

Substring

Longest Substring Without Repeating Characters `sliding window` 找最长

Longest Substring with At Most Two Distinct Characters `sliding window` 找最长

Longest Substring with At Most K Distinct Characters `sliding window` 找最长

Substring with Concatenation of All Words

Minimum Window Substring covering T `sliding window` 找最短

Longest Palindromic Substring `dp[i][j]: s[@i..@j] is panlidromic`

Count Palindromic Substrings `dp[i][j]: s[@i..@j] is panlidromic`

Longest Valid Parentheses `dp[i] for s[..@i]` 前左 `?()` 前右 `??(--)`

Count Binary Substrings (equal number of consecutive 1's and 0's) `group 00/111/00 => 2/3/2`

Unique Substrings in Wraparound String `group zabcfab => zabc/f/ab`

Longest Substring with At Least K Repeating Characters 用少于k个的字母分割

Repeated Substring Pattern `divisible` `kmp`

Subarray

Subarray Product Less Than K `sliding window` 计数

Shortest Subarray Sum $\geq K$ (no negative) `sliding window` 找最短

Longest Increasing Subarray `sliding window` 找最长

Maximum Subarray Sum `dp[i]: maximum sum for n[..@i]`

Maximum Sum Circular Subarray 两种情况: `max_subarray_sum; all_sum - min_subarray_sum`

Maximum Product Subarray `dp`, 注意负负得正

Count Subarray Sum = K `s[j] - x == k` `cumsum2count`

Longest Subarray Sum = K `s[j] - x == k` `cumsum2leftmost`

Maximum Subarray Sum $\leq K$ `cumsum[j] - x <= k` `bisect, O(nlogn)`

Minimum Subarray Sum $\geq K$ `cumsum[j] - x >= k` `bisect, O(nlogn)`

Shortest Subarray Sum $\geq K$ `cumsum[j] - x >= k` **deque as solution space**

Shortest Unsorted Continuous Subarray

从左往右找连续最大 $A[i]$, 从右往左找连续最小 $A[j]$, 求 $A[i..j]$ 最小最大, 以此掐头去尾

Subarray Sum Multiples of K

Maximum Sum of 3 Non-Overlapping Subarrays

Maximum Length of Repeated Subarray

Sum of Subarray Minimums

Bitwise ORs of Subarrays

Number of Subarrays with Bounded Maximum

Binary Subarrays With Sum

Maximum Average Subarray I

Maximum Average Subarray II

Sub-Rectangle

Max Rectangle Sum `max subarray sum` `left, right, dp`

Max Rectangle Sum <= K `max sumarray sum <= k` `left, right, cumsum-bisect`

Smallest Rectangle Enclosing Black Pixels `遍历` `1D投影 + binary search`

Maximum Rectangular Area in Histogram

Maximal Rectangle containing only 1's

Number Of Corner Rectangles

Subsequence

Is Subsequence `双指针` `把t表示为char2idxs, 二分搜索`

Number of Matching Subsequences `char2idxs: 二分搜索`

Longest Increasing Subsequence `dp[i], longest of n[..@i]`

`最小尾数: 6 1 3 4 2 5 7 => 1(6) 2(3) 4 5 7`

Increasing Subsequences `dfs + backtracking`

Number of Longest Increasing Subsequence `dp[i], solution of n[..@i]`

Count Palindromic Subsequences `dp[i][j], solution of s[i..j]` `去重case`

Longest Palindromic Subsequence `dp[i][j]: longest of s[i..j]` `s[i]==s[j]?`

Sum of Subsequence Widths `sort + math`

Split Array into Consecutive Subsequences

Increasing Triplet Subsequence

Longest Harmonious Subsequence

Longest Uncommon Subsequence I

Longest Uncommon Subsequence II

Minimum Window Subsequence `dp`

Length of Longest Fibonacci Subsequence `dp`

Wiggle Subsequence `dp`

Distinct Subsequences I `dp`

Distinct Subsequences II `dp`

Arithmetic Slices II - Subsequence `dp`

无序 subsequence

longest consecutive sequence `Union Find`

longest arithmetic sequence