

LeetCode 题目总结/分类

笔记本： 算法

创建时间： 2016/6/23 22:35

更新时间： 2016/6/23 22:39

URL： <https://www.douban.com/note/330562764/>

LeetCode 题目总结/分类



马孔多 2014-02-14 10:19:33

注：此分类仅供大概参考，没有精雕细琢。有不同意见欢迎评论~
欢迎参考我的[leetcode代码](#)

利用堆栈：

<http://oj.leetcode.com/problems/evaluate-reverse-polish-notation/>

<http://oj.leetcode.com/problems/longest-valid-parentheses/> （也可以用一维数组，贪心）

<http://oj.leetcode.com/problems/valid-parentheses/>

<http://oj.leetcode.com/problems/largest-rectangle-in-histogram/>

特别注意细节：<http://oj.leetcode.com/problems/trapping-rain-water/>

多种数据结构：

<http://oj.leetcode.com/problems/lru-cache/>

<http://oj.leetcode.com/problems/substring-with-concatenation-of-all-words/> (注意遍历方法)

HASH: <http://oj.leetcode.com/problems/longest-consecutive-sequence/>

简单编程：

<http://oj.leetcode.com/problems/longest-common-prefix/>

<http://oj.leetcode.com/problems/string-to-integer-atoi/> (分析，控制语句)

排序 & 查找：

二分查找：<http://oj.leetcode.com/problems/search-a-2d-matrix/>

二分查找进阶：<http://oj.leetcode.com/problems/search-for-a-range/>

二分查找应用：<http://oj.leetcode.com/problems/sqrtx/>

二分查找应用：<http://oj.leetcode.com/problems/search-insert-position/>

二分查找变种：<http://oj.leetcode.com/problems/search-in-rotated-sorted-array/>

二分查找变种：<http://oj.leetcode.com/problems/search-in-rotated-sorted-array-ii/>

简单数学：

<http://oj.leetcode.com/problems/pascals-triangle/>

<http://oj.leetcode.com/problems/pascals-triangle-ii/>

<http://oj.leetcode.com/problems/powx-n/>

<http://oj.leetcode.com/problems/reverse-integer/>

<http://oj.leetcode.com/problems/plus-one/>

<http://oj.leetcode.com/problems/unique-paths/>

<http://oj.leetcode.com/problems/palindrome-number/>

<http://oj.leetcode.com/problems/permutation-sequence/>

<http://oj.leetcode.com/problems/merge-intervals/>

<http://oj.leetcode.com/problems/valid-number/>

<http://oj.leetcode.com/problems/climbing-stairs/>

<http://oj.leetcode.com/problems/roman-to-integer/>

<http://oj.leetcode.com/problems/integer-to-roman/>

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

区间：<http://oj.leetcode.com/problems/insert-interval/>

大数的数学运算:

<http://oj.leetcode.com/problems/add-binary/>

<http://oj.leetcode.com/problems/add-two-numbers/>

数组:

<http://oj.leetcode.com/problems/remove-element/>

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

<http://oj.leetcode.com/problems/first-missing-positive/>

<http://oj.leetcode.com/problems/spiral-matrix/>

<http://oj.leetcode.com/problems/spiral-matrix-ii/>

<http://oj.leetcode.com/problems/rotate-image/>

遍历技巧: <http://oj.leetcode.com/problems/container-with-most-water/>

<http://oj.leetcode.com/problems/two-sum/>

<http://oj.leetcode.com/problems/3sum/>

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

<http://oj.leetcode.com/problems/4sum/>

<http://oj.leetcode.com/problems/set-matrix-zeroes/>

用好标记数组: <http://oj.leetcode.com/problems/valid-sudoku/>

<http://oj.leetcode.com/problems/next-permutation/>

<http://oj.leetcode.com/problems/word-search/>

<http://oj.leetcode.com/problems/remove-duplicates-from-sorted-array/>

<http://oj.leetcode.com/problems/remove-duplicates-from-sorted-array-ii/>

<http://oj.leetcode.com/problems/sort-colors/>

暴力方法/细节实现:

<http://oj.leetcode.com/problems/max-points-on-a-line/>

链表:

归并排序: <http://oj.leetcode.com/problems/sort-list/>

插入排序: <http://oj.leetcode.com/problems/insertion-sort-list/>

反转、插入: <http://oj.leetcode.com/problems/reorder-list/>

检测是否有环: <http://oj.leetcode.com/problems/linked-list-cycle/>

确定链表环的起点: <http://oj.leetcode.com/problems/linked-list-cycle-ii/>

Deep Copy 带有随机指针的链表: <http://oj.leetcode.com/problems/copy-list-with-random-pointer/>

链表细节: <http://oj.leetcode.com/problems/rotate-list/>

<http://oj.leetcode.com/problems/remove-duplicates-from-sorted-list/>

删除细节: <http://oj.leetcode.com/problems/remove-duplicates-from-sorted-list-ii/>

<http://oj.leetcode.com/problems/partition-list/>

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

Merge 两个链表: <http://oj.leetcode.com/problems/merge-two-sorted-lists/>

Merge 多链表: <http://oj.leetcode.com/problems/merge-k-sorted-lists/>

细节: <http://oj.leetcode.com/problems/reverse-nodes-in-k-group/>

<http://oj.leetcode.com/problems/remove-nth-node-from-end-of-list/>

<http://oj.leetcode.com/problems/reverse-linked-list-ii/>

二叉树遍历: 递归 & 非递归

<http://oj.leetcode.com/problems/same-tree/>

前序: <http://oj.leetcode.com/problems/binary-tree-preorder-traversal/>

中序: <http://oj.leetcode.com/problems/binary-tree-inorder-traversal/>

后序: <http://oj.leetcode.com/problems/binary-tree-postorder-traversal/>

遍历变种: <http://oj.leetcode.com/problems/sum-root-to-leaf-numbers/>

遍历变种: <http://oj.leetcode.com/problems/path-sum/>

遍历变种: <http://oj.leetcode.com/problems/path-sum-ii/>

遍历变种: <http://oj.leetcode.com/problems/maximum-depth-of-binary-tree/>

遍历变种: <http://oj.leetcode.com/problems/minimum-depth-of-binary-tree/>

重建二叉树: <http://oj.leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/>

重建二叉树: <http://oj.leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder/>

traversal/

层次遍历变种: <http://oj.leetcode.com/problems/binary-tree-zigzag-level-order-traversal/>

遍历变种: <http://oj.leetcode.com/problems/symmetric-tree/>

遍历应用: <http://oj.leetcode.com/problems/binary-tree-maximum-path-sum/>

遍历应用: <http://oj.leetcode.com/problems/balanced-binary-tree/>

遍历应用: <http://oj.leetcode.com/problems/recover-binary-search-tree/>

遍历应用: <http://oj.leetcode.com/problems/flatten-binary-tree-to-linked-list/>

level遍历: <http://oj.leetcode.com/problems/binary-tree-level-order-traversal/>

level 遍历: <http://oj.leetcode.com/problems/binary-tree-level-order-traversal-ii/>

level 遍历变种: <http://oj.leetcode.com/problems/populating-next-right-pointers-in-each-node/>

level 遍历变种: <http://oj.leetcode.com/problems/populating-next-right-pointers-in-each-node-ii/>

问题分析/智商/细节:

<http://oj.leetcode.com/problems/single-number/>

<http://oj.leetcode.com/problems/single-number-ii/>

<http://oj.leetcode.com/problems/candy/> ?

<http://oj.leetcode.com/problems/gas-station/>

动态规划:

<http://oj.leetcode.com/problems/triangle/> (最短路径)

<http://oj.leetcode.com/problems/subsets/> (另一种形式)

<http://oj.leetcode.com/problems/subsets-ii/>

<http://oj.leetcode.com/problems/edit-distance/> (经典)

<http://oj.leetcode.com/problems/word-break/>

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

<http://oj.leetcode.com/problems/unique-binary-search-trees/> (动态规划避免递归)

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

<http://oj.leetcode.com/problems/scramble-string/>

<http://oj.leetcode.com/problems/palindrome-partitioning/>

<http://oj.leetcode.com/problems/palindrome-partitioning-ii/>

<http://oj.leetcode.com/problems/interleaving-string/>

<http://oj.leetcode.com/problems/distinct-subsequences/>

<http://oj.leetcode.com/problems/decode-ways/>

<http://oj.leetcode.com/problems/gray-code/>

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

回溯:

<http://oj.leetcode.com/problems/combinations/>

<http://oj.leetcode.com/problems/generate-parentheses/>

<http://oj.leetcode.com/problems/combination-sum/>

<http://oj.leetcode.com/problems/combination-sum-ii/>

<http://oj.leetcode.com/problems/sudoku-solver/>

经典N皇后: <http://oj.leetcode.com/problems/n-queens/>

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

<http://oj.leetcode.com/problems/letter-combinations-of-a-phone-number/>

贪心:

<http://oj.leetcode.com/problems/best-time-to-buy-and-sell-stock/>

<http://oj.leetcode.com/problems/jump-game/>

<http://oj.leetcode.com/problems/jump-game-ii/>

<http://oj.leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/>

<http://oj.leetcode.com/problems/best-time-to-buy-and-sell-stock-iii/>

<http://oj.leetcode.com/problems/maximum-subarray/>

<http://oj.leetcode.com/problems/minimum-window-substring/>

<http://oj.leetcode.com/problems/maximal-rectangle/>

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

分治 & 递归:

<http://oj.leetcode.com/problems/unique-binary-search-trees-ii/>
<http://oj.leetcode.com/problems/restore-ip-addresses/> （时间复杂度有限，递归满足）
<http://oj.leetcode.com/problems/permutations/>
<http://oj.leetcode.com/problems/permutations-ii/>
<http://oj.leetcode.com/problems/convert-sorted-array-to-binary-search-tree/>
<http://oj.leetcode.com/problems/convert-sorted-list-to-binary-search-tree/>
<http://oj.leetcode.com/problems/median-of-two-sorted-arrays/>
<http://oj.leetcode.com/problems/validate-binary-search-tree/>

字符串:

<http://oj.leetcode.com/problems/count-and-say/>
<http://oj.leetcode.com/problems/implement-strstr/> （子串查找）
<http://oj.leetcode.com/problems/anagrams/>
<http://oj.leetcode.com/problems/text-justification/> (细节)
<http://oj.leetcode.com/problems/simplify-path/> （基础控制语句 if-else-for）
<http://oj.leetcode.com/problems/multiply-strings/>
<http://oj.leetcode.com/problems/regular-expression-matching/>
<http://oj.leetcode.com/problems/wildcard-matching/>
<http://oj.leetcode.com/problems/longest-palindromic-substring/>
<http://oj.leetcode.com/problems/zigzag-conversion/>
<http://oj.leetcode.com/problems/length-of-last-word/>
<http://oj.leetcode.com/problems/valid-palindrome/>

图:

深搜/广搜: <http://oj.leetcode.com/problems/clone-graph/>

搜索 & 遍历:

<http://oj.leetcode.com/problems/word-ladder/>
<http://oj.leetcode.com/problems/word-ladder-ii/>
广搜: <http://oj.leetcode.com/problems/surrounded-regions/>

答案: <https://github.com/ghostrong/leetcode/blob/master/c%2B%2B/subsets.cpp>

题解: <http://www.makuiyu.cn/leetcode.html>

题解: <http://www.tianmaying.com/tutorials/tag/Leetcode>

