**Leetcode 题目分类合集**

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| * 题目来源：（[**leetcode hot100**](https://leetcode-cn.com/problem-list/2cktkvj/)**∪**[**leetcode题号前300**](https://leetcode-cn.com/problemset/algorithms/)**∪少量经典类型题** ）&&不包含95%[代码随想录](https://programmercarl.com/)； * 还有5%是因为把数组部分的题归类到其他的题型去了 * 题目总数：接近200道 * 题目的分类会随着我做题的推进有微小的调整哈 * 部分题目会标注低频的[CodeTop](https://codetop.cc/home)出现频次，频率低，不代表不重要，因为这**非常有可能是笔试题** |

1. **数组||矩阵**

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| * [54. 螺旋矩阵 - 力扣（LeetCode）](https://leetcode-cn.com/problems/spiral-matrix/) * [59. 螺旋矩阵 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/spiral-matrix-ii/) * [48. 旋转图像 - 力扣（LeetCode）](https://leetcode-cn.com/problems/rotate-image/) * [31. 下一个排列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/next-permutation/) * [189. 轮转数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/rotate-array/) * [169. 多数元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/majority-element/) * [229. 求众数 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/majority-element-ii/) * [581. 最短无序连续子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/shortest-unsorted-continuous-subarray/) * [73. 矩阵置零 - 力扣（LeetCode）](https://leetcode-cn.com/problems/set-matrix-zeroes/) |

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| **hard！！**   * [149. 直线上最多的点数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/max-points-on-a-line/) |

1. **数学||位运算**

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| * [136. 只出现一次的数字 - 力扣（LeetCode）](https://leetcode-cn.com/problems/single-number/) * [137. 只出现一次的数字 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/single-number-ii/) * [166. 分数到小数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/fraction-to-recurring-decimal/) * [461. 汉明距离 - 力扣（LeetCode）](https://leetcode-cn.com/problems/hamming-distance/) * [338. 比特位计数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/counting-bits/) * [172. 阶乘后的零 - 力扣（LeetCode）](https://leetcode-cn.com/problems/factorial-trailing-zeroes/) * [29. 两数相除 - 力扣（LeetCode）](https://leetcode-cn.com/problems/divide-two-integers/submissions/) * [7. 整数反转 - 力扣（LeetCode）](https://leetcode-cn.com/problems/reverse-integer/) * [9. 回文数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/palindrome-number) * [12. 整数转罗马数字 - 力扣（LeetCode）](https://leetcode-cn.com/problems/integer-to-roman/) * [13. 罗马数字转整数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/roman-to-integer/) * [43. 字符串相乘 - 力扣（LeetCode）](https://leetcode-cn.com/problems/multiply-strings/) * [66. 加一 - 力扣（LeetCode）](https://leetcode-cn.com/problems/plus-one/) * [67. 二进制求和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/add-binary/) * [89. 格雷编码 - 力扣（LeetCode）](https://leetcode-cn.com/problems/gray-code/)（CodeTop:3） * [118. 杨辉三角 - 力扣（LeetCode）](https://leetcode-cn.com/problems/pascals-triangle/) * [119. 杨辉三角 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/pascals-triangle-ii/) * [168. Excel表列名称 - 力扣（LeetCode）](https://leetcode-cn.com/problems/excel-sheet-column-title/) * [171. Excel 表列序号 - 力扣（LeetCode）](https://leetcode-cn.com/problems/excel-sheet-column-number/) * [179. 最大数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/largest-number/) * [190. 颠倒二进制位 - 力扣（LeetCode）](https://leetcode-cn.com/problems/reverse-bits/) * [191. 位1的个数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/number-of-1-bits/) * [201. 数字范围按位与 - 力扣（LeetCode）](https://leetcode-cn.com/problems/bitwise-and-of-numbers-range/)（CodeTop:0） * [204. 计数质数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/count-primes/) * [223. 矩形面积 - 力扣（LeetCode）](https://leetcode-cn.com/problems/rectangle-area/)（CodeTop:1） * [231. 2 的幂 - 力扣（LeetCode）](https://leetcode-cn.com/problems/power-of-two/) * [238. 除自身以外数组的乘积 - 力扣（LeetCode）](https://leetcode-cn.com/problems/product-of-array-except-self/) * [258. 各位相加 - 力扣（LeetCode）](https://leetcode-cn.com/problems/add-digits/) * [263. 丑数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/ugly-number/) * [268. 丢失的数字 - 力扣（LeetCode）](https://leetcode-cn.com/problems/missing-number/) |

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| **hard！！**   * [233. 数字 1 的个数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/number-of-digit-one/) |

2. **链表**

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| * [21. 合并两个有序链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/merge-two-sorted-lists/) * [114. 二叉树展开为链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/flatten-binary-tree-to-linked-list/) * [109. 有序链表转换二叉搜索树 - 力扣（LeetCode）](https://leetcode-cn.com/problems/convert-sorted-list-to-binary-search-tree/) * [138. 复制带随机指针的链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/copy-list-with-random-pointer/) * [234. 回文链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/palindrome-linked-list/) * [141. 环形链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/linked-list-cycle/) * [61. 旋转链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/rotate-list/submissions/) * [83. 删除排序链表中的重复元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-list/) * [82. 删除排序链表中的重复元素 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-list-ii/) * [86. 分隔链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/partition-list/) * [2. 两数相加 - 力扣（LeetCode）](https://leetcode-cn.com/problems/add-two-numbers/) * [21. 合并两个有序链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/merge-two-sorted-lists/) * [148. 排序链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/sort-list/) * [82. 删除排序链表中的重复元素 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-list-ii) * [83. 删除排序链表中的重复元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-list) * [92. 反转链表 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/reverse-linked-list-ii) * [109. 有序链表转换二叉搜索树 - 力扣（LeetCode）](https://leetcode-cn.com/problems/convert-sorted-list-to-binary-search-tree) * [143. 重排链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/reorder-list/) * [146. LRU 缓存机制 - 力扣（LeetCode）](https://leetcode-cn.com/problems/lru-cache) * [147. 对链表进行插入排序 - 力扣（LeetCode）](https://leetcode-cn.com/problems/insertion-sort-list) * [237. 删除链表中的节点 - 力扣（LeetCode）](https://leetcode-cn.com/problems/delete-node-in-a-linked-list) * [328. 奇偶链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/odd-even-linked-list) * [237. 删除链表中的节点 - 力扣（LeetCode）](https://leetcode-cn.com/problems/delete-node-in-a-linked-list/) * [287. 寻找重复数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-the-duplicate-number/) |

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| **hard！！**   * [25. K 个一组翻转链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/reverse-nodes-in-k-group) * [460. LFU 缓存 - 力扣（LeetCode）](https://leetcode-cn.com/problems/lfu-cache/) |

3. **哈希**

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| * [128. 最长连续序列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-consecutive-sequence/) * [166. 分数到小数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/fraction-to-recurring-decimal/) * [448. 找到所有数组中消失的数字 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-all-numbers-disappeared-in-an-array/) * [567. 字符串的排列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/permutation-in-string/) * [49. 字母异位词分组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/group-anagrams/) * [554. 砖墙 - 力扣（LeetCode）](https://leetcode-cn.com/problems/brick-wall/submissions/) * [1002. 查找共用字符 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-common-characters/) * [205. 同构字符串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/isomorphic-strings/) * [217. 存在重复元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/contains-duplicate/) * [260. 只出现一次的数字 III - 力扣（LeetCode）](https://leetcode-cn.com/problems/single-number-iii/) * [290. 单词规律 - 力扣（LeetCode）](https://leetcode-cn.com/problems/word-pattern/) * [36. 有效的数独 - 力扣（LeetCode）](https://leetcode-cn.com/problems/valid-sudoku/) |

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| **hard！！**   * [41. 缺失的第一个正数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/first-missing-positive/) |

4. **字符串**

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| * [6. Z 字形变换 - 力扣（LeetCode）](https://leetcode-cn.com/problems/zigzag-conversion/) * [8. 字符串转换整数 (atoi) - 力扣（LeetCode）](https://leetcode-cn.com/problems/string-to-integer-atoi/) * [14. 最长公共前缀 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-common-prefix/) * [38. 外观数列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/count-and-say/) * [58. 最后一个单词的长度 - 力扣（LeetCode）](https://leetcode-cn.com/problems/length-of-last-word/) * [125. 验证回文串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/valid-palindrome/) |

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| **hard！！**   * [214. 最短回文串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/shortest-palindrome/) * [273. 整数转换英文表示 - 力扣（LeetCode）](https://leetcode-cn.com/problems/integer-to-english-words/) |

5. **双指针**

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| * [75. 颜色分类 - 力扣（LeetCode）](https://leetcode-cn.com/problems/sort-colors/) * [165. 比较版本号 - 力扣（LeetCode）](https://leetcode-cn.com/problems/compare-version-numbers/) * [11. 盛最多水的容器 - 力扣（LeetCode）](https://leetcode-cn.com/problems/container-with-most-water/) * [977. 有序数组的平方 - 力扣（LeetCode）](https://leetcode-cn.com/problems/squares-of-a-sorted-array/) * [283. 移动零 - 力扣（LeetCode）](https://leetcode-cn.com/problems/move-zeroes/) * [16. 最接近的三数之和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/3sum-closest/) * [26. 删除有序数组中的重复项 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-array/) * [27. 移除元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-element/) * [80. 删除有序数组中的重复项 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicates-from-sorted-array-ii/) * [228. 汇总区间 - 力扣（LeetCode）](https://leetcode-cn.com/problems/summary-ranges/) * [581. 最短无序连续子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/shortest-unsorted-continuous-subarray/) |

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| **hard！！**   * [30. 串联所有单词的子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/substring-with-concatenation-of-all-words/) |

6. **普通栈**

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| * [155. 最小栈 - 力扣（LeetCode）](https://leetcode-cn.com/problems/min-stack/) * [394. 字符串解码 - 力扣（LeetCode）](https://leetcode-cn.com/problems/decode-string/) * [227. 基本计算器 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/basic-calculator-ii/) |

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| **hard！！**   * [224. 基本计算器 - 力扣（LeetCode）](https://leetcode-cn.com/problems/basic-calculator/) * [32. 最长有效括号 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-valid-parentheses/) |

7. **单调栈**

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| * [581. 最短无序连续子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/shortest-unsorted-continuous-subarray/) * [316. 去除重复字母 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-duplicate-letters/) |

8. **优先队列**

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| * [264. 丑数 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/ugly-number-ii/) |

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| **hard！！**   * [295. 数据流的中位数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-median-from-data-stream/) * [23. 合并K个升序链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/merge-k-sorted-lists/) * [218. 天际线问题 - 力扣（LeetCode）](https://leetcode-cn.com/problems/the-skyline-problem/) |

9. **二叉树**

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| * [543. 二叉树的直径 - 力扣（LeetCode）](https://leetcode-cn.com/problems/diameter-of-binary-tree/) * [114. 二叉树展开为链表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/flatten-binary-tree-to-linked-list/) * [437. 路径总和 III - 力扣（LeetCode）](https://leetcode-cn.com/problems/path-sum-iii/) * [95. 不同的二叉搜索树 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/unique-binary-search-trees-ii/) * [99. 恢复二叉搜索树 - 力扣（LeetCode）](https://leetcode-cn.com/problems/recover-binary-search-tree/) * [103. 二叉树的锯齿形层序遍历 - 力扣（LeetCode）](https://leetcode-cn.com/problems/binary-tree-zigzag-level-order-traversal/) * [129. 求根节点到叶节点数字之和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/sum-root-to-leaf-numbers/) * [156. 上下翻转二叉树 - 力扣（LeetCode）](https://leetcode-cn.com/problems/binary-tree-upside-down/) * [173. 二叉搜索树迭代器 - 力扣（LeetCode）](https://leetcode-cn.com/problems/binary-search-tree-iterator/) * [230. 二叉搜索树中第K小的元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/kth-smallest-element-in-a-bst/) |

10. **滑动窗口**

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| * [76. 最小覆盖子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/minimum-window-substring/) * [3. 无重复字符的最长子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-substring-without-repeating-characters/) * [159. 至多包含两个不同字符的最长子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-substring-with-at-most-two-distinct-characters/) * [209. 长度最小的子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/minimum-size-subarray-sum/) * [567. 字符串的排列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/permutation-in-string/) * [1004. 最大连续1的个数 III - 力扣（LeetCode）](https://leetcode-cn.com/problems/max-consecutive-ones-iii/) * [30. 串联所有单词的子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/substring-with-concatenation-of-all-words/) * [438. 找到字符串中所有字母异位词 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-all-anagrams-in-a-string/) * [187. 重复的DNA序列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/repeated-dna-sequences/) * [220. 存在重复元素 III - 力扣（LeetCode）](https://leetcode-cn.com/problems/contains-duplicate-iii/) |

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| **hard ! !**   * [124. 二叉树中的最大路径和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/binary-tree-maximum-path-sum/) * [76. 最小覆盖子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/minimum-window-substring/) |

11. **二分法**

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| * [704. 二分查找 - 力扣（LeetCode）](https://leetcode-cn.com/problems/binary-search/) * [633. 平方数之和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/sum-of-square-numbers/) * [74. 搜索二维矩阵 - 力扣（LeetCode）](https://leetcode-cn.com/problems/search-a-2d-matrix/) * [50. Pow(x, n) - 力扣（LeetCode）](https://leetcode-cn.com/problems/powx-n/) * [35. 搜索插入位置 - 力扣（LeetCode）](https://leetcode-cn.com/problems/search-insert-position/) * [29. 两数相除 - 力扣（LeetCode）](https://leetcode-cn.com/problems/divide-two-integers/) * [33. 搜索旋转排序数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/search-in-rotated-sorted-array/) * [81. 搜索旋转排序数组 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/search-in-rotated-sorted-array-ii/) * [34. 在排序数组中查找元素的第一个和最后一个位置 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-first-and-last-position-of-element-in-sorted-array/) * [153. 寻找旋转排序数组中的最小值 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-minimum-in-rotated-sorted-array/) * [162. 寻找峰值 - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-peak-element/) * [69. Sqrt(x) - 力扣（LeetCode）](https://leetcode-cn.com/problems/sqrtx/) * [367. 有效的完全平方数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/valid-perfect-square/) * [1011. 在 D 天内送达包裹的能力 - 力扣（LeetCode）](https://leetcode-cn.com/problems/capacity-to-ship-packages-within-d-days/) * [1482. 制作 m 束花所需的最少天数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/minimum-number-of-days-to-make-m-bouquets/) * [240. 搜索二维矩阵 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/search-a-2d-matrix-ii/) * [274. H 指数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/h-index/) * [275. H 指数 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/h-index-ii/) * [278. 第一个错误的版本 - 力扣（LeetCode）](https://leetcode-cn.com/problems/first-bad-version/) |

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| **hard！！**   * [154. 寻找旋转排序数组中的最小值 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/find-minimum-in-rotated-sorted-array-ii/) * [4. 寻找两个正序数组的中位数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/median-of-two-sorted-arrays/) |

12. **动态规划**

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| * [152. 乘积最大子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/maximum-product-subarray/) * [64. 最小路径和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/minimum-path-sum/) * [5. 最长回文子串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/longest-palindromic-substring/) * [338. 比特位计数 - 力扣（LeetCode）](https://leetcode-cn.com/problems/counting-bits/) * [91. 解码方法 - 力扣（LeetCode）](https://leetcode-cn.com/problems/decode-ways/) * [97. 交错字符串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/interleaving-string/) * [120. 三角形最小路径和 - 力扣（LeetCode）](https://leetcode-cn.com/problems/triangle/) * [221. 最大正方形 - 力扣（LeetCode）](https://leetcode-cn.com/problems/maximal-square/) |

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| **hard！！**   * [87. 扰乱字符串 - 力扣（LeetCode）](https://leetcode-cn.com/problems/scramble-string/) * [132. 分割回文串 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/palindrome-partitioning-ii/) * [174. 地下城游戏 - 力扣（LeetCode）](https://leetcode-cn.com/problems/dungeon-game/) * [312. 戳气球 - 力扣（LeetCode）](https://leetcode-cn.com/problems/burst-balloons/) * [10. 正则表达式匹配 - 力扣（LeetCode）](https://leetcode-cn.com/problems/regular-expression-matching/) * [44. 通配符匹配 - 力扣（LeetCode）](https://leetcode-cn.com/problems/wildcard-matching/) |

13. **DFS/回溯**

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| * [22. 括号生成 - 力扣（LeetCode）](https://leetcode-cn.com/problems/generate-parentheses/) |

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| **hard！！**   * [297. 二叉树的序列化与反序列化 - 力扣（LeetCode）](https://leetcode-cn.com/problems/serialize-and-deserialize-binary-tree/) * [282. 给表达式添加运算符 - 力扣（LeetCode）](https://leetcode-cn.com/problems/expression-add-operators/) * [212. 单词搜索 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/word-search-ii/) * [140. 单词拆分 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/word-break-ii/) * [127. 单词接龙 - 力扣（LeetCode）](https://leetcode-cn.com/problems/word-ladder) * [126. 单词接龙 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/word-ladder-ii/) * [60. 排列序列 - 力扣（LeetCode）](https://leetcode-cn.com/problems/permutation-sequence/) * [52. N皇后 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/n-queens-ii/) * [301. 删除无效的括号 - 力扣（LeetCode）](https://leetcode-cn.com/problems/remove-invalid-parentheses/) |

14. **BFS(地图搜索类型笔试题，可DFS可BFS)**

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| * [1091. 二进制矩阵中的最短路径 - 力扣（LeetCode）](https://leetcode-cn.com/problems/shortest-path-in-binary-matrix/) * [695. 岛屿的最大面积 - 力扣（LeetCode）](https://leetcode-cn.com/problems/max-area-of-island/) * [200. 岛屿数量 - 力扣（LeetCode）](https://leetcode-cn.com/problems/number-of-islands/) * [1254. 统计封闭岛屿的数目 - 力扣（LeetCode）](https://leetcode-cn.com/problems/number-of-closed-islands/) * [130. 被围绕的区域 - 力扣（LeetCode）](https://leetcode-cn.com/problems/surrounded-regions/) * [133. 克隆图 - 力扣（LeetCode）](https://leetcode-cn.com/problems/clone-graph/) * [207. 课程表 - 力扣（LeetCode）](https://leetcode-cn.com/problems/course-schedule/) * [210. 课程表 II - 力扣（LeetCode）](https://leetcode-cn.com/problems/course-schedule-ii/) |

15. **排序**

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| * [347. 前 K 个高频元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/top-k-frequent-elements/) * [912. 排序数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/sort-an-array/) * [215. 数组中的第K个最大元素 - 力扣（LeetCode）](https://leetcode-cn.com/problems/kth-largest-element-in-an-array/) |

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| **hard！！**   * [164. 最大间距 - 力扣（LeetCode）](https://leetcode-cn.com/problems/maximum-gap/) |

16. **模拟||其他**

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| * [621. 任务调度器 - 力扣（LeetCode）](https://leetcode-cn.com/problems/task-scheduler/) * [560. 和为 K 的子数组 - 力扣（LeetCode）](https://leetcode-cn.com/problems/subarray-sum-equals-k/) * [399. 除法求值 - 力扣（LeetCode）](https://leetcode-cn.com/problems/evaluate-division/) * [57. 插入区间 - 力扣（LeetCode）](https://leetcode-cn.com/problems/insert-interval/) * [71. 简化路径 - 力扣（LeetCode）](https://leetcode-cn.com/problems/simplify-path/) * [208. 实现 Trie (前缀树) - 力扣（LeetCode）](https://leetcode-cn.com/problems/implement-trie-prefix-tree/) * [211. 添加与搜索单词 - 数据结构设计 - 力扣（LeetCode）](https://leetcode-cn.com/problems/design-add-and-search-words-data-structure/) * [241. 为运算表达式设计优先级 - 力扣（LeetCode）](https://leetcode-cn.com/problems/different-ways-to-add-parentheses/) * [284. 窥探迭代器 - 力扣（LeetCode）](https://leetcode-cn.com/problems/peeking-iterator/) * [289. 生命游戏 - 力扣（LeetCode）](https://leetcode-cn.com/problems/game-of-life/) * [292. Nim 游戏 - 力扣（LeetCode）](https://leetcode-cn.com/problems/nim-game/) |

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| **hard！！**   * [68. 文本左右对齐 - 力扣（LeetCode）](https://leetcode-cn.com/problems/text-justification/) * [65. 有效数字 - 力扣（LeetCode）](https://leetcode-cn.com/problems/valid-number/) |