Categories:

catbegin

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catlist

1111 | pr21. Merge Two Sorted Lists, Easy.

0111 | pr23. Merge k Sorted Lists, Hard

0111 | pr148. Sort List, Medium

0111 | pr147. Insertion Sort List, Medium

1111 | pr206. Reverse Linked List, Easy

1111 | pr92. Reverse Linked List II, Medium

0111 | pr25. Reverse Nodes in k-Group, Hard.

0111 | pr234. Palindrome Linked List, Easy

1111 | pr143. Reorder List, Medium.

1111 | pr61. Rotate List, Medium.

1111 | pr141. Linked List Cycle, Medium

0111 | pr142. Linked List Cycle II, Medium

0111 | pr138. Copy List with Random Pointer, Hard.

1111 | pr83. Remove Duplicates from Sorted List, Easy

0111 | pr82. Remove Duplicates from Sorted List II, Medium

0111 | pr86. Partition List, Medium

0111 | pr24. Swap Nodes in Pairs, Medium

1111 | pr19. Remove Nth Node From End of List, Easy

1111 | pr160. Intersection of Two Linked Lists, Easy

1111 | pr203. Remove Linked List Elements, Easy

0111 | pr237. Delete Node in a Linked List, Easy

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cattree

0011 | pr94. Binary Tree Inorder Traversal, Medium

0111 | pr144. Binary Tree Preorder Traversal, Medium

0001 | pr145. Binary Tree Postorder Traversal, Hard

0111 | pr102. Binary Tree Level Order Traversal, Easy

0111 | pr107. Binary Tree Level Order Traversal II, Easy

0111 | pr103. Binary Tree Zigzag Level Order Traversal, Medium

1111 | pr100. Same Tree, Easy.

0111 | pr101. Symmetric Tree, Easy

0111 | pr116. Populating Next Right Pointers in Each Node, Medium

0011 | pr117. Populating Next Right Pointers in Each Node II, Hard.

1111 | pr104. Maximum Depth of Binary Tree, Easy.

1111 | pr111. Minimum Depth of Binary Tree, Easy.

0111 | pr156. Binary Tree Upside Down, Medium

011 | pr199. Binary Tree Right Side View, Medium

111 | pr226. Invert Binary Tree, Easy

001 | pr129. Sum Root to Leaf Numbers, Medium.

111 | pr112. Path Sum, Easy.

011 | pr113. Path Sum II, Medium.

000 | pr124. Binary Tree Maximum Path Sum, Hard. 題意節點的值可為負數.

011 | pr110. Balanced Binary Tree, Easy.

001 | pr114. Flatten Binary Tree to Linked List, Medium. 題意flatten後每個節點的左兒子為null, 若不弄成null, 則通不過或報超時.

011 | pr105. Construct Binary Tree from Preorder and Inorder Traversal, Medium

011 | pr106. Construct Binary Tree from Inorder and Postorder Traversal, Medium

011 | pr222. Count Complete Tree Nodes, Medium

--0 | pr298. Binary Tree Longest Consecutive Sequence, Medium. 題意是最長序列要是遞增的.

--0 | pr314. Binary Tree Vertical Order Traversal, Medium

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catbst

0111 | pr230. Kth Smallest Element in a BST, Medium

000 | pr99. Recover Binary Search Tree, Hard.

011 | pr235. Lowest Common Ancestor of a Binary Search Tree, Easy

011 | pr236. Lowest Common Ancestor of a Binary Tree, Medium. 題意輸入的樹中可能有相同值的節點.

010 | pr96. Unique Binary Search Trees. Medium.

010 | pr95. Unique Binary Search Trees II, Medium.

011 | pr173. Binary Search Tree Iterator, Medium.

001 | pr98. Validate Binary Search Tree, Medium. 題意root為null時, 也算BST.

011 | pr108. Convert Sorted Array to Binary Search Tree, Medium

001 | pr109. Convert Sorted List to Binary Search Tree, Medium

--1 | pr255. Verify Preorder Sequence in Binary Search Tree, Medium

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cattrie

0111 | pr208. Implement Trie (Prefix Tree), Medium

010 | pr211. Add and Search Word - Data structure design, Medium

001 | pr79. Word Search, Medium. 不是Trie題

000 | pr212. Word Search II, Hard. 題意結果要sort.

--1 | pr422. Valid Word Square, Easy.

--1 | pr425. Word Squares, Hard. 輸入數組中的單詞可以重復使用.

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catgraph

0101 | pr133. Clone Graph, Medium.

0101 | pr127. Word Ladder, Medium.

0101 | pr126. Word Ladder II, Hard.

001 | pr207. Course Schedule, Medium.

010 | pr210. Course Schedule II, Medium. 注意本題只是Medium.

--1 | pr261. Graph Valid Tree, Medium. 若輸入edges=[]: 則n=1時返回true, n!=時返回false.

--0 | pr332. Reconstruct Itinerary, Medium.

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catstring

0111 | pr8. String to Integer (atoi), Easy

0111 | pr14. Longest Common Prefix, Easy

1111 | pr38. Count and Say, Easy

0111 | pr28. Implement strStr(), Easy.

111 | pr242. Valid Anagram, Easy. Anagram：单词里的字母的种类和数目没有改变，只是改变了字母的排列顺序。

011 | pr49. Group Anagrams, Medium

011 | pr68. Text Justification, Hard. [""], 0 -> [""]. [""], 2 -> [" "]

--0 | pr418. Sentence Screen Fitting, Medium.

011 | pr71. Simplify Path, Medium.

011 | pr43. Multiply Strings, Medium

011 | pr6. ZigZag Conversion, Easy

111 | pr58. Length of Last Word, Easy. "a " -> 1

011 | pr157. Read N Characters Given Read4, Easy. 題意: read4(buffer)作用從文件中讀入到buffer中, read(buf, n)作用是從文件中讀入到buf中. buffer和buf不是同一個數組, buf是從buffer中讀入的. read4中已實現文件offset: 比如第一次調用read4時, read4讀到文件中的a處, 第二次調用read4時, read4就從文件中a的下一個字符開始讀. Reader4這個類我E3已經寫好了, 直接調用就是. 測試時注意文件末尾都有一個ascii=10的newline符作為結束符.

011 | pr158. Read N Characters Given Read4 II - Call multiple times, Hard

011 | pr3. Longest Substring Without Repeating Characters, Medium

001 | pr159. Longest Substring with At Most Two Distinct Characters, Hard. 題目中即e和c為那兩個distinct characters. 注意題目是說at most 2 dinstinct characters, 而不是at most 2 repeating characters.

--1 | pr340. Longest Substring with At Most K Distinct Characters, Hard.

111 | pr165. Compare Version Numbers, Easy. 輸入的version有可能為"1", "1.0", "0.0.1"

011 | pr179. Largest Number, Medium

011 | pr9. Palindrome Number, Easy

011 | pr125. Valid Palindrome, Easy

011 | pr5. Longest Palindromic Substring, Medium

010 | pr214. Shortest Palindrome, Hard

011 | pr131. Palindrome Partitioning, Medium. II要比本題簡單些, 但本題也不難, 所以還是先做本題

001 | pr132. Palindrome Partitioning II, Hard

011 | pr249. Group Shifted Strings, Easy

000 | pr30. Substring with Concatenation of All Words, Hard.

011 | pr186. Reverse Words in a String II, Medium. 本題其實比151題簡單

011 | pr151. Reverse Words in a String, Medium. 本題與186題的題意不同之處: 本題的input可有leading or trailing spaces, input可有multiple spaces between two words, 本題空簡複雜度可以為 O(n), 而186題要求為O(1).

011 | pr246. Strobogrammatic Number, Easy.

011 | pr247. Strobogrammatic Number II, Medium. 文件correct-output-for-check中有正確輸出, 以供檢查.

011 | pr248. Strobogrammatic Number III, Hard. 文件correct-output-for-check中有正確輸出, 以供檢查.

011 | pr93. Restore IP Addresses, Medium. 一個有效的IP地址由4個數字(我給每個這樣數字叫vrangh)組成, 每個vrangh在0到255之間inclusively. 若vrangh只有一位數, 則它可以為0; 否則若vrangh位數大於一, 則不能以0開頭.

0111| pr139. Word Break, Medium

0111 | pr140. Word Break II, Hard

011 | pr22. Generate Parentheses, Medium

011 | pr241. Different Ways to Add Parentheses, Medium, 輪入可能只有一個數, 沒有運算符

011 | pr20. Valid Parentheses, Easy

000 | pr32. Longest Valid Parentheses, Hard.

011 | pr17. Letter Combinations of a Phone Number, Medium

011 | pr97. Interleaving String, Hard. 輸入String中任何一個都有可能長度為0.

010 | pr115. Distinct Subsequences, Hard

011 | pr91. Decode Ways, Medium

0001 | pr44. Wildcard Matching, Hard.

010 | pr10. Regular Expression Matching, Hard. 題意不清楚, 可見key首.

011 | pr161. One Edit Distance, Medium. OJ中題目沒講Edit Distance意思, 可先看72題題目.

011 | pr72. Edit Distance, Hard.

010 | pr76. Minimum Window Substring, Hard

101 | pr205. Isomorphic Strings, Easy

011 | pr187. Repeated DNA Sequences, Medium

010 | pr87. Scramble String, Hard. 若兩個輸入String是一樣的(如s1=”helo”, s2=”helo”), 則它們也算是互為scramble的.

--1 | pr257. Binary Tree Paths, Easy.

--0 | pr388. Longest Absolute File Path, Medium. 輸入"a", 輸出0, 因為是找file, 必須有點.

--1 | pr394. Decode String, Medium.

--0 | pr471. Encode String with Shortest Length, Hard. 本題是上題反過來.

--0 | pr271. Encode and Decode Strings, Medium. 本題跟394和471無關. 本題考查的不是壓縮空間, 而是如何將一群string連接好後再將它們分開.

--1 | pr288. Unique Word Abbreviation, Easy.

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catarray

0111 | pr1. Two Sum, Medium.

1111 | pr167. Two Sum II - Input array is sorted, Medium

011 | pr170. Two Sum III - Data structure design, Easy.

001 | pr15. 3Sum, Medium

011 | pr16. 3Sum Closest, Medium

--1 | pr259. 3Sum Smaller, Medium

001 | pr18. 4Sum, Medium

011 | pr88. Merge Sorted Array, Easy

011 | pr41. First Missing Positive, Hard. 題目中的positive integer是指從1開始的. 非in-place的也可通過(Easy級別). 盡量寫成寫成in-place的. 注意題目要求constant space. 若輸入[], 則要求返回1.

111 | pr59. Spiral Matrix II, Medium. 本題本質就是旋轉遍歴一個正方形數組. 本題是I的特殊情況, 先做本題, 可以幫助推出I中的公式等.

011 | pr54. Spiral Matrix, Medium. 本題本質就是旋轉遍歴一個任意數組.

111 | pr48. Rotate Image, Medium

011 | pr11. Container With Most Water, Medium. 返回的是面積.

000 | pr42. Trapping Rain Water, Hard. 求整個數組中的總水量, 而不是單個坑中能放的最大水量

111 | pr73. Set Matrix Zeroes, Medium

011 | pr31. Next Permutation, Medium. 题目的意思是：123的全排列按字典顺序為: 123 132 213 231 312 321. 即將123當作一個單詞, 132當作另一個單詞, 則123在字典中是排在132前面的

111 | pr27. Remove Element, Easy

111 | pr26. Remove Duplicates from Sorted Array, Easy

011 | pr80. Remove Duplicates from Sorted Array II, Medium

011 | pr75. Sort Colors, Medium

111 | pr169. Majority Element, Easy, 爭取不用Map.

101 | pr229. Majority Element II, Medium. 題目中沒說一定有majority, 或多少個majority. 169題說的一定有.

010 | pr189. Rotate Array, Easy

010 | pr238. Product of Array Except Self, Medium. 注意output array和input array是不同的數組. The output array does not count as extra space. 即不要求in-place.

011 | pr243. Shortest Word Distance, Easy

011 | pr244. Shortest Word Distance II, Medium

011 | pr245. Shortest Word Distance III, Medium

001 | pr251. Flatten 2D Vector, Medium

011 | pr240. Search a 2D Matrix II. Medium. 本題跟I沒甚麼卵關係.

011 | pr217. Contains Duplicate, Easy

111 | pr219. Contains Duplicate II, Easy

011 | pr220. Contains Duplicate III, Medium. 輸入數組的元素可能為2147483647

000 | pr4. Median of Two Sorted Arrays, Hard. Median的定義為(參考了wiki): 若總共有寄數個數, 則取中間那個數; 若總共有偶數個數, 則取中間的兩個數的平均值. 所以本題返回的是一個double.

111 | pr198. House Robber, Easy

011 | pr213. House Robber II, Medium

011 | pr135. Candy, Hard. 注意是neighbors, 即只要和自己左右相鄰的比較就可以了(即按local的順序給糖, 而不是按global的順序給糖)

011 | pr134. Gas Station, Medium. 題目中travel around the circuit意思是回到最初的出發點上.

011 | pr55. Jump Game, Medium. 本題是判斷能否跳完.

001 | pr45. Jump Game II, Hard. 本題是返回跳完所需最少步數.

011 | pr121. Best Time to Buy and Sell Stock, Medium.

011 | pr122. Best Time to Buy and Sell Stock II, Medium

001 | pr188. Best Time to Buy and Sell Stock IV, Hard. 先做IV, 再做III. III就是IV的特列. 有一個test case的k遠大於數組長度一半, 要先特殊處理. 要時間O(N^2)才能通過.

111 | pr123. Best Time to Buy and Sell Stock III, Hard

010 | pr53. Maximum Subarray, Medium. 要返回的結果是largest sum, 而不是這個subarray. 網上表明, 本題不存在好的divide and conquer方法, 不要再浪費時間去想divide and conquer, 而用標准的O(N)方法即可.

011 | pr152. Maximum Product Subarray, Medium

1111 | pr35. Search Insert Position, Medium. 題意是若找不到, 則返回 'target插入後, target在數組中的位置'

011 | pr34. Search for a Range, Medium.

011 | pr33. Search in Rotated Sorted Array, Hard. 本題的元素無重復, 本題的II即元素有重復的情況

011 | pr81. Search in Rotated Sorted Array II, Medium. 注意本題只要求判斷target在不在數組中, 沒要求返回其位置(本題的I要求返回位置).

111 | pr153. Find Minimum in Rotated Sorted Array, Medium. 本題中的元素是沒有重復的, 本題的II即元素有重復之情況

011 | pr154. Find Minimum in Rotated Sorted Array II, Hard.

011 | pr162. Find Peak Element, Medium

011 | pr209. Minimum Size Subarray Sum, Medium.

010 | pr128. Longest Consecutive Sequence, Hard. 沒有consecutive sequence時, 返回1, 如[3,8,29]

011 | pr239. Sliding Window Maximum, Hard.

000 | pr215. Kth Largest Element in an Array, Medium. 注意不是Kth smallest.

--1 | pr256. Paint House, Medium.

--0 | pr303. Range Sum Query - Immutable, Easy.

--1 | pr304. Range Sum Query 2D - Immutable, Medium.

--0 | pr307. Range Sum Query - Mutable, Medium. 這個係列的四道題, 就本題最難.

--1 | pr308. Range Sum Query 2D - Mutable, Hard.

--0 | pr406. Queue Reconstruction by Height, Medium.

--0 | pr361. Bomb Enemy, Medium.

--1 | pr281. Zigzag Iterator, Medium.

--1 | pr373. Find K Pairs with Smallest Sums, Medium. 注意輸入數組已經是排好序的.

--1 | pr346. Moving Average from Data Stream, Easy. 注意題目要求結果是double, 而不是int.

--1 | pr283. Move Zeroes, Easy.

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catboard

1111 | pr36. Valid Sudoku, Easy.

011 | pr51. N-Queens, Hard. 規則就是要求 每個皇后所在的横竪斜上(不只是一步, 而是整個横竖斜大直線上)都沒有其它皇后.

011 | pr52. N-Queens II, Hard

010 | pr37. Sudoku Solver, Hard. 按9\*9的board寫, 也能通過.

011 | pr200. Number of Islands, Medium. 盡量用BFS, 不要用DFS.

001 | pr305. Number of Islands II, Hard.

000 | pr130. Surrounded Regions, Medium. 題意是大寫字母O, 不是數字0, 也不是小寫字母o.

011 | pr120. Triangle, Medium. 題目中的adjacent number是這麼個意思: 設i為行, j為列, 則triangle[i][j]在下一行的adjacent number為triangle[i+1][j]和triangle[i+1][j+1]兩個.

011 | pr62. Unique Paths, Medium. 注意m為行數, n為列數.

011 | pr63. Unique Paths II, Medium

011 | pr64. Minimum Path Sum, Medium. 本題要返回的是 path sum最小的那條路徑 之path sum

011 | pr174. Dungeon Game, Hard

011 | pr74. Search a 2D Matrix, Medium. 本題做完後移到本題II前面去.

011 | pr149. Max Points on a Line, Hard. 輸入的點中可能有重合的點, 比如一個可能的輸入為: [[1,1],[1,1],[2,2],[2,2]]

000 | pr84. Largest Rectangle in Histogram, Hard. 本題被我評為Leetcode第一難題.

011 | pr85. Maximal Rectangle, Hard. 本題要緊跟84題, 不要分開.

011 | pr221. Maximal Square, Medium. 給的是正方形數組, 要求的是正方形. 注意matrix的元素是char, 而不是int.

--0 | pr289. Game of Life, Medium.

--0 | pr317. Shortest Distance from All Buildings, Hard.

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catcombinatorics

注意本類題目不是所有題都用item-res遞歸法, 甚至可能可以不用遞歸法.

0111 | pr46. Permutations, Medium

011 | pr47. Permutations II, Hard

011 | pr60. Permutation Sequence, Medium. 題意: 排列順序是按數字大小排的, 例如132比123大, 故132在123之後.

111 | pr77. Combinations, Medium

011 | pr254. Factor Combinations, Medium. 更多test case(答案代碼算出的), 按(n, res.size()): (1200, 97), (34500, 197), (80000, 521),

011 | pr39. Combination Sum, Medium. 本題輸入數組中的元素可以重復選. 輸入數組中的元素既然可以重復選, 那麼輸入數組中的元素就沒必需重復了, 所以可以assume輸入數組中的元素無重復. 本題的二與本題正好相反, 輸入數組中的元素既然不能重復選, 所以輸入數組中的元素是可以重復的. 本題及II, III可以算k-sum係列中的.

011 | pr40. Combination Sum II, Medium. 本題輸入數組中的元素不可以重復選.

011 | pr216. Combination Sum III, Medium. 本題題目跟I和II關係不大.

011 | pr78. Subsets, Medium.

011 | pr90. Subsets II, Medium

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catinterval

0111 | pr56. Merge Intervals, Hard

011 | pr57. Insert Interval, Hard. overlap的convention和56題一樣.

011 | pr252. Meeting Rooms, Easy

010 | pr253. Meeting Rooms II, Medium

010 | pr223. Rectangle Area, Easy. 注意本題是求並集, 而不是求交集. rectilinear: 直線的.

010 | pr218. The Skyline Problem, Hard. buildings[i][j]的i表示第i個building, 即building[i]. 而building[i]是一個有三個元素的數組, 比如building[i] = {Li, Ri, Hi}.

111 | pr228. Summary Ranges, Easy

011 | pr163. Missing Ranges, Medium. 輸入數組所有元素應該都在[lower, upper]這個范圍內.

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catarithmetics

0111 | pr7. Reverse Integer, Easy

1111 | pr66. Plus One, Easy. 題目的意思是 輪入數組代表的數 是十进製的, 不是二进製. digit[0]是最高位.

000 | pr65. Valid Number, Hard

111 | pr70. Climbing Stairs, Easy. 題意是樓梯共有n階, 而不是說人總共必須跨n次.

111 | pr13. Roman to Integer, Easy

010 | pr12. Integer to Roman, Medium

011 | pr29. Divide Two Integers, Medium. 5/0 = Integer.MAX\_VALUE, -5/0 = Integer.MIN\_VALUE

011 | pr166. Fraction to Recurring Decimal, Medium. 5/0返回"2147483647", -5/0返回"-2147483648". 本題代碼中可以用除法(a/b)運算, 只是a和b都是int, (a/b)也是int, 而我們要做的就是算出小數結果.

111 | pr118. Pascal's Triangle, Easy

011 | pr119. Pascal's Triangle II, Easy. 此題的row convention與數組是一樣的: [1]為第0行.

011 | pr67. Add Binary, Easy.

011 | pr2. Add Two Numbers, Medium. 2->4->3表示342(三百四十二).

111 | pr171. Excel Sheet Column Number, Easy. 26进製, 先做此題, 再做下題

111 | pr168. Excel Sheet Column Title, Easy. 26进製

011 | pr172. Factorial Trailing Zeroes, Easy. 題目的意思是找n!的右起連續0的個數, 如若n!=23050078000, 則Trailing Zeroes為3個.

111 | pr204. Count Primes, Easy. 最小的素數是2, 而不是1.

010 | pr233. Number of Digit One, Medium

000 | pr164. Maximum Gap, Hard. 題目的意思是找輪入數組被排序後的最大跳躍, 這裡的跳躍是指 '排序後的數組' 中相鄰兩個數的差. 注意輸入數組是unsorted.

011 | pr50. Pow(x, n), Medium. n可為負

111 | pr231. Power of Two, Easy. 0和負數都不算power of two.

111 | pr69. Sqrt(x), Medium.

111 | pr150. Evaluate Reverse Polish Notation, Medium

011 | pr224. Basic Calculator, Medium. 有括號, 無乘除.

011 | pr227. Basic Calculator II, Medium. 有乘除, 無括號. 本題與I沒有甚麼卵關係.

011 | pr202. Happy Number, Easy

--1 | pr258. Add Digits, Easy

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catsystem

0101 | pr146. LRU Cache, Hard.

0111 | pr232. Implement Queue using Stacks, Easy.

111 | pr225. Implement Stack using Queues, Easy.

001 | pr155. Min Stack, Easy. Convention: 若Min Stack為空, 則top()返回0, pop()直接return, getMin()返回0.

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catbit

0101 | pr190. Reverse Bits, Easy.

111 | pr191. Number of 1 Bits, Easy. n可為負數.

011 | pr201. Bitwise AND of Numbers Range, Medium

011 | pr89. Gray Code, Medium. Convention: Input 0 expected [0]

011 | pr136. Single Number, Medium. 找單身狗.

011 | pr137. Single Number II, Medium. 找單身狗. input [1], output 1. 若想用一個長度為常數(如78629)的數組, 是允許的.

--0 | pr260. Single Number III, Medium.

--1 | pr393. UTF-8 Validation, Medium. Leetcode自推中有對題意的解釋.

catend