```
Two Pointers
                                                                                                                      .C 15. 3Sum 🖸 —— 一個 array,固定 i 令 k forward traversal
                                                                                                                    LC 392. Is Subsequence C — 兩個 array, s_i, t_i 不同步 forward traversal
                                                                                                                       -LC 209. Minimum Size Subarray Sum C — 動態伸縮的 window range
                                                                                              Sliding Window
                                                                                                                      - LC 76. Minimum Window Substring C - 搭配 Hash Table 只在必要時縮小 window range
                                                                                              Prefix Sum
                                                                              Array
                                                                                                                -LC 560. Subarray Sum Equals K 🖸 ── 基本題, prefix sum + hash table 的搭配用法
                                                                                                              ·LC 56. Merge Intervals 🖸 —— 用 start time 作為排序(ascending order) 得到最大覆蓋率
                                                                                              Intervals
                                                                                                                   452. Minimum Number of Arrows to Burst Balloons [2] —— 用 start time 作為排序的變形題
                                                                                                                LC 57. Insert Interval C — 持續合併鄰近的 intervals 直到可以插入一個新的 newInterval 且保證 non-overlapping
                                                                                              In-place
                                                                                                              - LC 75. Sort Color C - in-place + two pointers 雙邊不同步移動
                                                                                               WWW.
                                                                                                                        -LC 151. Reverse Words in a String C --- strings. Fields (string) []string
                                                                                               Builtin Function
                                                                                                                        -LC 68. Text Justification C --- strings.Repeat(string, number) string
                                                                              String
                                                                                                                       -LC 1392. Longest Happy Prefix 🖸
                                                                                               KMP Algorithm
                                                                                                                      ►LC 28. Find the Index of the First Occurrence in a String 🖸
                                                                                                                  LC 54. Spiral Matrix 🖸 — 基本遍歷練習
                                                                                                Common
                                                                                                               ►LC 130. Surround Regions 🖸 — BFS, DFS 走訪練習
                                                                                                                LC 73. Set Matrix Zeroes C — 用 matrix[row][0] or matrix[0][col] 作為暫存點
                                                                                                In-place
                                                                              Matrix
                                                                                                                 LC 289. Game of Life 🖸 — 用數字進制(或位元) 作為暫存點
                                                                                                Math
                                                                                                          -LC 48. Rotate Image 🖸 — 轉置矩陣+水平翻轉
                                                                                                                      ←LC 141. Linked List Cycle C — 檢查 Singly Linked List 內是否存在閉環
                                                                                                                        ·LC 138. Copy List with Random Pointer 🖸 — 利用 Hash Table 紀錄 Singly Linked List 的走訪過程
                                                                                                       Common
                                                                                                                       ►LC 21. Merge Two Sorted Lists 🖸 — 合併兩個 Singly Linked List 成一個
                                                                                                                      ►LC 86. Partition List 🖸 — 拆開一個 Singly Linked List 成兩個
                                                                                                                       - LC 92. Reverse Linked List II 🖸 — 反轉 Singly Linked List 基本題
                                                                                                       Reversal
                                                                              Linked List
                                                                                                                       - LC 25. Reverse Nodes in k-Group 🖸 — 反轉 Singly Linked List 進階題
                                                                                                       XXX
                                                                                                                       - LC 61. Rotate List 🖸 — 熟悉串接兩個 sub list 時的串接順序
                                                                                                                       - LC 19. Remove Nth Node From End of List 🖸 —— Singly Linked List 刪除 1 個節點
                                                                                                       Remove
                                                                                                                      ~LC 82. Remove Duplicates from Sorted List II 🖸 — Singly Linked List 刪除 n 個節點
                                                                                                                        - LC 49. Group Anagrams 🖸 —— 基本應用 + [26]int 對字串的特殊應用
                                                                                                       Common
                                                                              Hash Table
                                                                                                                        ·LC 290. Word Pattern 🖸 — 兩個 Hash Table 分別紀錄實際要建立的 mapping,以及是否曾經建立過 mapping
                                                                                                                         LC.128. Longest Consecutive Sequence <a href="Lash Table">LC.128</a>. Longest Consecutive Sequence <a href="Lash Table">LC.
                                                                              Queue
                                                                                                              CLC 150. Evaluate Reverse Polish Notation ☐ — 基礎練習
                                                                                                                   🗅 224. Basic Calculator 🖸 — 額外練習如何正規化四則運算表達式
                                                                              Stack
Data Structure
                                                                                              Monotonic Stack
                                                                                                                        - LC 42. Trapping Rain Water C - descending order 基本題
              and
                                                                                                                        - LC 100. Same Tree 🖸 —— DFS 同步遍歷兩顆樹
       Algorithm
                                                                                                        Common
                                                                                                                          LC 105. Construct Binary Tree from Preorder and Inorder Traversal 🛮 🖸 —— DFS 還原 B-Tree 練習題
                                                                                                                          LC 106. Construct Binary Tree from Inorder and Postorder Traversal 🛮 🗗 — DFS 還原 B-Tree 練習題
                                                                                                                           -LC 114. Flatten Binary Tree to Linked List 🖸 — 基本題
                                                                                                        Post-Order
                                                                                                                             _C 236. Lowest Common Ancestor of a Binary Tree 🖸 — 基本題
                                                                              Binary Tree
                                                                                                                            LC 124. Binary Tree Maximum Path Sum 🖸 — 基本題
                                                                                                                           ←LC 117. Populating Next Right Pointers in Each Node II 🖸 — 基本題
                                                                                                        Level-Order
                                                                                                                           └LC 103. Binary Tree Zigzag Level Order Traversal 🖸 — 稍微變化題
                                                                                                                                                                                                                                                           -solution.1 Post-Order 比較左右子樹
                                                                                                                              - ○ LC 222. Count Complete Tree Nodes 🖸 — 時間複雜度為 O(logn*logn) 的解法,超級經典!
                                                                                                                                                                                                                                                       ── solution.2 Binary Search, 從上往下垂直查找
                                                                                                                                                                                                                                                          ┗ solution.3 Binary Search, 最後一階層水平查找
                                                                                                                                     ·LC 173. Binary Search Tree Iterator 🖸 —— 建立 BST 觀念
                                                                                                                    Common
                                                                              Binary Search Tree
                                                                                                                                    Binary Heap Tree
                                                                                                            ·LC 208. Implement Trie (Prefix Tree) 🖸 — 建立 Trie 觀念
                                                                                           Common
                                                                              Trie
                                                                                                              LC 211. Design Add and Search Words Data Structure 🏻 🖰 — DFS 練習模糊搜尋
                                                                                                            - <mark>LC 212. Word Search II 🖸 ——</mark> 稍微變化題 (如果不維護 Trie 結構比較方便)
                                                                                               Common
                                                                                                                -LC 133. Clone Graph 🖸 — BFS, DFS 走訪練習
                                                                                                                ∠LC 547. Number of Provinces <a>C → 基礎練習</a>
                                                                                               Union Find
                                                                              Graph
                                                                                                                 - LC 399. Evaluate Division <a>C → 稍微變化題</a>
                                                                                               Topological Sort ____ LC 210. Course Schedule II C ___ 基本題
                                                                              Sorting
                                                                                                      -Binary Search
                                                                                                                                     -LC 127. Word Ladder 🖸 ——基本題
                                                                                                      Breadth-First Search
                                                                              Searching
                                                                                                                                       _C 909. Snakes and Ladders C — 有點煩的基本題
                                                                                                      Depth-First Search
                                                                                                      Graph Search
                                                                              Recursion
                                                                              Dynamic Programming
                                                                                                   Design ____ LC 155. Min Stack [2] —— Stack + Monotonic Stack(descending order)
                                                                             Advanced
                                                                                                                  LC 146. LRU Cache [2] — Linked List + Hash Table,以及練習 container/list
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-LC II. Container With Most Water 🖸 —— 一個 array,left forward, right backward 不同步移動