

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

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

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>

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

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>

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>

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

- [53] Maximum Subarray
Prefix Sums / Kadane
- [152] Maximum Product Subarray
Prefix / Scan
- [238] Product of Array Except Self
Prefix/Suffix Products

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>

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

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

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

- | | |
|--|---------------|
| 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> |