/>

记忆化搜索

**Leetcode** **800. Similar RGB Color**

<https://leetcode.com/problems/similar-rgb-color/>

<https://www.lintcode.com/problem/1017/description>

进制转化 + 模拟

**Leetcode** **1441. Build an Array With Stack Operations**

<https://leetcode.com/problems/build-an-array-with-stack-operations/description/>

栈 + 模拟

**Leetcode** **41. First Missing Positive**

<https://leetcode.com/problems/first-missing-positive/description/>

<https://www.lintcode.com/problem/189/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/first-missing-positive/>

模拟

**Leetcode** **1335. Minimum Difficulty of a Job Schedule**

<https://leetcode.com/problems/minimum-difficulty-of-a-job-schedule/>

记忆化搜索

**Leetcode 2444. Count Subarrays With Fixed Bounds**

[**https://leetcode.com/problems/count-subarrays-with-fixed-bounds/description/**](https://leetcode.com/problems/count-subarrays-with-fixed-bounds/description/)

**滑动窗口 + 双指针**

**Leetcode** **904. Fruit Into Baskets**

**类似于340**

<https://leetcode.com/problems/fruit-into-baskets/description/>

<https://www.lintcode.com/problem/1737/description>

哈希 + 滑动窗口

**Leetcode** **69. Sqrt(x)**

<https://leetcode.com/problems/sqrtx/description/>

<https://www.lintcode.com/problem/141/description?fromId=167&_from=collection>

二分

**Leetcode** **280. Wiggle Sort**

<https://leetcode.com/problems/wiggle-sort/description/>

<https://www.lintcode.com/problem/508/description?fromId=167&_from=collection>

贪心 + 模拟

**Leetcode** **324. Wiggle Sort II 最强王者**

<https://leetcode.com/problems/wiggle-sort-ii/description/>

<https://www.lintcode.com/problem/507/description?fromId=167&_from=collection>

quick sort + partition

**Leetcode** **164. Maximum Gap**

<https://leetcode.com/problems/maximum-gap/description/>

<https://www.lintcode.com/problem/400/?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/maximum-gap/>

桶排序

**Leetcode 38. Count and Say**

<https://leetcode.com/problems/count-and-say/description/>

<https://www.lintcode.com/problem/420/description>

模拟 + 字符串问题

**Lintcode 1636 · Aerial Movie**

<https://www.lintcode.com/problem/1636/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/aerial-movie/>

二分法

**Leetcode** **692. Top K Frequent Words**

<https://leetcode.com/problems/top-k-frequent-words/description/>

<https://www.lintcode.com/problem/471/description>

哈希 + minheap

**Leetcode** **1700. Number of Students Unable to Eat Lunch**

<https://leetcode.com/problems/number-of-students-unable-to-eat-lunch/description/>

模拟

**FLAG 61 Leetcode** **67. Add Binary**

<https://leetcode.com/problems/add-binary/description/>

<https://www.lintcode.com/problem/408/?fromId=324&_from=collection>

位运算

**FLAG 61 Leetcode** **554. Brick Wall**

<https://leetcode.com/problems/brick-wall/description/>

<https://www.lintcode.com/problem/1175/description?fromId=324&_from=collection>

模拟

**Leetcode** **12. Integer to Roman**

<https://leetcode.com/problems/integer-to-roman/description/>

模拟

**Leetcode** **13. Roman to Integer**

<https://leetcode.com/problems/roman-to-integer/>

模拟

**Leetcode** **779. K-th Symbol in Grammar**

<https://leetcode.com/problems/k-th-symbol-in-grammar/description/>

<https://www.lintcode.com/problem/809/description>

<https://www.jiuzhang.com/problem/k-th-symbol-in-grammar/>

DFS

**Leetcode** **875. Koko Eating Bananas**

<https://leetcode.com/problems/koko-eating-bananas/description/>

<https://www.lintcode.com/problem/1492/description?fromId=167&_from=collection>

在答案上二分

**Leetcode** **977. Squares of a Sorted Array**

<https://leetcode.com/problems/squares-of-a-sorted-array/description/>

<https://www.lintcode.com/problem/1901/description?fromId=167&_from=collection\>

双指针

**Leetcode** **901. Online Stock Span**

<https://leetcode.com/problems/online-stock-span/description/>

<https://www.lintcode.com/problem/1740/solution/59245>

单调栈

**Leetcode** **435. Non-overlapping Intervals**

<https://leetcode.com/problems/non-overlapping-intervals/description/>

<https://www.lintcode.com/problem/1242/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/non-overlapping-intervals/>

贪心

**Leetcode** **1235. Maximum Profit in Job Scheduling**

<https://leetcode.com/problems/maximum-profit-in-job-scheduling/description/>

记忆化搜索

**Leetcode** **1551. Minimum Operations to Make Array Equal**

<https://leetcode.com/problems/minimum-operations-to-make-array-equal/description/>

数学

**Leetcode 2448. Minimum Cost to Make Array Equal**

[**https://leetcode.com/problems/minimum-cost-to-make-array-equal/description/**](https://leetcode.com/problems/minimum-cost-to-make-array-equal/description/)

**在答案上二分**

**Leetcode 2449. Minimum Number of Operations to Make Arrays Similar**

[**https://leetcode.com/problems/minimum-number-of-operations-to-make-arrays-similar/description/**](https://leetcode.com/problems/minimum-number-of-operations-to-make-arrays-similar/description/)

**模拟**

**Leetcode 1239. Maximum Length of a Concatenated String with Unique Characters**

<https://leetcode.com/problems/maximum-length-of-a-concatenated-string-with-unique-characters/>

哈希

**Leetcode** **915. Partition Array into Disjoint Intervals**

<https://leetcode.com/problems/partition-array-into-disjoint-intervals/description/>

<https://www.lintcode.com/problem/1727/description>

<https://www.jiuzhang.com/problem/partition-array-into-disjoint-intervals/>

前缀

**Leetcode** **934. Shortest Bridge 最强王者**

<https://leetcode.com/problems/shortest-bridge/description/>

<https://www.lintcode.com/problem/1708/description>

<https://www.jiuzhang.com/problem/shortest-bridge/>

BFS + DFS

**Lintcode 1612 · Smallest Path**

<https://www.lintcode.com/problem/1612/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/smallest-path/>

坐标型DP

**Lintcode 958 · Palindrome Data Stream**

<https://www.lintcode.com/problem/958/description?fromId=167&_from=collection>

回文串问题

**Leetcode** **267. Palindrome Permutation II**

<https://leetcode.com/problems/palindrome-permutation-ii/description/>

<https://www.jiuzhang.com/problem/palindrome-permutation-ii/>

<https://www.jiuzhang.com/problem/palindrome-permutation-ii/>

排列问题 + DFS + 回溯

**Leetcode** **132. Palindrome Partitioning II**

<https://leetcode.com/problems/palindrome-partitioning-ii/description/>

<https://www.lintcode.com/problem/108/?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/palindrome-partitioning-ii/>

序列型dp

**Leetcode** **131. Palindrome Partitioning**

<https://leetcode.com/problems/palindrome-partitioning/description/>

<https://www.lintcode.com/problem/136/description>

<https://www.jiuzhang.com/problem/palindrome-partitioning/>

DFS + 回溯

**Leetcode 835. Image Overlap**

<https://leetcode.com/problems/image-overlap/description/>

<https://www.lintcode.com/problem/1433/description>

<https://www.jiuzhang.com/problem/image-overlap/>

模拟

**FLAG 62 Leetcode** **455. Assign Cookies**

<https://leetcode.com/problems/assign-cookies/description/>

<https://www.lintcode.com/problem/1230/description?fromId=326&_from=collection>

贪心

**FLAG 62 Leetcode** **530. Minimum Absolute Difference in BST**

<https://leetcode.com/problems/minimum-absolute-difference-in-bst/description>

<https://www.lintcode.com/problem/1188/description?fromId=326&_from=collection>

二叉树的中序遍历

**Lintcode 1819 · Longest Semi Alternating Substring**

<https://www.lintcode.com/problem/1819/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/longest-semi-alternating-substring/>

双指针

**Leetcode** **737. Sentence Similarity II**

<https://leetcode.com/problems/sentence-similarity-ii/description/>

<https://www.lintcode.com/problem/855/description?fromId=167&_from=collection>

并查集

**Lintcode 1646 · CheckWords**

<https://www.lintcode.com/problem/1646/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/checkwords/>

记忆化搜索

**Lintcode 1824 · Most Frequent Substring**

<https://www.lintcode.com/problem/1824/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/most-frequent-substring/>

双指针 + 哈希

**Leetcode** **2136. Earliest Possible Day of Full Bloom**

<https://leetcode.com/problems/earliest-possible-day-of-full-bloom/description/>

贪心

**Leetcode** **487. Max Consecutive Ones II**

<https://leetcode.com/problems/max-consecutive-ones-ii/description/>

<https://www.lintcode.com/problem/883/solution/57750>

双指针 + DP + 滑动窗口

**Leetcode** **143. Reorder List 最强王者**

<https://leetcode.com/problems/reorder-list/description/>

<https://www.lintcode.com/problem/99/description?fromId=167&_from=collection>

链表题之王

**Leetcode 2457. Minimum Addition to Make Integer Beautiful**

<https://leetcode.com/problems/minimum-addition-to-make-integer-beautiful/>

**模拟**

**Leetcode 2458. Height of Binary Tree After Subtree Removal Queries最强王者**

<https://leetcode.com/problems/height-of-binary-tree-after-subtree-removal-queries/description/>

<https://leetcode.com/problems/height-of-binary-tree-after-subtree-removal-queries/solutions/2757998/find-2-maximum-of-each-level/>

**二叉树的分治**

**Leetcode** **61. Rotate List**

<https://leetcode.com/problems/rotate-list/description/>

<https://www.lintcode.com/problem/170/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/rotate-list/>

链表题

**Lintcode 511 · Swap Two Nodes in Linked List**

<https://www.lintcode.com/problem/511/description?fromId=167&_from=collection>

<https://www.jiuzhang.com/problem/swap-two-nodes-in-linked-list/>

穿针引线 + 链表题

**Leetcode** **27. Remove Element**

<https://leetcode.com/problems/remove-element/description/>

双指针

**Leetcode** **1706. Where Will the Ball Fall**

<https://leetcode.com/problems/where-will-the-ball-fall/description/>

模拟

**Leetcode** **433. Minimum Genetic Mutation**

<https://leetcode.com/problems/minimum-genetic-mutation/description/>

<https://www.lintcode.com/problem/1244/description>

BFS

**Leetcode** **1620. Coordinate With Maximum Network Quality**

<https://leetcode.com/problems/coordinate-with-maximum-network-quality/description/>

贪心 + 模拟

**Leetcode 1198. Find Smallest Common Element in All Rows**

<https://leetcode.com/problems/find-smallest-common-element-in-all-rows/description/>

二分

**Leetcode** **2131. Longest Palindrome by Concatenating Two Letter Words**

<https://leetcode.com/problems/longest-palindrome-by-concatenating-two-letter-words/description/>

模拟 + 回文串

**Leetcode** **345. Reverse Vowels of a String**

<https://leetcode.com/problems/reverse-vowels-of-a-string/description/>

<https://www.lintcode.com/problem/1282/>

双指针

**Leetcode** **754. Reach a Number**

<https://leetcode.com/problems/reach-a-number/description/>

<https://www.lintcode.com/problem/797/solution/22957>

数学

**Lintcode 1883 · Top K Frequently Mentioned Keywords**

<https://www.lintcode.com/problem/1883/description?fromId=14&_from=collection>

<https://www.jiuzhang.com/problem/top-k-frequently-mentioned-keywords/>

堆 + 字符串处理

**Leetcode** **1106. Parsing A Boolean Expression**

<https://leetcode.com/problems/parsing-a-boolean-expression/description/>

<https://leetcode.cn/problems/parsing-a-boolean-expression/>

栈 + 表达式处理

**Lintcode 1885 · A Strange Sorting Problem**

<https://www.lintcode.com/problem/1885/description?fromId=14&_from=collection>

<https://www.jiuzhang.com/problem/a-strange-sorting-problem/>

自定义排序

**Leetcode** **313. Super Ugly Number**

<https://leetcode.com/problems/super-ugly-number/description/>

<https://www.lintcode.com/problem/518/description?fromId=14&_from=collection>

<https://www.jiuzhang.com/problem/super-ugly-number/>

单调队列

**Leetcode 2461. Maximum Sum of Distinct Subarrays With Length K**

<https://leetcode.com/problems/maximum-sum-of-distinct-subarrays-with-length-k/>

双指针 + 滑动窗口

**Leetcode 2462. Total Cost to Hire K Workers**

<https://leetcode.com/problems/total-cost-to-hire-k-workers/description/>

Minheap + 模拟

**Leetcode 2463. Minimum Total Distance Traveled**

<https://leetcode.com/problems/minimum-total-distance-traveled/description/>

记忆化搜索

**Leetcode** **899. Orderly Queue**

<https://leetcode.com/problems/orderly-queue/description/>

<https://www.lintcode.com/problem/1742/description>

<https://www.jiuzhang.com/problem/orderly-queue/>

数学

**FLAG 63 Lintcode 717 · Tree Longest Path With Same Value**

<https://www.lintcode.com/problem/717/description?fromId=330&_from=collection>

<https://www.jiuzhang.com/problem/tree-longest-path-with-same-value/>

DFS

**FLAG 63 Leetcode** **186. Reverse Words in a String II**

<https://leetcode.com/problems/reverse-words-in-a-string-ii/description/>

<https://www.lintcode.com/problem/927/description?fromId=330&_from=collection>

双指针 + 字符串处理

**Leetcode** **816. Ambiguous Coordinates**

<https://leetcode.com/problems/ambiguous-coordinates/description/>

<https://www.lintcode.com/problem/1372/description>

字符串问题 + 模拟

**FLAG 63 Leetcode** **927. Three Equal Parts**

<https://leetcode.com/problems/three-equal-parts/description/>

<https://www.lintcode.com/problem/1715/description?fromId=330&_from=collection>

模拟

**Leetcode** **1544. Make The String Great**

<https://leetcode.com/problems/make-the-string-great/description/>

栈

**Leetcode** **339. Nested List Weight Sum**

<https://leetcode.com/problems/nested-list-weight-sum/>

<https://www.lintcode.com/problem/551/description>

DFS + BFS

**Leetcode** **213. House Robber II**

<https://leetcode.com/problems/house-robber-ii/description/>

<https://www.lintcode.com/problem/534/description?fromId=330&_from=collection>

DP + 分类讨论

**Leetcode** **723. Candy Crush**

<https://leetcode.com/problems/candy-crush/description/>

<https://www.lintcode.com/problem/858/description?fromId=330&_from=collection>

模拟

**Leetcode** **764. Largest Plus Sign**

<https://leetcode.com/problems/largest-plus-sign/description/>

<https://www.lintcode.com/problem/1044/description>

前缀和

**Lintcode 567 · maximum score**

<https://www.lintcode.com/problem/567/description?fromId=252&_from=collection>

坐标DP

**Lintcode 1578 · Number of A**

<https://www.lintcode.com/problem/1578/description?fromId=252&_from=collection>

二分

**Leetcode** **157. Read N Characters Given Read4**

<https://leetcode.com/problems/read-n-characters-given-read4/description/>

字符串操作

**Leetcode** **158. Read N Characters Given read4 II - Call Multiple Times**

<https://leetcode.com/problems/read-n-characters-given-read4-ii-call-multiple-times/description/>

<https://www.lintcode.com/problem/660/description?fromId=252&_from=collection>

字符串操作

**Leetcode** **222. Count Complete Tree Nodes**

<https://leetcode.com/problems/count-complete-tree-nodes/description/>

<https://www.lintcode.com/problem/1317/description?fromId=252&_from=collection>

二叉树的分治 + 在答案上二分

**Leetcode** **248. Strobogrammatic Number III**

<https://leetcode.com/problems/strobogrammatic-number-iii/description/>

<https://www.lintcode.com/problem/923/description?fromId=252&_from=collection>

<https://www.jiuzhang.com/problem/strobogrammatic-number-iii/>

DFS

**Leetcode** **863. All Nodes Distance K in Binary Tree**

<https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/description/>

<https://www.lintcode.com/problem/1506/description?fromId=252&_from=collection>

<https://www.jiuzhang.com/problem/all-nodes-distance-k-in-binary-tree/>

DFS + BFS + 二叉树的分治

**Leetcode** **790. Domino and Tromino Tiling**

<https://leetcode.com/problems/domino-and-tromino-tiling/description/>

<https://www.lintcode.com/problem/1026/description>

DP

**Leetcode 2023. Number of Pairs of Strings With Concatenation Equal to Target**

<https://leetcode.com/problems/number-of-pairs-of-strings-with-concatenation-equal-to-target/description/>

哈希

**Leetcode** **348. Design Tic-Tac-Toe**

<https://leetcode.com/problems/design-tic-tac-toe/description/>

降维 + 模拟

**Leetcode** **355. Design Twitter**

<https://leetcode.com/problems/design-twitter/description/>

<https://www.lintcode.com/problem/501/>

ODD

**Leetcode** **152. Maximum Product Subarray**

<https://leetcode.com/problems/maximum-product-subarray/description/>

<https://www.lintcode.com/problem/191/description>

<https://www.jiuzhang.com/problem/maximum-product-subarray/>

DP

**Leetcode** **130. Surrounded Regions**

<https://leetcode.com/problems/surrounded-regions/description/>

<https://www.lintcode.com/problem/477/description>

BFS

**Leetcode** **947. Most Stones Removed with Same Row or Column**

<https://leetcode.com/problems/most-stones-removed-with-same-row-or-column/description/>

并查集

**Leetcode** **338. Counting Bits**

<https://leetcode.com/problems/counting-bits/description/>

位运算

**Leetcode** **220. Contains Duplicate III**

<https://leetcode.com/problems/contains-duplicate-iii/description/>

<https://www.lintcode.com/problem/1318/description>

TreeSet

**Leetcode** **189. Rotate Array**

<https://leetcode.com/problems/rotate-array/description/>

<https://www.lintcode.com/problem/1334/>

翻转问题

**Leetcode** **96. Unique Binary Search Trees**

<https://leetcode.com/problems/unique-binary-search-trees/description/>

<https://www.lintcode.com/problem/163/solution/57923?fromId=328&_from=collection>

DP + BST问题

**Leetcode** **271. Encode and Decode Strings**

<https://leetcode.com/problems/encode-and-decode-strings/description/>

<https://www.lintcode.com/problem/659/description?fromId=328&_from=collection>

<https://www.jiuzhang.com/problem/encode-and-decode-strings/>

字符串操作

**Leetcode 100. Same Tree**

<https://leetcode.com/problems/same-tree/description/>

二叉树的分治

**Leetcode** **572. Subtree of Another Tree**

<https://leetcode.com/problems/subtree-of-another-tree/description/>

<https://www.lintcode.com/problem/659/description?fromId=328&_from=collection>

二叉树的分治

**Leetcode 775. Global and Local Inversions**

<https://leetcode.com/problems/global-and-local-inversions/description/>

<https://www.lintcode.com/problem/1037/description>

<https://www.jiuzhang.com/problem/global-and-local-inversions/>

思维题

**Leetcode** **73. Set Matrix Zeroes**

<https://leetcode.com/problems/set-matrix-zeroes/description/>

模拟

**Leetcode** **172. Factorial Trailing Zeroes**

<https://leetcode.com/problems/factorial-trailing-zeroes/description/>

<https://www.lintcode.com/problem/1347/description>

数学

**Leetcode** **223. Rectangle Area**

<https://leetcode.com/problems/rectangle-area/description/>

数学

**Leetcode 163. Missing Ranges**

<https://leetcode.com/problems/missing-ranges/description/>

<https://www.lintcode.com/problem/641/description>

模拟

**Leetcode 204. Count Primes**

<https://leetcode.com/problems/count-primes/description/>

<https://www.lintcode.com/problem/1324/description>

数学

**Leetcode 891. Sum of Subsequence Widths**

<https://leetcode.com/problems/sum-of-subsequence-widths/description/>

<https://www.lintcode.com/problem/1591/description>

数学

**Leetcode** **279. Perfect Squares**

<https://leetcode.com/problems/perfect-squares/description/>

<https://www.litcode.com/problem/513/description>

DP

**Leetcode** **587. Erect the Fence**

<https://leetcode.com/problems/erect-the-fence/description/>

<https://www.lintcode.com/problem/1152/description>

数学

**Leetcode** **328. Odd Even Linked List**

<https://leetcode.com/problems/odd-even-linked-list/description/>

<https://www.lintcode.com/problem/1292/description>

链表题

**Leetcode** **371. Sum of Two Integers**

<https://leetcode.com/problems/sum-of-two-integers/description/>

<https://www.lintcode.com/problem/1276/>

位运算

**Leetcode** **384. Shuffle an Array**

<https://leetcode.com/problems/shuffle-an-array/description/>

Fisher-Yates Algorithm

**Leetcode 2477. Minimum Fuel Cost to Report to the Capital**

<https://leetcode.com/problems/minimum-fuel-cost-to-report-to-the-capital/description/>

**DFS + 图**

**Leetcode 2478. Number of Beautiful Partitions**

<https://leetcode.com/problems/number-of-beautiful-partitions/solutions/?orderBy=most_votes>

DP

**Leetcode 799. Champagne Tower**

<https://leetcode.com/problems/champagne-tower/description/>

<https://www.lintcode.com/problem/1018/description>

模拟

**Leetcode** **808. Soup Servings**

<https://leetcode.com/problems/soup-servings/description/>

<https://www.lintcode.com/problem/1009/description>

记忆化

**Leetcode** **878. Nth Magical Number**

<https://leetcode.com/problems/nth-magical-number/description/>

<https://www.lintcode.com/problem/1608/description>

二分搜索

**Leetcode 795. Number of Subarrays with Bounded Maximum**

<https://leetcode.com/problems/number-of-subarrays-with-bounded-maximum/description/>

<https://www.lintcode.com/problem/1021/description>

<https://www.jiuzhang.com/problem/number-of-subarrays-with-bounded-maximum/>

双指针 + 滑动窗口

**Leetcode** **809. Expressive Words**

<https://leetcode.com/problems/expressive-words/description/>

<https://www.lintcode.com/problem/1008/description>

双指针

**Leetcode** **882. Reachable Nodes In Subdivided Graph**

<https://leetcode.com/problems/reachable-nodes-in-subdivided-graph/description/>

<https://www.lintcode.com/problem/1600/description>

Dijkstra's SPFA？

**Leetcode** **446. Arithmetic Slices II – Subsequence**

<https://leetcode.com/problems/arithmetic-slices-ii-subsequence/description/>

<https://www.lintcode.com/problem/984/description>

<https://www.jiuzhang.com/problem/arithmetic-slices-ii-subsequence/>

DP

**Leetcode** **1752. Check if Array Is Sorted and Rotated**

<https://leetcode.com/problems/check-if-array-is-sorted-and-rotated/description/>

旋转数组

**Leetcode** **2488. Count Subarrays With Median K**

<https://leetcode.com/problems/count-subarrays-with-median-k/description/>

中位数

**Leetcode** **679. 24 Game**

<https://leetcode.com/problems/24-game/description/>

<https://www.lintcode.com/problem/739/>

DFS + 回溯

**Leetcode** **813. Largest Sum of Averages**

<https://leetcode.com/problems/largest-sum-of-averages/description/>

<https://www.lintcode.com/problem/1004/description>

DP

**Leetcode** **1216. Valid Palindrome III**

<https://leetcode.com/problems/valid-palindrome-iii/description/>

记忆化

**Leetcode** **895. Maximum Frequency Stack**

<https://leetcode.com/problems/maximum-frequency-stack/description/>

栈 + OOD

**Leetcode** **698. Partition to K Equal Sum Subsets**

<https://leetcode.com/problems/partition-to-k-equal-sum-subsets/description/>

<https://www.lintcode.com/problem/836/description>

<https://www.jiuzhang.com/problem/partition-to-k-equal-sum-subsets/>

记忆化搜索

**Leetcode** **1657. Determine if Two Strings Are Close**

<https://leetcode.com/problems/partition-to-k-equal-sum-subsets/description/>

哈希

**Leetcode** **1769. Minimum Number of Operations to Move All Balls to Each Box**

<https://leetcode.com/problems/minimum-number-of-operations-to-move-all-balls-to-each-box/description/>

递推 + 带点DP的感觉

**Leetcode** **649. Dota2 Senate**

<https://leetcode.com/problems/dota2-senate/description/>

<https://www.lintcode.com/problem/1109/description?fromId=331&_from=collection>

<https://www.jiuzhang.com/problem/dota2-senate/>

贪心

**Leetcode** **935. Knight Dialer**

<https://leetcode.com/problems/knight-dialer/description/>

<https://www.lintcode.com/problem/1707/description?fromId=331&_from=collection>

记忆化

**Leetcode** **2256. Minimum Average Difference**

<https://leetcode.com/problems/minimum-average-difference/description/>

前缀和

**Leetcode** **1774. Closest Dessert Cost**

<https://leetcode.com/problems/closest-dessert-cost/description/>

dfs

**Leetcode** **2493. Divide Nodes Into the Maximum Number of Groups**

<https://leetcode.com/problems/divide-nodes-into-the-maximum-number-of-groups/description/>

**并查集 + BFS**

**Leetcode** **1687. Delivering Boxes from Storage to Ports**

<https://leetcode.com/problems/delivering-boxes-from-storage-to-ports/description/>

DP + 滑动窗口

**Leetcode** **652. Find Duplicate Subtrees**

<https://leetcode.com/problems/find-duplicate-subtrees/description/>

二叉树的分治

**Leetcode** **Range Sum of BST**

<https://leetcode.com/problems/range-sum-of-bst/description/>

<https://www.lintcode.com/problem/1704/description>

<https://www.jiuzhang.com/problem/range-sum-of-bst/>

二叉树的分治

**Leetcode** **1775. Equal Sum Arrays With Minimum Number of Operations**

<https://leetcode.com/problems/equal-sum-arrays-with-minimum-number-of-operations/description/>

贪心

**Leetcode** **1026. Maximum Difference Between Node and Ancestor**

<https://leetcode.com/problems/maximum-difference-between-node-and-ancestor/description/>

二叉树的分治

**Leetcode** **1780. Check if Number is a Sum of Powers of Three**

<https://leetcode.com/problems/check-if-number-is-a-sum-of-powers-of-three/description/>

数学

**Leetcode 855. Exam Room**

<https://leetcode.com/problems/exam-room/description/>

<https://www.lintcode.com/problem/1513/>

treeSet

**Leetcode** **1339. Maximum Product of Splitted Binary Tree**

<https://leetcode.com/problems/maximum-product-of-splitted-binary-tree/description/>

二叉树的分治

**Leetcode** **1691. Maximum Height by Stacking Cuboids**

<https://leetcode.com/problems/maximum-height-by-stacking-cuboids/description/>

DP + LIS + 记忆化

**Leetcode 2503. Maximum Number of Points From Grid Queries**

<https://leetcode.com/problems/maximum-number-of-points-from-grid-queries/description/>

**并查集**

**Leetcode** **1781. Sum of Beauty of All Substrings**

<https://leetcode.com/problems/sum-of-beauty-of-all-substrings/description/>

暴力

**Leetcode** **1697. Checking Existence of Edge Length Limited Paths**

<https://leetcode.com/problems/checking-existence-of-edge-length-limited-paths/description/>

并查集 + 类似与leetcode2503

**Leetcode** **Campus Bikes II**

<https://leetcode.com/problems/campus-bikes-ii/description/>

记忆化 + 状态压缩

**Leetcode** **276. Paint Fence**

<https://leetcode.com/problems/paint-fence/description/>

<https://www.lintcode.com/problem/514/description>

DP + 记忆化

**Leetcode** **739. Daily Temperatures**

<https://leetcode.com/problems/daily-temperatures/description/>

<https://www.lintcode.com/problem/1060/description>

单调栈

**Leetcode** **1703. Minimum Adjacent Swaps for K Consecutive Ones**

<https://leetcode.com/problems/minimum-adjacent-swaps-for-k-consecutive-ones/description/>

前缀和 + 贪心

**Lintcode 1889 · Interval Merge**

<https://www.lintcode.com/problem/1889/description>

<https://www.jiuzhang.com/problem/interval-merge/>

模拟

**Leetcode 1760. Minimum Limit of Balls in a Bag**

<https://leetcode.com/problems/minimum-limit-of-balls-in-a-bag/>

在答案集上二分

**Leetcode** **522. Longest Uncommon Subsequence II**

<https://leetcode.com/problems/longest-uncommon-subsequence-ii/description/>

<https://www.lintcode.com/problem/1191/description>

模拟

**Leetcode** **834. Sum of Distances in Tree**

<https://leetcode.com/problems/sum-of-distances-in-tree/description/>

<https://www.lintcode.com/problem/1434/description>

dfs

**Leetcode** **1799. Maximize Score After N Operations**

<https://leetcode.com/problems/maximize-score-after-n-operations/description/>

记忆化 + 状态压缩

**Leetcode** **1754. Largest Merge Of Two Strings**

<https://leetcode.com/problems/largest-merge-of-two-strings/description/>

贪心

**Leetcode** **1739. Building Boxes**

<https://leetcode.com/problems/building-boxes/description/>

模拟

**Leetcode 373. Find K Pairs with Smallest Sums**

<https://leetcode.com/problems/find-k-pairs-with-smallest-sums/description/>

k路归并

**Leetcode 1428. Leftmost Column with at Least a One**

<https://leetcode.com/problems/leftmost-column-with-at-least-a-one/description/>

二分搜索

**Leetcode** **980. Unique Paths III**

<https://leetcode.com/problems/unique-paths-iii/description/>

dfs

**Lintcode 679 · Unique Paths III**

<https://www.lintcode.com/problem/679/description>

记忆化

**Leetcode** **1802. Maximum Value at a Given Index in a Bounded Array**

<https://leetcode.com/problems/maximum-value-at-a-given-index-in-a-bounded-array/description/>

在答案上二分

**Leetcode** **1803. Count Pairs With XOR in a Range**

<https://leetcode.com/problems/count-pairs-with-xor-in-a-range/description/>

Trie 字典树

**Leetcode** **452. Minimum Number of Arrows to Burst Balloons**

<https://leetcode.com/problems/minimum-number-of-arrows-to-burst-balloons/description/>

<https://www.lintcode.com/problem/1232/description>

贪心

**Leetcode 2531. Make Number of Distinct Characters Equal**

<https://leetcode.com/problems/make-number-of-distinct-characters-equal/description/>

深拷贝

**Leetcode 2532. Time to Cross a Bridge**

<https://leetcode.com/problems/time-to-cross-a-bridge/>

heap + 模拟

**Leetcode** **65. Valid Number**

<https://leetcode.com/problems/valid-number/>

正则 + 模拟

**Leetcode 71. Simplify Path**

<https://leetcode.com/problems/simplify-path/description/>

<https://www.lintcode.com/problem/421/description>

栈模拟

**Leetcode** **249. Group Shifted Strings**

<https://leetcode.com/problems/group-shifted-strings/description/>

哈希

**Leetcode** **753. Cracking the Safe**

<https://leetcode.com/problems/cracking-the-safe/description/>

<https://www.lintcode.com/problem/1050/>

回溯 + DFS

**Leetcode 1443. Minimum Time to Collect All Apples in a Tree**

<https://leetcode.com/problems/minimum-time-to-collect-all-apples-in-a-tree/description/>

图的DFS

**Leetcode** **1519. Number of Nodes in the Sub-Tree With the Same Label**

<https://leetcode.com/problems/number-of-nodes-in-the-sub-tree-with-the-same-label/description/>

图的DFS

**Leetcode** **708. Insert into a Sorted Circular Linked List**

<https://leetcode.com/problems/insert-into-a-sorted-circular-linked-list/description/>

链表操作

**Leetcode 2246. Longest Path With Different Adjacent Characters**

<https://leetcode.com/problems/longest-path-with-different-adjacent-characters/description/>

图的DFS

**Leetcode 1819. Number of Different Subsequences GCDs**

<https://leetcode.com/problems/number-of-different-subsequences-gcds/description/>

数学

**Leetcode 1061. Lexicographically Smallest Equivalent String**

<https://leetcode.com/problems/lexicographically-smallest-equivalent-string/description/>

并查集

**Leetcode** **Find the Index of the Large Integer**

<https://leetcode.com/problems/find-the-index-of-the-large-integer/description/>

二分

**Leetcode** **2538. Difference Between Maximum and Minimum Price Sum**

<https://leetcode.com/problems/difference-between-maximum-and-minimum-price-sum/>

图的DFS + 记忆化

**Leetcode** **1813. Sentence Similarity III**

<https://leetcode.com/problems/sentence-similarity-iii/description/>

字符串操作

**Leetcode** **1814. Count Nice Pairs in an Array**

<https://leetcode.com/problems/count-nice-pairs-in-an-array/description/>

哈希

**Leetcode** **1825. Finding MK Average**

<https://leetcode.com/problems/finding-mk-average/description/>

OOD + treeMap

**Leetcode 918. Maximum Sum Circular Subarray**

<https://leetcode.cn/problems/finding-mk-average/>

<https://www.lintcode.com/problem/1724/>

特殊算法