

Data Structure and Algorithm

Array

Two Pointers

- LC 11. Container With Most Water [↗](#) — 一個 array , left forward , right backward 不同步移動
- LC 15. 3Sum [↗](#) — 一個 array , 固定 i 令 k forward traversal
- LC 392. Is Subsequence [↗](#) — 兩個 array , s_i, t_i 不同步 forward traversal

Sliding Window

- LC 209. Minimum Size Subarray Sum [↗](#) — 動態伸縮的 window range
- LC 76. Minimum Window Substring [↗](#) — 搭配 Hash Table 只在必要時縮小 window range

String

Builtin Function

- LC 151. Reverse Words in a String [↗](#) — strings.Fields(string) []string
- LC 125. Valid Palindrome [↗](#) — strings.ToLower(string) string
- LC 68. Text Justification [↗](#) — strings.Repeat(string, number) string

KMP 算法

- LC 1392. Longest Happy Prefix [↗](#)
- LC 28. Find the Index of the First Occurrence in a String [↗](#)

Matrix

Traversal

- LC 54. Spiral Matrix [↗](#) — 基本走訪練習

Math

- LC 48. Rotate Image [↗](#) — 轉置矩陣+水平翻轉

Stack

Monotonic Stack

- LC 42. Trapping Rain Water [↗](#) — descending order 基本題

Graph

Union Find

- LC 547. Number of Provinces [↗](#)