Binary Search:

<https://leetcode.com/problems/search-in-rotated-sorted-array/>

<https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/>

<https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/>

<https://leetcode.com/problems/find-the-smallest-divisor-given-a-threshold/>

<https://leetcode.com/problems/sum-of-mutated-array-closest-to-target/>

<https://leetcode.com/problems/koko-eating-bananas/>

<https://leetcode.com/problems/minimum-number-of-days-to-make-m-bouquets/>

<https://leetcode.com/problems/find-in-mountain-array/>

<https://leetcode.com/problems/maximum-side-length-of-a-square-with-sum-less-than-or-equal-to-threshold/>

2 Pointers:

<https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/>

<https://leetcode.com/problems/container-with-most-water/>

<https://leetcode.com/problems/3sum-closest/>

<https://leetcode.com/problems/longest-mountain-in-array/>

<https://leetcode.com/problems/minimum-window-substring/>

<https://leetcode.com/problems/trapping-rain-water/>

<https://leetcode.com/problems/subarrays-with-k-different-integers/>

<https://leetcode.com/problems/fruit-into-baskets/>

<https://leetcode.com/problems/longest-substring-without-repeating-characters/>

<https://leetcode.com/problems/minimum-size-subarray-sum/>

<https://leetcode.com/problems/max-consecutive-ones-iii/>

<https://leetcode.com/problems/circular-array-loop/>

<https://leetcode.com/problems/middle-of-the-linked-list/>

<https://leetcode.com/problems/grumpy-bookstore-owner/>

<https://leetcode.com/problems/find-all-anagrams-in-a-string/>

Sliding Window:

Templates:

<https://leetcode.com/problems/minimum-window-substring/discuss/26808/here-is-a-10-line-template-that-can-solve-most-substring-problems/615220>

<https://leetcode.com/problems/minimum-size-subarray-sum/>

<https://leetcode.com/problems/minimum-operations-to-reduce-x-to-zero/>

<https://leetcode.com/problems/subarray-sum-equals-k/>

<https://leetcode.com/problems/fruit-into-baskets/>

<https://leetcode.com/problems/longest-repeating-character-replacement/>

<https://leetcode.com/problems/max-consecutive-ones-iii/>

<https://leetcode.com/problems/minimum-window-substring/>

<https://leetcode.com/problems/longest-substring-without-repeating-characters/>

* Sorting:

Custom Comparator:

1. [https://leetcode.com/problems/custom-sort-string/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcustom-sort-string%2F)
2. [https://leetcode.com/problems/squares-of-a-sorted-array/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsquares-of-a-sorted-array%2F)
3. [https://leetcode.com/problems/sort-characters-by-frequency/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsort-characters-by-frequency%2F)
4. [https://leetcode.com/problems/largest-number/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flargest-number%2F)
5. [https://leetcode.com/problems/rank-teams-by-votes/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Frank-teams-by-votes%2F)
6. [https://leetcode.com/problems/filter-restaurants-by-vegan-friendly-price-and-distance/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ffilter-restaurants-by-vegan-friendly-price-and-distance%2F)

Applications:

Pattern: 1 - Intervals

1. [https://leetcode.com/problems/merge-intervals/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmerge-intervals%2F)
2. [https://leetcode.com/problems/meeting-rooms/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmeeting-rooms%2F)
3. [https://leetcode.com/problems/meeting-rooms-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmeeting-rooms-ii%2F)
4. [https://leetcode.com/problems/non-overlapping-intervals/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fnon-overlapping-intervals%2F)
5. [https://leetcode.com/problems/insert-interval/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Finsert-interval%2F)

Pattern: 2 - Find Duplicates

Pattern: 3 - Intersection of two lists

1. [https://leetcode.com/problems/intersection-of-two-arrays/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fintersection-of-two-arrays%2F)
2. [https://leetcode.com/problems/intersection-of-two-arrays-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fintersection-of-two-arrays-ii%2F)

Pattern: 4 - 2 Pointers

1. [https://leetcode.com/problems/two-sum/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ftwo-sum%2F)
2. [https://leetcode.com/problems/3sum/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2F3sum%2F)

General Ad-hoc:

1. [https://leetcode.com/problems/longest-word-in-dictionary-through-deleting/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-word-in-dictionary-through-deleting%2F)
2. [https://leetcode.com/problems/divide-array-in-sets-of-k-consecutive-numbers/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fdivide-array-in-sets-of-k-consecutive-numbers%2F)
3. [https://leetcode.com/problems/sort-the-matrix-diagonally/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsort-the-matrix-diagonally%2F)
4. [https://leetcode.com/problems/pancake-sorting/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpancake-sorting%2F)

Bucket Sort:

1. [https://leetcode.com/problems/k-closest-points-to-origin/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fk-closest-points-to-origin%2F)
2. [https://leetcode.com/problems/maximum-gap/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-gap%2F)
3. <https://leetcode.com/problems/remove-sub-folders-from-the-filesystem/>
4. <https://leetcode.com/problems/top-k-frequent-elements/>
5. <https://leetcode.com/problems/sort-array-by-parity-ii/>  
   <https://leetcode.com/problems/4sum/>
6. <https://leetcode.com/problems/h-index/>
7. <https://leetcode.com/problems/car-fleet/>
8. <https://leetcode.com/problems/rearrange-words-in-a-sentence/>
9. <https://leetcode.com/problems/diagonal-traverse-ii/>
10. <https://leetcode.com/problems/reorganize-string/>

* Linked Lists:

[Remove Nth Node From End of List](https://leetcode.com/problems/remove-nth-node-from-end-of-list)

https://leetcode.com/problems/odd-even-linked-list/

[Reverse Nodes in k-Group](https://leetcode.com/problems/reverse-nodes-in-k-group)

[141. Linked List Cycle (Leetcode)](https://leetcode.com/problems/linked-list-cycle/)

[Delete Node in a Linked List"](https://leetcode.com/problems/delete-node-in-a-linked-list/)

[19. Remove Nth Node From End of List](https://leetcode.com/problems/remove-nth-node-from-end-of-list/)

[Merge Two Sorted Lists](https://leetcode.com/problems/merge-two-sorted-lists/)

[Palindrome Linked List](https://leetcode.com/problems/palindrome-linked-list/)

[141. Linked List Cycle (Leetcode)](https://leetcode.com/problems/linked-list-cycle/)

[Intersection of Two Linked Lists](https://leetcode.com/problems/intersection-of-two-linked-lists/)

[Remove Linked List Elements](https://leetcode.com/problems/remove-linked-list-elements/)

[Middle of the Linked List](https://leetcode.com/problems/middle-of-the-linked-list/)

[lc 23. Merge k Sorted Lists](https://leetcode.com/problems/merge-k-sorted-lists/)

* Stacks:

1. [Simplify Path](https://leetcode.com/problems/simplify-path)
2. <https://leetcode.com/problems/minimum-remove-to-make-valid-parentheses/>
3. <https://leetcode.com/problems/flatten-nested-list-iterator/>
4. <https://leetcode.com/problems/next-greater-element-ii/>
5. [Largest Rectangle in Histogram](https://leetcode.com/problems/largest-rectangle-in-histogram)
6. [Maximal Rectangle](https://leetcode.com/problems/maximal-rectangle)
7. <https://leetcode.com/problems/daily-temperatures/>
8. <https://leetcode.com/problems/sum-of-subarray-minimums/>
9. <https://leetcode.com/problems/remove-k-digits/>
10. <https://leetcode.com/problems/remove-duplicate-letters>
11. <https://leetcode.com/problems/asteroid-collision/>
12. <https://leetcode.com/problems/implement-stack-using-queues/>
13. <https://leetcode.com/problems/implement-queue-using-stacks/>
14. <https://leetcode.com/problems/minimum-add-to-make-parentheses-valid/>
15. <https://leetcode.com/problems/validate-stack-sequences/>

* Queues:
  1. <https://leetcode.com/problems/implement-queue-using-stacks/>
  2. <https://leetcode.com/problems/design-circular-deque/>
  3. <https://leetcode.com/problems/sliding-window-maximum/>
  4. <https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/>

Recursion:

[https://www.hackerrank.com/challenges/recursive-digit-sum/](https://slack-redir.net/link?url=https%3A%2F%2Fwww.hackerrank.com%2Fchallenges%2Frecursive-digit-sum%2F)

[https://leetcode.com/problems/letter-combinations-of-a-phone-number/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fletter-combinations-of-a-phone-number%2F)

[https://leetcode.com/problems/wildcard-matching/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fwildcard-matching%2F)

[https://leetcode.com/problems/regular-expression-matching/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fregular-expression-matching%2F)

Backtracking

[https://leetcode.com/problems/subsets/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubsets%2F)

[https://leetcode.com/problems/subsets-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubsets-ii%2F)

[https://leetcode.com/problems/combinations/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcombinations%2F)

[https://leetcode.com/problems/combination-sum/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcombination-sum%2F)

[https://leetcode.com/problems/permutations/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpermutations%2F)

[https://leetcode.com/problems/permutations-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpermutations-ii%2F)

[https://leetcode.com/problems/word-search/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fword-search%2F)

[https://leetcode.com/problems/sudoku-solver/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsudoku-solver%2F)

[https://leetcode.com/problems/n-queens/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fn-queens%2F)

[https://leetcode.com/problems/combination-sum-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcombination-sum-ii%2F)

[https://leetcode.com/problems/palindrome-partitioning/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpalindrome-partitioning%2F)

Extra

[https://leetcode.com/problems/combination-sum-iii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcombination-sum-iii%2F)

[https://leetcode.com/problems/partition-to-k-equal-sum-subsets/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpartition-to-k-equal-sum-subsets%2F)

[https://leetcode.com/problems/n-queens-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fn-queens-ii%2F)

[https://leetcode.com/problems/unique-paths-iii](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Funique-paths-iii)/

1. Maps:
   1. [https://leetcode.com/problems/max-points-on-a-line/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmax-points-on-a-line%2F)
   2. [https://leetcode.com/problems/subarray-sum-equals-k/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarray-sum-equals-k%2F)
   3. [https://leetcode.com/problems/subarray-sums-divisible-by-k/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarray-sums-divisible-by-k%2F)
   4. [https://leetcode.com/problems/group-anagrams/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fgroup-anagrams%2F)
   5. [https://leetcode.com/problems/fraction-to-recurring-decimal/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ffraction-to-recurring-decimal%2F)
   6. [https://leetcode.com/problems/prison-cells-after-n-days/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fprison-cells-after-n-days%2F)
   7. [https://leetcode.com/problems/contiguous-array/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcontiguous-array%2F)
   8. [https://leetcode.com/problems/brick-wall/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fbrick-wall%2F)
   9. [https://leetcode.com/problems/rabbits-in-forest/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Frabbits-in-forest%2F)

Need for ordering:

* 1. [https://leetcode.com/problems/minimum-size-subarray-sum/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fminimum-size-subarray-sum%2F)

Hash tables and 2 pointers:

* 1. [https://leetcode.com/problems/subarrays-with-k-different-integers/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarrays-with-k-different-integers%2F)
  2. [https://leetcode.com/problems/longest-substring-without-repeating-characters/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-substring-without-repeating-characters%2F)
  3. [https://leetcode.com/problems/longest-substring-with-at-most-two-distinct-characters/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-substring-with-at-most-two-distinct-characters%2F)
  4. <https://leetcode.com/problems/longest-substring-with-at-most-k-distinct-characters/>
  5. [https://leetcode.com/problems/count-number-of-nice-subarrays/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcount-number-of-nice-subarrays%2F)

Advance:

* 1. [https://leetcode.com/problems/maximum-equal-frequency/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-equal-frequency%2F)

1. Search Structures:

a. Ad-hoc:

* 1. [https://leetcode.com/problems/max-points-on-a-line/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmax-points-on-a-line%2F)
  2. [https://leetcode.com/problems/group-anagrams/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fgroup-anagrams%2F)
  3. [https://leetcode.com/problems/fraction-to-recurring-decimal/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ffraction-to-recurring-decimal%2F)
  4. [https://leetcode.com/problems/prison-cells-after-n-days/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fprison-cells-after-n-days%2F)

b. Subarrays:

* 1. [https://leetcode.com/problems/subarray-sum-equals-k/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarray-sum-equals-k%2F)
  2. [https://leetcode.com/problems/subarray-sums-divisible-by-k/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarray-sums-divisible-by-k%2F)
  3. [https://leetcode.com/problems/contiguous-array/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcontiguous-array%2F)

c. Frequency counting:

* 1. [https://leetcode.com/problems/brick-wall/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fbrick-wall%2F)
  2. [https://leetcode.com/problems/rabbits-in-forest/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Frabbits-in-forest%2F)

d. Need for ordering:

* 1. [https://leetcode.com/problems/minimum-size-subarray-sum/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fminimum-size-subarray-sum%2F)
  2. [https://leetcode.com/problems/my-calendar-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmy-calendar-ii%2F)
  3. [https://leetcode.com/problems/my-calendar-iii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmy-calendar-iii%2F)
  4. [https://leetcode.com/problems/range-module/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Frange-module%2F)

e. 2 pointers:

* 1. [https://leetcode.com/problems/subarrays-with-k-different-integers/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsubarrays-with-k-different-integers%2F)
  2. [https://leetcode.com/problems/longest-substring-without-repeating-characters/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-substring-without-repeating-characters%2F)
  3. [https://leetcode.com/problems/longest-substring-with-at-most-two-distinct-characters/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-substring-with-at-most-two-distinct-characters%2F)
  4. [https://leetcode.com/problems/longest-substring-with-at-most-k-distinct-characters/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flongest-substring-with-at-most-k-distinct-characters%2F)
  5. [https://leetcode.com/problems/count-number-of-nice-subarrays/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcount-number-of-nice-subarrays%2F)
  6. f. Advance:
  7. [https://leetcode.com/problems/maximum-equal-frequency/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-equal-frequency%2F)
  8. 2. DS Design:
  9. [https://leetcode.com/problems/min-stack/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmin-stack%2F)
  10. [https://leetcode.com/problems/time-based-key-value-store/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ftime-based-key-value-store%2F)
  11. [https://leetcode.com/problems/peeking-iterator/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fpeeking-iterator%2F)
  12. [https://www.interviewbit.com/problems/sliding-window-maximum/](https://slack-redir.net/link?url=https%3A%2F%2Fwww.interviewbit.com%2Fproblems%2Fsliding-window-maximum%2F)
  13. [https://leetcode.com/problems/copy-list-with-random-pointer/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcopy-list-with-random-pointer%2F)
  14. [https://leetcode.com/problems/maximum-frequency-stack/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-frequency-stack%2F)
  15. [https://leetcode.com/problems/maximum-equal-frequency/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-equal-frequency%2F)
  16. [https://leetcode.com/problems/insert-delete-getrandom-o1/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Finsert-delete-getrandom-o1%2F)
  17. [https://leetcode.com/problems/insert-delete-getrandom-o1-duplicates-allowed/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Finsert-delete-getrandom-o1-duplicates-allowed%2F)
  18. [https://leetcode.com/problems/all-oone-data-structure/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fall-oone-data-structure%2F)
  19. [https://leetcode.com/problems/lru-cache/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Flru-cache%2F)
  20. [https://leetcode.com/problems/sliding-window-median/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fsliding-window-median%2F)

1. Heaps:
   1. [https://leetcode.com/problems/merge-k-sorted-lists/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmerge-k-sorted-lists%2F)
   2. [https://leetcode.com/problems/kth-largest-element-in-an-array/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fkth-largest-element-in-an-array%2F)
   3. [https://leetcode.com/problems/ugly-number-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fugly-number-ii%2F)
   4. [https://leetcode.com/problems/k-closest-points-to-origin/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fk-closest-points-to-origin%2F)
   5. [https://leetcode.com/problems/top-k-frequent-elements/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ftop-k-frequent-elements%2F)
   6. [https://leetcode.com/problems/top-k-frequent-words/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ftop-k-frequent-words%2F)
   7. [https://leetcode.com/problems/find-median-from-data-stream/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Ffind-median-from-data-stream%2F)
   8. [https://leetcode.com/problems/minimum-cost-to-hire-k-workers/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fminimum-cost-to-hire-k-workers%2F)
   9. [https://leetcode.com/problems/maximum-performance-of-a-team/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fmaximum-performance-of-a-team%2F)

Thread explaning linear complexity of heap - [https://stackoverflow.com/questions/9755721/how-can-building-a-heap-be-on-time-complexity](https://slack-redir.net/link?url=https%3A%2F%2Fstackoverflow.com%2Fquestions%2F9755721%2Fhow-can-building-a-heap-be-on-time-complexity)

Trees:

* <https://leetcode.com/problems/binary-tree-level-order-traversal/>
* <https://leetcode.com/problems/unique-binary-search-trees/>
* <https://leetcode.com/problems/binary-tree-inorder-traversal/>
* <https://leetcode.com/problems/symmetric-tree/>
* <https://leetcode.com/problems/invert-binary-tree/>
* <https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/>
* <https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/>
* <https://leetcode.com/problems/same-tree/>
* <https://leetcode.com/problems/path-sum/>
* <https://leetcode.com/problems/unique-binary-search-trees/>

Traversals

* https://leetcode.com/problems/binary-tree-preorder-traversal/
* https://leetcode.com/problems/binary-tree-inorder-traversal/
* https://leetcode.com/problems/binary-tree-postorder-traversal/
* https://leetcode.com/problems/binary-tree-level-order-traversal-ii/
* https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/
* https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/
* https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/

Extra

https://leetcode.com/problems/find-bottom-left-tree-value/

https://leetcode.com/problems/minimum-absolute-difference-in-bst/

https://leetcode.com/problems/flatten-binary-tree-to-linked-list/

https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/

https://leetcode.com/problems/binary-tree-right-side-view/

Dynamic Programming:

<https://leetcode.com/discuss/general-discussion/458695/dynamic-programming-patterns%3E#Minimum-(Maximum)-Path-to-Reach-a-Target>

* <https://leetcode.com/problems/coin-change/>
* <https://leetcode.com/problems/edit-distance/>
* <https://leetcode.com/problems/target-sum/>
* <https://www.interviewbit.com/problems/0-1-knapsack/>
* <https://leetcode.com/problems/minimum-path-sum/>
* <https://leetcode.com/problems/house-robber/>
* <https://leetcode.com/problems/longest-common-subsequence/>
* <https://leetcode.com/problems/maximum-subarray/>
* <https://leetcode.com/problems/maximum-product-subarray/>
* <https://leetcode.com/problems/longest-valid-parentheses/>
* <https://leetcode.com/problems/climbing-stairs/>
* <https://leetcode.com/problems/decode-ways/>
* <https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-cooldown/>
* <https://www.interviewbit.com/problems/subset-sum-problem/>
* <https://leetcode.com/problems/partition-equal-subset-sum/>
* <https://leetcode.com/problems/longest-increasing-subsequence/>
* <https://leetcode.com/problems/longest-arithmetic-sequence/>
* <https://leetcode.com/problems/word-break/>
* <https://leetcode.com/problems/palindrome-partitioning-ii/>
* <https://leetcode.com/problems/wiggle-subsequence/>
* <https://leetcode.com/problems/odd-even-jump/>

Extra

* https://leetcode.com/problems/word-break-ii/
* https://leetcode.com/problems/stone-game-iii/
* https://leetcode.com/problems/maximum-sum-bst-in-binary-tree/
* https://www.interviewbit.com/problems/coin-sum-infinite/
* https://www.spoj.com/problems/KNAPSACK/
* https://leetcode.com/problems/decode-ways-ii/
* https://leetcode.com/problems/house-robber-ii/

GRAPHS

DFS

* https://leetcode.com/problems/number-of-islands/
* https://leetcode.com/problems/number-of-closed-islands/
* https://leetcode.com/problems/keys-and-rooms/
* https://leetcode.com/problems/flood-fill/

BFS

* https://leetcode.com/problems/word-ladder/
* https://leetcode.com/problems/word-ladder-ii/
* https://leetcode.com/problems/01-matrix/
* https://leetcode.com/problems/rotting-oranges/
* https://leetcode.com/problems/shortest-path-in-binary-matrix/
* https://leetcode.com/problems/shortest-path-with-alternating-colors/
* https://leetcode.com/problems/as-far-from-land-as-possible/

Topological Sort

* https://leetcode.com/problems/course-schedule/
* https://leetcode.com/problems/course-schedule-ii/
* https://leetcode.com/problems/alien-dictionary/

Dijkstra’s Algorithm

* https://leetcode.com/problems/path-with-maximum-minimum-value/
* https://leetcode.com/problems/network-delay-time/
* https://leetcode.com/problems/path-with-maximum-probability/
* https://leetcode.com/problems/find-the-city-with-the-smallest-number-of-neighbors-at-a-threshold-distance/

Union Find

* https://leetcode.com/problems/friend-circles/
* https://leetcode.com/problems/redundant-connection/
* https://leetcode.com/problems/satisfiability-of-equality-equations/
* https://leetcode.com/problems/accounts-merge/
* https://leetcode.com/problems/redundant-connection-ii/

Graph coloring:

* [Leetcode : Possible Bipartition](https://leetcode.com/problems/possible-bipartition/)
* [Is Graph Bipartite?](https://leetcode.com/problems/is-graph-bipartite/)

Tries -

[https://leetcode.com/problems/implement-trie-prefix-tree/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fimplement-trie-prefix-tree%2F)

[https://leetcode.com/problems/add-and-search-word-data-structure-design/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fadd-and-search-word-data-structure-design%2F)

<https://leetcode.com/problems/concatenated-words/>

[https://leetcode.com/problems/design-search-autocomplete-system/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fdesign-search-autocomplete-system%2F)

[https://leetcode.com/problems/word-search-ii/](https://slack-redir.net/link?url=https%3A%2F%2Fleetcode.com%2Fproblems%2Fword-search-ii%2F)