

Arrays & Strings Pattern Pack (200 problems)

One-column list. Each item shows the LeetCode problem number for quick identification.

How to use: solve in order; if a problem is too hard, skip it and return after 10–15 solved.

Warm-up (mostly Easy)

1. [1] Two Sum *Easy*
Hash Map
2. [26] Remove Duplicates from Sorted Array *Easy*
Two Pointers
3. [27] Remove Element *Easy*
Two Pointers
4. [88] Merge Sorted Array *Easy*
Two Pointers
5. [121] Best Time to Buy and Sell Stock *Easy*
Greedy / One Pass
6. [125] Valid Palindrome *Easy*
Two Pointers
7. [167] Two Sum II - Input Array Is Sorted *Easy*
Two Pointers
8. [169] Majority Element *Easy*
Counting
9. [242] Valid Anagram *Easy*
Counting
10. [268] Missing Number *Easy*
Prefix XOR / Math
11. [283] Move Zeroes *Easy*
Two Pointers
12. [303] Range Sum Query - Immutable *Easy*
Prefix Sums
13. [349] Intersection of Two Arrays *Easy*
Two Pointers / Hash Set
14. [350] Intersection of Two Arrays II *Easy*
Two Pointers / Counting
15. [724] Find Pivot Index *Easy*
Prefix Sums

Two Pointers & In-place Array/String

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| 1. [11] Container With Most Water
Two Pointers | <i>Medium</i> |
| 2. [15] 3Sum
Two Pointers / Sorting | <i>Medium</i> |
| 3. [16] 3Sum Closest
Two Pointers / Sorting | <i>Medium</i> |
| 4. [18] 4Sum
Two Pointers / Sorting | <i>Medium</i> |
| 5. [31] Next Permutation
In-place Array Manipulation | <i>Medium</i> |
| 6. [75] Sort Colors
Dutch National Flag / Two Pointers | <i>Medium</i> |
| 7. [80] Remove Duplicates from Sorted Array II
Two Pointers | <i>Medium</i> |
| 8. [151] Reverse Words in a String
Two Pointers / String | <i>Medium</i> |
| 9. [165] Compare Version Numbers
Two Pointers / Parsing | <i>Medium</i> |
| 10. [189] Rotate Array
Array Reversal / Two Pointers | <i>Medium</i> |
| 11. [287] Find the Duplicate Number
Two Pointers (Floyd Cycle) | <i>Medium</i> |
| 12. [345] Reverse Vowels of a String
Two Pointers | <i>Easy</i> |
| 13. [392] Is Subsequence
Two Pointers | <i>Easy</i> |
| 14. [443] String Compression
Two Pointers | <i>Medium</i> |
| 15. [524] Longest Word in Dictionary through Deleting
Two Pointers | <i>Medium</i> |
| 16. [532] K-diff Pairs in an Array
Two Pointers / Hash Map | <i>Medium</i> |
| 17. [541] Reverse String II
Two Pointers | <i>Easy</i> |
| 18. [557] Reverse Words in a String III
Two Pointers | <i>Easy</i> |

19. [581] Shortest Unsorted Continuous Subarray Two Pointers / Scanning	<i>Medium</i>
20. [611] Valid Triangle Number Two Pointers / Sorting	<i>Medium</i>
21. [633] Sum of Square Numbers Two Pointers	<i>Medium</i>
22. [658] Find K Closest Elements Two Pointers	<i>Medium</i>
23. [680] Valid Palindrome II Two Pointers	<i>Easy</i>
24. [809] Expressive Words Two Pointers	<i>Medium</i>
25. [844] Backspace String Compare Two Pointers / Stack Sim	<i>Easy</i>
26. [870] Advantage Shuffle Two Pointers / Greedy	<i>Medium</i>
27. [881] Boats to Save People Two Pointers / Greedy	<i>Medium</i>
28. [905] Sort Array By Parity Two Pointers	<i>Easy</i>
29. [917] Reverse Only Letters Two Pointers	<i>Easy</i>
30. [948] Bag of Tokens Two Pointers / Greedy	<i>Medium</i>
31. [977] Squares of a Sorted Array Two Pointers	<i>Easy</i>
32. [986] Interval List Intersections Two Pointers / Intervals	<i>Medium</i>
33. [989] Add to Array-Form of Integer Two Pointers / Simulation	<i>Easy</i>
34. [1007] Minimum Domino Rotations For Equal Row Counting / Two Pointers	<i>Medium</i>
35. [1498] Number of Subsequences That Satisfy the Given Sum Condition Two Pointers / Sorting	<i>Medium</i>
36. [1574] Shortest Subarray to be Removed to Make Array Sorted Two Pointers	<i>Medium</i>

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| 37. [1679] Max Number of K-Sum Pairs
Two Pointers / Hash Map | <i>Medium</i> |
| 38. [1750] Minimum Length of String After Deleting Similar Ends
Two Pointers | <i>Medium</i> |
| 39. [2091] Removing Minimum and Maximum From Array
Two Pointers / Simulation | <i>Medium</i> |
| 40. [2410] Maximum Matching of Players With Trainers
Two Pointers / Sorting | <i>Medium</i> |

Sliding Window

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|---|---------------|
| 1. [3] Longest Substring Without Repeating Characters
Sliding Window | <i>Medium</i> |
| 2. [187] Repeated DNA Sequences
Sliding Window / Rolling Hash | <i>Medium</i> |
| 3. [209] Minimum Size Subarray Sum
Sliding Window | <i>Medium</i> |
| 4. [219] Contains Duplicate II
Sliding Window / Hash Map | <i>Easy</i> |
| 5. [424] Longest Repeating Character Replacement
Sliding Window | <i>Medium</i> |
| 6. [438] Find All Anagrams in a String
Sliding Window / Counting | <i>Medium</i> |
| 7. [567] Permutation in String
Sliding Window / Counting | <i>Medium</i> |
| 8. [643] Maximum Average Subarray I
Fixed-Size Sliding Window | <i>Easy</i> |
| 9. [674] Longest Continuous Increasing Subsequence
Two Pointers / Window | <i>Easy</i> |
| 10. [713] Subarray Product Less Than K
Sliding Window | <i>Medium</i> |
| 11. [795] Number of Subarrays with Bounded Maximum
Sliding Window | <i>Medium</i> |
| 12. [904] Fruit Into Baskets
Sliding Window | <i>Medium</i> |
| 13. [978] Longest Turbulent Subarray
Sliding Window / Two Pointers | <i>Medium</i> |

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| 14. [1004] Max Consecutive Ones III
Sliding Window | <i>Medium</i> |
| 15. [1040] Moving Stones Until Consecutive II
Sliding Window / Two Pointers | <i>Medium</i> |
| 16. [1052] Grumpy Bookstore Owner
Fixed-Size Sliding Window | <i>Medium</i> |
| 17. [1151] Minimum Swaps to Group All 1's Together
Sliding Window | <i>Medium</i> |
| 18. [1156] Swap For Longest Repeated Character Substring
Sliding Window / Counting | <i>Medium</i> |
| 19. [1208] Get Equal Substrings Within Budget
Sliding Window | <i>Medium</i> |
| 20. [1234] Replace the Substring for Balanced String
Sliding Window / Counting | <i>Medium</i> |
| 21. [1297] Maximum Number of Occurrences of a Substring
Sliding Window / Counting | <i>Medium</i> |
| 22. [1343] Number of Sub-arrays of Size K and Average \geq Threshold
Fixed-Size Sliding Window | <i>Medium</i> |
| 23. [1358] Number of Substrings Containing All Three Characters
Sliding Window | <i>Medium</i> |
| 24. [1423] Maximum Points You Can Obtain from Cards
Fixed Window Complement | <i>Medium</i> |
| 25. [1438] Longest Continuous Subarray With Absolute Diff Less Than or Equal to Limit
Sliding Window / Monotonic Deque | <i>Medium</i> |
| 26. [1456] Maximum Number of Vowels in a Substring of Given Length
Fixed-Size Sliding Window | <i>Medium</i> |
| 27. [1493] Longest Subarray of 1's After Deleting One Element
Sliding Window | <i>Medium</i> |
| 28. [1567] Maximum Length of Subarray With Positive Product
Two Pointers / Window | <i>Medium</i> |
| 29. [1604] Alert Using Same Key-Card Three or More Times in a One Hour Period
Sliding Window / Sorting | <i>Medium</i> |
| 30. [1658] Minimum Operations to Reduce X to Zero
Sliding Window / Prefix Sums | <i>Medium</i> |
| 31. [1695] Maximum Erasure Value
Sliding Window | <i>Medium</i> |

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| 32. [1838] Frequency of the Most Frequent Element
Sliding Window / Sorting | <i>Medium</i> |
| 33. [1869] Longer Contiguous Segments of Ones than Zeros
Two Pointers / Window | <i>Easy</i> |
| 34. [1876] Substrings of Size Three with Distinct Characters
Fixed-Size Sliding Window | <i>Easy</i> |
| 35. [1888] Minimum Number of Flips to Make the Binary String Alternating
Sliding Window | <i>Medium</i> |
| 36. [1984] Minimum Difference Between Highest and Lowest of K Scores
Sliding Window / Sorting | <i>Easy</i> |
| 37. [2024] Maximize the Confusion of an Exam
Sliding Window | <i>Medium</i> |
| 38. [2090] K Radius Subarray Averages
Fixed Window / Prefix Sums | <i>Medium</i> |
| 39. [2134] Minimum Swaps to Group All 1's Together II
Circular Sliding Window | <i>Medium</i> |
| 40. [2302] Count Subarrays With Score Less Than K
Sliding Window | <i>Medium</i> |
| 41. [2401] Longest Nice Subarray
Sliding Window / Bitmask | <i>Medium</i> |
| 42. [2461] Maximum Sum of Distinct Subarrays With Length K
Sliding Window | <i>Medium</i> |
| 43. [2516] Take K of Each Character From Left and Right
Two Pointers / Sliding Window | <i>Medium</i> |
| 44. [2958] Length of Longest Subarray With at Most K Frequency
Sliding Window / Counting | <i>Medium</i> |
| 45. [2962] Count Subarrays Where Max Element Appears at Least K Times
Two Pointers / Sliding Window | <i>Medium</i> |

Prefix Sums, Difference Arrays & Prefix XOR

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| 1. [53] Maximum Subarray
Prefix Sums / Kadane | <i>Easy</i> |
| 2. [152] Maximum Product Subarray
Prefix / Scan | <i>Medium</i> |
| 3. [238] Product of Array Except Self
Prefix/Suffix Products | <i>Medium</i> |

4. [304] Range Sum Query 2D - Immutable 2D Prefix Sums	<i>Medium</i>
5. [413] Arithmetic Slices Prefix DP / Counting	<i>Medium</i>
6. [523] Continuous Subarray Sum Prefix Mod	<i>Medium</i>
7. [525] Contiguous Array Prefix Sums / Hash Map	<i>Medium</i>
8. [560] Subarray Sum Equals K Prefix Sums / Hash Map	<i>Medium</i>
9. [918] Maximum Sum Circular Subarray Prefix Sums / Kadane	<i>Medium</i>
10. [930] Binary Subarrays With Sum Prefix Sums / Hash Map	<i>Medium</i>
11. [974] Subarray Sums Divisible by K Prefix Mod / Counting	<i>Medium</i>
12. [1014] Best Sightseeing Pair Prefix Best	<i>Medium</i>
13. [1031] Maximum Sum of Two Non-Overlapping Subarrays Prefix Sums	<i>Medium</i>
14. [1071] Greatest Common Divisor of Strings String / Euclid	<i>Easy</i>
15. [1094] Car Pooling Difference Array / Prefix Sums	<i>Medium</i>
16. [1109] Corporate Flight Bookings Difference Array / Prefix Sums	<i>Medium</i>
17. [1124] Longest Well-Performing Interval Prefix Sums / Monotonic	<i>Medium</i>
18. [1131] Maximum of Absolute Value Expression Transform + Prefix Best	<i>Medium</i>
19. [1177] Can Make Palindrome from Substring Prefix Parity	<i>Medium</i>
20. [1310] XOR Queries of a Subarray Prefix XOR	<i>Medium</i>
21. [1314] Matrix Block Sum 2D Prefix Sums	<i>Medium</i>

22. [1371] Find the Longest Substring Containing Vowels in Even Counts Prefix Bitmask	<i>Medium</i>
23. [1352] Product of the Last K Numbers Prefix Products	<i>Medium</i>
24. [1422] Maximum Score After Splitting a String Prefix Sums	<i>Easy</i>
25. [1442] Count Triplets That Can Form Two Arrays of Equal XOR Prefix XOR	<i>Medium</i>
26. [1477] Find Two Non-overlapping Sub-arrays Each With Target Sum Prefix Sums	<i>Medium</i>
27. [1508] Range Sum of Sorted Subarray Sums Prefix Sums	<i>Medium</i>
28. [1524] Number of Sub-arrays With Odd Sum Prefix Parity / Counting	<i>Medium</i>
29. [1525] Number of Good Ways to Split a String Prefix/Suffix Counts	<i>Medium</i>
30. [1573] Number of Ways to Split a String Prefix Counts	<i>Medium</i>
31. [1588] Sum of All Odd Length Subarrays Prefix Sums	<i>Easy</i>
32. [1590] Make Sum Divisible by P Prefix Mod	<i>Medium</i>
33. [1664] Ways to Make a Fair Array Prefix Even/Odd Sums	<i>Medium</i>
34. [1732] Find the Highest Altitude Prefix Sums	<i>Easy</i>
35. [1854] Maximum Population Year Difference Array	<i>Easy</i>
36. [1894] Find the Student that Will Replace the Chalk Prefix Sums / Mod	<i>Medium</i>
37. [1991] Find the Middle Index in Array Prefix Sums	<i>Easy</i>
38. [2017] Grid Game Prefix Sums (2 rows)	<i>Medium</i>
39. [2055] Plates Between Candles Prefix Sums / Nearest	<i>Medium</i>

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| 40. [2155] All Divisions With the Highest Score of a Binary Array
Prefix Sums | <i>Medium</i> |
| 41. [2270] Number of Ways to Split Array
Prefix Sums | <i>Medium</i> |
| 42. [2381] Shifting Letters II
Difference Array | <i>Medium</i> |
| 43. [2433] Find The Original Array of Prefix Xor
Prefix XOR | <i>Medium</i> |
| 44. [2575] Find the Divisibility Array of a String
Prefix Mod | <i>Medium</i> |
| 45. [2587] Rearrange Array to Maximize Prefix Score
Prefix Sums / Sorting | <i>Medium</i> |

Counting, Hashing, Sorting & One-pass Scans

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| 1. [36] Valid Sudoku
Counting / Hash Set | <i>Medium</i> |
| 2. [49] Group Anagrams
Counting / Hash Map | <i>Medium</i> |
| 3. [54] Spiral Matrix
Simulation | <i>Medium</i> |
| 4. [59] Spiral Matrix II
Simulation | <i>Medium</i> |
| 5. [73] Set Matrix Zeroes
In-place / Matrix | <i>Medium</i> |
| 6. [128] Longest Consecutive Sequence
Hash Set | <i>Medium</i> |
| 7. [134] Gas Station
Greedy / Prefix | <i>Medium</i> |
| 8. [229] Majority Element II
Counting | <i>Medium</i> |
| 9. [274] H-Index
Counting / Sorting | <i>Medium</i> |
| 10. [347] Top K Frequent Elements
Counting / Buckets | <i>Medium</i> |
| 11. [380] Insert Delete GetRandom O(1)
Hash Map | <i>Medium</i> |

12. [394] Decode String Stack / String	<i>Medium</i>
13. [451] Sort Characters By Frequency Counting / Sorting	<i>Medium</i>
14. [454] 4Sum II Hash Map	<i>Medium</i>
15. [462] Minimum Moves to Equal Array Elements II Sorting / Median	<i>Medium</i>
16. [498] Diagonal Traverse Simulation	<i>Medium</i>
17. [503] Next Greater Element II Monotonic Stack	<i>Medium</i>
18. [539] Minimum Time Difference Sorting	<i>Medium</i>
19. [540] Single Element in a Sorted Array Binary Search	<i>Medium</i>
20. [621] Task Scheduler Counting / Greedy	<i>Medium</i>
21. [659] Split Array into Consecutive Subsequences Greedy / Counting	<i>Medium</i>
22. [665] Non-decreasing Array Greedy	<i>Medium</i>
23. [670] Maximum Swap Greedy / Digits	<i>Medium</i>
24. [692] Top K Frequent Words Counting / Heap	<i>Medium</i>
25. [739] Daily Temperatures Monotonic Stack	<i>Medium</i>
26. [763] Partition Labels Greedy / Counting	<i>Medium</i>
27. [767] Reorganize String Counting / Greedy	<i>Medium</i>
28. [769] Max Chunks To Make Sorted Prefix Max	<i>Medium</i>
29. [781] Rabbits in Forest Counting	<i>Medium</i>

30. [791] Custom Sort String Counting / Ordering	<i>Medium</i>
31. [792] Number of Matching Subsequences Counting / Two Pointers	<i>Medium</i>
32. [825] Friends Of Appropriate Ages Counting	<i>Medium</i>
33. [846] Hand of Straights Counting / Sorting	<i>Medium</i>
34. [849] Maximize Distance to Closest Person Two Pointers	<i>Medium</i>
35. [912] Sort an Array Sorting	<i>Medium</i>
36. [915] Partition Array into Disjoint Intervals Prefix Max / Suffix Min	<i>Medium</i>
37. [923] 3Sum With Multiplicity Counting	<i>Medium</i>
38. [1010] Pairs of Songs With Total Durations Divisible by 60 Counting / Mod	<i>Medium</i>
39. [1338] Reduce Array Size to The Half Counting / Sorting	<i>Medium</i>
40. [1347] Minimum Number of Steps to Make Two Strings Anagram Counting	<i>Medium</i>
41. [1400] Construct K Palindrome Strings Counting	<i>Medium</i>
42. [1497] Check If Array Pairs Are Divisible by k Counting / Mod	<i>Medium</i>
43. [1509] Minimum Difference Between Largest and Smallest Value in Three Moves Sorting	<i>Medium</i>
44. [1513] Number of Substrings With Only 1s Counting	<i>Medium</i>
45. [1541] Minimum Insertions to Balance a Parentheses String Stack / Counting	<i>Medium</i>
46. [1630] Arithmetic Subarrays Sorting	<i>Medium</i>
47. [1657] Determine if Two Strings Are Close Counting	<i>Medium</i>

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| 48. [1743] Restore the Array From Adjacent Pairs
Hash Map | <i>Medium</i> |
| 49. [1775] Equal Sum Arrays With Minimum Number of Operations
Counting / Greedy | <i>Medium</i> |
| 50. [1807] Evaluate the Bracket Pairs of a String
Hash Map / Parsing | <i>Medium</i> |
| 51. [1813] Sentence Similarity III
Two Pointers / String | <i>Medium</i> |
| 52. [1910] Remove All Occurrences of a Substring
String / Stack | <i>Medium</i> |
| 53. [1930] Unique Length-3 Palindromic Subsequences
Counting / Prefix | <i>Medium</i> |
| 54. [1963] Minimum Number of Swaps to Make the String Balanced
Stack / Counting | <i>Medium</i> |
| 55. [2007] Find Original Array From Doubled Array
Counting / Sorting | <i>Medium</i> |