



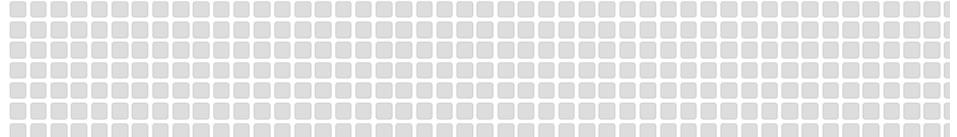
Activity

Last 7 days

01

Day spent

Apr May Jun Jul Aug Sep Oct Nov Dec Jan, 2025



Progress

7%

Total problems

Easy	32 / 209
Medium	62 / 651
Hard	10 / 366

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Search



Programming Fundamentals

▼ C++ Fundamentals

Problem

Difficulty

Introduction to C++ Programming

Theory

Literals

Theory

Comments

Theory

Variables

Theory

DataTypes in C++

Theory

Print Output

Theory

Arithmetic Operators | Operators in C++

Theory

Relational Operators | Operators in C++

Theory

Logical Operators | Operators in C++

Theory

Conditional Statement in C++

Theory

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If-Else Statement | Conditional Statement in C++

Theory

While Loop | Loop in C++

Theory

For Loop | Loop in C++

Theory

Factorial and Fibonacci Series

Theory

Break & Continue | Jumping Statements in C++

Theory

Switch Statement | Conditional Statement in C++

Theory

Functions

Theory

Functions Arguments

Theory

Return Statement

Theory

Local Variable

Theory

Why Do We Use Arguments and Return Type in a Function?

Theory

Standard Library Functions

Theory

Nested Functions

Theory

Arrays in C++

Theory

Iterating and Updating Arrays

Theory

Taking Input in Arrays

Theory

Arrays Memory Allocation

Theory

Caveats in C++ Arrays

Theory

Quiz: Arrays Theory

Theory

Ranged For Loops Theory

Arrays and Functions Theory

Passing Array in Functions Theory

Strings in C++ Theory

Taking Input in Strings Theory

String vs Arrays Theory

Basic Functions of String Theory

Vector Basics Theory

Vector Implementation - 1 Theory

Vector Implementation - 2 Theory

Quiz: Vectors Theory

Multi-dimensional arrays in C++ Theory

▼ Java Fundamentals

Problem	Difficulty
---------	------------

What is Java? Theory

Features of Java Theory

Java vs C++ Theory

JVM, JRE, and JDK Theory

First Program in Java Theory

Comments and Statements Theory

Literals in Java

Theory

 Variables in Java

Theory

 How to Print in Java?

Theory

 Data Types in Java

Theory

 Operators in Java

Theory

 Arithmetic Operators in Java

Theory

 Multiple Operators in Java

Theory

 Type Conversion in Java

Theory

 User Input in Java

Theory

 Making Logical Decisions in Programming: Comparing Values and Variables

Theory

 If-Else Statement in Java

Theory

 While Loop in Java

Theory

 For Loop in Java

Theory

 Do-While Loop

Theory

 Standard Practice Problems in Java

Theory

 Break and Continue in Java

Theory

 Switch Statement in Java

Theory

 Arrays in Java

Theory

 Types of Array in Java

Theory

- Iterating Through Arrays Theory
- Arrays: Practice Problems I Theory
- Arrays: Practice Problems II Theory
- Arrays: Practice Problems III Theory
- Arrays: Practice Problems IV Theory
- Methods in Java Theory
- Method Arguments in Java Theory
- Why Do We Use Arguments and Return Type in a Method? Theory
- Standard Library Methods Theory
- Local Variables in a Method Theory

Time and Space Complexity / Online Judge

▼ Online Judge

Problem	Difficulty
<input type="checkbox"/> Why, What and How? Theory	
<input type="checkbox"/> Popular Online Platforms Theory	
<input type="checkbox"/> Tearing Down a Problem Theory	

▼ Time and Space Complexity

Problem	Difficulty
<input type="checkbox"/> Introduction to Time Complexity Theory	
<input type="checkbox"/> Introduction to Space Complexity Theory	
<input type="checkbox"/> Different Notations in Time Complexity Theory	

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Comparing different time complexities

Theory

 How to Calculate Time Complexity?

Theory

 Quiz: Time Complexity

Basic

Dsa Fundamentals

▼ Control Flow

Problem

Difficulty

 if-else and else-if ladder Practice

Basic

 Loops Practice 1

Basic

 Loops Practice 2

Basic

 Loops Practice 3

Basic

 Loops Practice 4

Basic

 Square Star and Rhombus Star Patterns

Basic

 Triangle Star Patterns

Basic

 Pyramid Star Patterns

Basic

 Miscellaneous Star Patterns

Basic

 Number Patterns 1

Basic

 Number Patterns 2

Basic

 Triangular Number Patterns 1

Basic

 Triangular Number Patterns 2

Basic

 Triangular Number Patterns 3

Basic

Problem	Difficulty
<input type="checkbox"/> Print Each Element and Its Index in an Array	Basic
<input type="checkbox"/> Print Elements of an Array in Reverse Order	Basic
<input type="checkbox"/> Print Alternate Elements of an Array	Basic
<input type="checkbox"/> Create a Duplicate of an Array	Basic
<input type="checkbox"/> Create Two Arrays one for Odd Elements and one for Even Elements	Basic
<input type="checkbox"/> Calculate Sum and Product of Array Elements	Basic
<input type="checkbox"/> Count Occurrences of a Target Number in an Array	Basic
<input type="checkbox"/> Check if an Array is Sorted Forward, Backward or Not at All	Basic
<input type="checkbox"/> Count Unique and Duplicate Elements in an Array	Basic
<input type="checkbox"/> Check if Two Elements Exist with a Sum Equal to a Target Value	Basic
<input type="checkbox"/> Check if Three Elements Exist with a Sum Equal to a Target Value	Basic
<input type="checkbox"/> Find the Maximum Element in an Array	Basic
<input type="checkbox"/> Find the Minimum Element in an Array	Basic
<input type="checkbox"/> Find the Second Maximum Element; if None, Print -1	Basic
<input type="checkbox"/> Find the Second Minimum Element; if None, Print -1	Basic
<input type="checkbox"/> Insert an Element at the Xth Position, Shifting Right	Basic
<input type="checkbox"/> Delete an Element at the Xth Position, Shifting Left	Basic

▼ String Basics

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<input type="checkbox"/> Print ASCII Value of Each Character in a String	Basic
<input type="checkbox"/> Count Letters, Numbers, and Special Characters in a String	Basic
<input type="checkbox"/> Find the Difference between the Number of Consonants and Vowels	Basic
<input type="checkbox"/> Convert Uppercase to Lowercase and Vice Versa in a String	Basic
<input type="checkbox"/> Remove Leading, Trailing, and Extra Spaces in a String	Basic
<input type="checkbox"/> Count the Number of Words in a String	Basic
<input type="checkbox"/> Find the Maximum and Minimum Occurring Characters in a String	Basic
<input type="checkbox"/> Check if There are Two or Three Consecutive Identical Characters in a String	Basic
<input type="checkbox"/> Find the First and Last Index of Occurrence for Each Character in a String	Basic
<input type="checkbox"/> Check if a String Contains All Letters from 'a' to 'z'	Basic
<input type="checkbox"/> Insert a Character at the First, Last, and Kth Position in a String	Basic
<input type="checkbox"/> Remove the First, Last, and Kth Character from a String	Basic
<input type="checkbox"/> Find a Specific Substring within a String	Basic
<input type="checkbox"/> Generate All Possible Substrings of a String	Basic
▼ Matrix Basics	
Problem	Difficulty
<input type="checkbox"/> Print a Matrix Row-Wise and Column-Wise	Basic
<input type="checkbox"/> Calculate the Total Sum of Elements in a Matrix	Basic
<input type="checkbox"/> Calculate the Sum of Each Row and Each Column in a Matrix	Basic

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Find the Maximum and Minimum Values in Each Row of a Matrix

Basic

Find the Maximum and Minimum Values in Each Column of a Matrix

Basic

Add and Subtract Two Matrices

Basic

Print the Upper Triangle and Lower Triangle of a Matrix

Basic

Print the Left and Right Diagonals of a Matrix

Basic

Print the Boundary Elements of a Matrix

Basic

Sort the Matrix Row-Wise and Column-Wise

Basic

Print the Matrix in a Zig-Zag Pattern

Basic

Check if a Matrix is Symmetric

Basic

Check if a Matrix is an Identity Matrix

Basic

Check if a Matrix is Sparse (Mostly Zeroes)

Basic

Find the Inverse of a Matrix

Basic

▼ Math Basics

Problem

Difficulty

Perform Basic Operations (Addition, Subtraction, Multiplication, Division) using Two Numbers

Basic

Find the Sum of Digits of a Number

Basic

Reverse a Given Number

Basic

Check if a Number is a Palindrome

Basic

Check if a Number is an Armstrong Number

Basic

Count the Total Occurrences of the Digit '1' in All Positive

Basic

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<input type="checkbox"/> Generate Fibonacci Numbers up to a Given Limit	Basic
<input type="checkbox"/> Calculate the Factorial of a Number	Basic
<input type="checkbox"/> Find the Number of Trailing Zeroes in the Factorial of a Given Number n	Basic
<input type="checkbox"/> Calculate the LCM and GCD of Two Numbers	Basic
<input type="checkbox"/> Check if a Number is Prime without using the Sieve of Eratosthenes	Basic
<input type="checkbox"/> Check if Two Numbers are Co-Prime	Basic
<input type="checkbox"/> Find All Divisors of a Given Number	Basic
<input type="checkbox"/> Perform Modulo Operations	Basic
<input type="checkbox"/> Check Divisibility Rules for Numbers from 1 to 20	Basic
▼ Recursion Basics	
Problem	Difficulty
<input type="checkbox"/> Introduction to Recursion	Theory
<input type="checkbox"/> Getting a hang of Recursion	Theory
<input type="checkbox"/> Some simple problems using Recursion	Theory
<input type="checkbox"/> Fast Exponentiation	Theory
<input type="checkbox"/> Power of Three	Theory
<input type="checkbox"/> Recursion: Time & Space Complexity Analysis - 1	Theory
<input type="checkbox"/> Recursion: Time & Space Complexity Analysis - 2	Theory
<input type="checkbox"/> Time Complexity Analysis using Recurrence Relations	Theory
<input type="checkbox"/> Calculate the Sum of Numbers from 1 to N using Recursion	Basic

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-
- Print the Fibonacci Series up to N Terms using Recursion Basic
-
- Print the Elements of an Array using Recursion Basic
-
- Count the Digits of a Given Number using Recursion Basic
-
- Find the Sum of Digits of a Number using Recursion Basic
-
- Find the GCD of Two Numbers using Recursion Basic
-
- Find the Largest Element of an Array using Recursion Basic
-
- Reverse a String using Recursion Basic
-
- Find the Factorial of a Number using Recursion Basic
-
- Convert a Decimal Number to Binary using Recursion Basic
-
- Check if a Number is a Prime Number using Recursion Basic
-
- Print Even or Odd Numbers in a Given Range using Recursion Basic
-
- Multiply Two Matrices using Recursion Basic
-
- Check if a Given String is a Palindrome using Recursion Basic
-
- Copy One String to Another using Recursion Basic
-
- Check if an Array is Sorted using Recursion Basic

Sorting

▼ Bubble Sort

Problem

- Bubble Sort Theory

▼ Insertion Sort

- Insertion Sort Algorithm Theory

- Insertion Sort List Medium

▼ Selection Sort

Problem	Difficulty
---------	------------

- Selection Sort Algorithm Theory

▼ Merge Sort

Problem	Difficulty
---------	------------

- Merge Sort Theory

- Count Inversions Medium

- Count of Smaller Numbers After Self Hard

- Count of Range Sum Hard

- Reverse Pairs Hard

- Create Sorted Array through Instructions Hard

- Count Good Triplets in an Array Hard

- Number of Pairs Satisfying Inequality Hard

▼ Quick Sort

Problem	Difficulty
---------	------------

- Quick Sort Theory

- Sort an Array Medium

▼ Counting Sort

Problem	Difficulty
---------	------------

- Counting Sort Theory

- Relative Sort Array Medium

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Reduce Array Size to The Half

Medium

 Maximum Ice Cream Bars

Medium

▼ Radix Sort

Problem

Difficulty

 Radix Sort

Theory

▼ Bucket Sort

Problem

Difficulty

 Bucket Sort

Theory

 Top K Frequent Elements

Medium

 Sort Characters By Frequency

Medium

 Maximum Gap

Medium

 Top K Frequent Words

Medium

 Contains Duplicate III

Hard

▼ Cyclic Sort

Problem

Difficulty

 First Missing Positive

Hard

 Missing Number

Easy

 Find the Duplicate Number

Medium

▼ Custom Sort

Problem

Difficulty

 Comparator Sort

Theory

 Custom Sort String

Medium

 Largest Number

Medium

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Sort the Jumbled Numbers

Medium

 Rank Teams by Votes

Medium

2 Pointers

▼ Two Pointer on Arrays

Problem

Difficulty

 Merge Two 2D Arrays by Summing Values

Easy

 Merge Sorted Array

Easy

 Sort Array by Parity

Easy

 Sort Array by Parity II

Easy

 Rearrange Array Elements by Sign

Medium

 Remove Duplicates from Sorted Array

Easy

 Remove Element

Easy

 Partition Array According to Given Pivot

Medium

 Rotate Array

Medium

 Apply Operations to an Array

Easy

 Find All K-Distant Indices in an Array

Easy

 Two Sum

Easy

 3Sum

Medium

 3Sum Closest

Medium

 4Sum

Medium

Sort Colors Medium

Container With Most Water Medium

Watering Plants II Medium

Next Permutation Medium

Next Greater Element III Medium

▼ Two Pointer on Strings

Problem	Difficulty
<input type="checkbox"/> Reverse String	Easy
<input type="checkbox"/> Reverse Prefix of Word	Easy
<input type="checkbox"/> Reverse Vowels of a String	Easy
<input type="checkbox"/> Reverse Words in a String	Medium
<input type="checkbox"/> Reverse Words in a String III	Easy
<input type="checkbox"/> Valid Palindrome	Easy
<input type="checkbox"/> Valid Palindrome II	Easy
<input type="checkbox"/> Lexicographically Smallest Palindrome	Easy
<input type="checkbox"/> Merge Strings Alternately	Easy
<input type="checkbox"/> Largest Merge of Two Strings	Medium
<input type="checkbox"/> Shortest Distance to a Character	Easy
<input type="checkbox"/> DI String Match	Easy
<input type="checkbox"/> Make String a Subsequence Using Cyclic Increments	Medium

- | | |
|---|--------|
| <input type="checkbox"/> Count Binary Substrings | Easy |
| <input type="checkbox"/> Minimum Length of String After Deleting Similar Ends | Medium |
| <input type="checkbox"/> String Compression | Medium |
| <input type="checkbox"/> Separate Black and White Balls | Medium |
| <input type="checkbox"/> Move Pieces to Obtain a String | Medium |
| <input type="checkbox"/> Sentence Similarity III | Medium |

Prefix Sum

▼ Prefix Sum

Problem	Difficulty
<input type="checkbox"/> Range Sum Query - Immutable	Easy
<input type="checkbox"/> Left and Right Sum Differences	Easy
<input type="checkbox"/> Count Vowel Strings in Ranges	Medium
<input type="checkbox"/> Minimum Penalty for a Shop	Medium
<input type="checkbox"/> Find Good Days to Rob the Bank	Medium
<input type="checkbox"/> Sum of Absolute Differences in a Sorted Array	Medium
<input type="checkbox"/> Product of Array Except Self	Medium
<input type="checkbox"/> Product of the Last K Numbers	Medium
<input type="checkbox"/> Removing Minimum Number of Magic Beans	Medium
<input type="checkbox"/> Find All Good Indices	Medium
<input type="checkbox"/> Movement of Robots	Medium

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Range Sum Query 2D - Immutable

Medium

Increment Submatrices by One

Medium

Power of Heroes

Hard

Minimum Cost to Make Array Equal

Hard

▼ Line Sweep

Problem

Difficulty

Maximum Population Year

Easy

Points That Intersect With Cars

Easy

Pongal Bunk

Medium

Car Pooling

Medium

My Calendar II

Medium

Shifting Letters II

Medium

Perfect Rectangle

Hard

Rectangle Area II

Hard

Number of Flowers in Full Bloom

Hard

Matrix

▼ Matrix Transformation and Modification

Problem

Difficulty

Convert 1D Array Into 2D Array

Easy

Modify the Matrix

Easy

Set Matrix Zeroes

Medium

Sort the Matrix Diagonally Medium

Minimum Operations to Write the Letter Y on a Grid Medium

Shift 2D Grid Easy

Matrix Similarity After Cyclic Shifts Easy

Transpose Matrix Easy

Rotate Image Medium

Rotating the Box Medium

Cyclically Rotating a Grid Medium

Game of Life Medium

Matrix Cells in Distance Order Easy

▼ Matrix Patterns and Validity Checks

Problem	Difficulty
---------	------------

Find Valid Matrix Given Row and Column Sums Medium

Check if Matrix is X-Matrix Easy

Queens That Can Attack the King Medium

Max Increase to Keep City Skyline Medium

Make a Square with the Same Color Easy

Subrectangle Queries Easy

Count Submatrices with Top-Left Element and Sum Less Than k Medium

Find the Minimum Area to Cover All Ones I Medium

Find the Minimum Area to Cover All Ones II

Hard

Valid Sudoku

Medium

Check if Move is Legal

Medium

Valid Tic-Tac-Toe State

Medium

Number of Laser Beams in a Bank

Medium

Where Will the Ball Fall

Medium

Image Overlap

Medium

Minimum Operations to Make a Uni-Value Grid

Medium

▼ Matrix Traversal and Summation

Problem

Difficulty

Row With Maximum Ones

Easy

Richest Customer Wealth

Easy

Lucky Numbers in a Matrix

Easy

Equal Row and Column Pairs

Medium

Difference Between Ones and Zeros in Row and Column

Medium

Matrix Diagonal Sum

Easy

Prime in Diagonal

Easy

Diagonal Traverse

Medium

Matrix Block Sum

Medium

Largest Local Values in a Matrix

Easy

Maximum Sum of an Hourglass

Medium

 Maximum Matrix Sum

Medium

 Find the Grid of Region Average

Medium

 Spiral Matrix

Medium

 Spiral Matrix II

Medium

Hashing

▼ Implementary Problems

Problem

Difficulty

 Find Common Elements Between Two Arrays

Easy

 Contains Duplicate

Easy

 Sum of Unique Elements

Easy

 Find All Duplicates in an Array

Medium

 Check if All Characters Have Equal Number of Occurrences

Easy

 Unique Number of Occurrences

Easy

 Find Common Characters

Easy

 Number of Good Pairs

Easy

 Permutation Difference Between Two Strings

Easy

 Check if the Sentence is Pangram

Easy

 Decode the Message

Easy

 Replace Elements in an Array

Medium

Count the Number of Special Characters II Medium

Reconstruct Original Digits from English Medium

Integer to Roman Medium

Find Words That Can Be Formed by Characters Easy

Find the XOR of Numbers Which Appear Twice Easy

Sort the People Easy

Form Smallest Number from Two-Digit Arrays Easy

Increasing Decreasing String Easy

Sort Array by Increasing Frequency Easy

Sort Characters by Frequency Medium

Merge Similar Items Easy

Substrings of Size Three with Distinct Characters Easy

Clear Digits Easy

HTML Entity Parser Medium

Largest Substring Between Two Equal Characters Easy

Remove Letter to Equalize Frequency Easy

Distribute Candies Easy

Path Crossing Easy

Buddy Strings Easy

- | | |
|--|--------|
| <input type="checkbox"/> Word Pattern | Easy |
| <input type="checkbox"/> Valid Anagram | Easy |
| <input type="checkbox"/> Find Resultant Array After Removing Anagrams | Easy |
| <input type="checkbox"/> Group Anagrams | Medium |
| <input type="checkbox"/> Majority Element | Easy |
| <input type="checkbox"/> Majority Element II | Medium |
| <input type="checkbox"/> Find All Lonely Numbers in the Array | Medium |
| <input type="checkbox"/> Smallest Missing Integer Greater Than Sequential Prefix Sum | Easy |
| <input type="checkbox"/> First Missing Positive | Hard |
| <input type="checkbox"/> Shortest Impossible Sequence of Rolls | Hard |
| <input type="checkbox"/> Find Occurrences of an Element in an Array | Medium |
| <input type="checkbox"/> Redistribute Characters to Make All Strings Equal | Easy |
| <input type="checkbox"/> Isomorphic Strings | Easy |
| <input type="checkbox"/> Groups of Special Equivalent Strings | Medium |
| <input type="checkbox"/> Word Subsets | Medium |
| <input type="checkbox"/> Find the Maximum Number of Elements in Subset | Medium |
| <input type="checkbox"/> People Whose List of Favorite Companies is Not a Subset of Another List | Medium |
| <input type="checkbox"/> Count the Number of Good Partitions | Hard |
| <input type="checkbox"/> Optimal Partition of String | Medium |

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- Custom Sort String Medium
- Finding the Users Active Minutes Medium
- Convert an Array into a 2D Array with Conditions Medium
- Group the People Given the Group Size They Belong To Medium
- Evaluate the Bracket Pairs of a String Medium
- Minimum Number of Operations to Make Word K-Periodic Medium
- Can Convert String in K Moves Medium
- Restore the Array from Adjacent Pairs Medium
- Tuple with Same Product Medium
- Split the Array to Make Coprime Products Hard
- 4Sum II Medium
- Count Artifacts That Can Be Extracted Medium
- Brick Wall Medium
- Pairs of Songs with Total Durations Divisible by 60 Medium
- Alphabet Board Path Medium
- Vowel Spellchecker Medium
- Bulls and Cows Medium
- Card Flipping Game Medium
- Maximum Size of a Set After Removals Medium

- Minimum Absolute Difference Queries Medium
- Check if Array Pairs are Divisible by K Medium
- Count Pairs That Form a Complete Day II Medium
- Count Number of Bad Pairs Medium
- Minimum Seconds to Equalize a Circular Array Medium
- Sum of Imbalance Numbers of All Subarrays Hard
- Grid Illumination Hard
- Maximum Equal Frequency Hard
- Rearranging Fruits Hard

▼ Hashing With Prefix Sum

Problem	Difficulty
<input type="checkbox"/> Subarray Sum Equals K	Medium
<input type="checkbox"/> Subarray Sums Divisible by K	Medium
<input type="checkbox"/> Make Sum Divisible by P	Medium
<input type="checkbox"/> Count Number of Bad Pairs	Medium
<input type="checkbox"/> Continuous Subarray Sum	Medium
<input type="checkbox"/> Count of Interesting Subarrays	Medium
<input type="checkbox"/> Count Number of Nice Subarrays	Medium
<input type="checkbox"/> Count Beautiful Substrings II	Hard
<input type="checkbox"/> Sum of Digit Differences of All Pairs	Medium

-
- Binary Subarrays with Sum Medium
-
- Number of Wonderful Substrings Medium
-
- Count the Number of Beautiful Subarrays Medium
-
- Number of Submatrices That Sum to Target Hard
-
- Count Subarrays with Median K Hard

Sliding Window

▼ Fixed Size Sliding-Window

Problem	Difficulty
<input type="checkbox"/> Substrings of Size Three with Distinct Characters	Easy
<input checked="" type="checkbox"/> Find All Anagrams in a String	Medium
<input checked="" type="checkbox"/> Permutation in String	Medium
<input checked="" type="checkbox"/> Check If a String Contains All Binary Codes of Size K	Medium
<input checked="" type="checkbox"/> Maximum Number of Vowels in a Substring of Given Length	Medium
<input checked="" type="checkbox"/> Maximum Average Subarray I	Easy
<input type="checkbox"/> Number of Sub-arrays of Size K and Average Greater than or Equal to Threshold	Medium
<input type="checkbox"/> K Radius Subarray Averages	Medium
<input type="checkbox"/> Maximum Sum of Distinct Subarrays With Length K	Medium
<input type="checkbox"/> Sliding Subarray Beauty	Medium
<input type="checkbox"/> Maximum Points You Can Obtain from Cards	Medium
<input type="checkbox"/> Sliding Window Median	Hard

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<input type="checkbox"/> Sliding Window Maximum	Hard
<input type="checkbox"/> Max Value of Equation	Hard
<input checked="" type="checkbox"/> Maximum Sum of 3 Non-Overlapping Subarrays	Hard
▼ Dynamic Size Sliding-Window	
Problem	Difficulty
<input checked="" type="checkbox"/> Longest Substring Without Repeating Characters	Medium
<input checked="" type="checkbox"/> Longest Repeating Character Replacement	Medium
<input checked="" type="checkbox"/> Maximum Number of Occurrences of a Substring	Medium
<input type="checkbox"/> Max Consecutive Ones III	Medium
<input type="checkbox"/> Count the Number of Substrings With Dominant Ones	Medium
<input type="checkbox"/> Minimum Window Substring	Hard
<input type="checkbox"/> Substring with Concatenation of All Words	Hard
<input type="checkbox"/> Minimum Size Subarray Sum	Medium
<input type="checkbox"/> Longest Continuous Subarray With Absolute Diff Less Than or Equal to Limit	Medium
<input type="checkbox"/> Fruit Into Baskets	Medium
<input type="checkbox"/> Subarray Product Less Than K	Medium
<input type="checkbox"/> Grumpy Bookstore Owner	Medium
<input type="checkbox"/> Moving Stones Until Consecutive II	Medium
<input type="checkbox"/> Count Number of Nice Subarrays	Medium
<input type="checkbox"/> Number of Subarrays with Bounded Maximum	Medium

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- | | |
|---|--------|
| <input type="checkbox"/> Maximum Erasure Value | Medium |
| <input type="checkbox"/> Longest Subarray of 1's After Deleting One Element | Medium |
| <input type="checkbox"/> Count the Number of Good Subarrays | Medium |
| <input type="checkbox"/> Minimum Consecutive Cards to Pick Up | Medium |
| <input type="checkbox"/> Minimum Operations to Reduce X to Zero | Medium |
| <input type="checkbox"/> Frequency of the Most Frequent Element | Medium |
| <input type="checkbox"/> Subarrays with K Different Integers | Hard |

Linked List

▼ Linked List (Part 1)

- | Problem | Difficulty |
|--|------------|
| <input type="checkbox"/> Convert Binary Number in a Linked List to Integer | Easy |
| <input type="checkbox"/> Intersection of Two Linked Lists | Easy |
| <input type="checkbox"/> Middle of the Linked List | Easy |
| <input type="checkbox"/> Linked List Cycle | Easy |
| <input type="checkbox"/> Linked List Cycle II | Medium |
| <input type="checkbox"/> Find Length of Loop | Easy |
| <input type="checkbox"/> Reverse Linked List | Easy |
| <input type="checkbox"/> Palindrome Linked List | Easy |
| <input type="checkbox"/> Reverse Nodes in k-Group | Hard |
| <input type="checkbox"/> Odd Even Linked List | Easy |

-
- Remove Duplicates from Sorted List Easy
-
- Remove Nth Node From End of List Medium
-
- Delete the Middle Node of a Linked List Medium
-
- Add 1 to a Linked List Number Medium
-
- Add Two Numbers Medium
-
- Sort a Linked List of 0s, 1s, and 2s Medium
-
- Sort List Medium
-
- Linked List Random Node Medium
-
- Copy List with Random Pointer Medium
-
- Flattening a Linked List Medium
-
- Merge Two Sorted Lists Easy
-
- Merge k Sorted Lists Hard
- ▼ Linked List (Part 2) : Design Pattern

Problem	Difficulty
<input type="checkbox"/> Design HashSet Easy	
<input type="checkbox"/> Design HashMap Easy	
<input type="checkbox"/> Design Browser History Medium	
<input type="checkbox"/> Design a Text Editor Hard	
<input type="checkbox"/> All O'one Data Structure Hard	
<input type="checkbox"/> LRU Cache Medium	

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▼ Parentheses Problem

Problem	Difficulty
<input checked="" type="checkbox"/> Valid Parentheses	Easy
<input type="checkbox"/> Maximum Nesting Depth of the Parentheses	Easy
<input type="checkbox"/> Remove Outermost Parentheses	Easy
<input checked="" type="checkbox"/> Minimum Add to Make Parentheses Valid	Medium
<input checked="" type="checkbox"/> Minimum Remove to Make Valid Parentheses	Medium
<input checked="" type="checkbox"/> Maximum Nesting Depth of Two Valid Parentheses Strings	Medium
<input type="checkbox"/> Check if a Parentheses String Can Be Valid	Medium
<input type="checkbox"/> Reverse Substrings Between Each Pair of Parentheses	Medium
<input type="checkbox"/> Score of Parentheses	Medium
<input type="checkbox"/> Minimum Insertions to Balance a Parentheses String	Medium
<input type="checkbox"/> Longest Valid Parentheses	Hard
<input type="checkbox"/> Redundant Parenthesis	Hard

▼ Design Problems

Problem	Difficulty
<input type="checkbox"/> Min Stack	Medium
<input type="checkbox"/> Maximum Frequency Stack	Hard
<input type="checkbox"/> Design a Stack With Increment Operation	Medium
<input type="checkbox"/> Dinner Plate Stacks	Hard

▼ Advance Stack Problems

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<input type="checkbox"/> Merge Intervals	Medium
<input type="checkbox"/> Insert Intervals	Medium
<input type="checkbox"/> Asteroid Collision	Medium
<input type="checkbox"/> Construct Smallest Number From DI String	Medium
<input type="checkbox"/> Evaluate Reverse Polish Notation	Medium
<input type="checkbox"/> Simplify Path	Medium
<input type="checkbox"/> Basic Calculator	Hard
<input type="checkbox"/> Basic Calculator II	Medium
<input type="checkbox"/> Basic Calculator IV	Hard
<input type="checkbox"/> Replace Non-Coprime Numbers in Array	Hard
<input type="checkbox"/> Robot Collisions	Hard
<input type="checkbox"/> Number of atoms	Hard
▼ Monotonic Stack	
Problem	Difficulty
<input type="checkbox"/> Final Prices With a Special Discount in a Shop	Easy
<input type="checkbox"/> Next Greater Element I	Easy
<input type="checkbox"/> Next Greater Element II	Medium
<input type="checkbox"/> Next Greater Element IV	Hard
<input type="checkbox"/> Daily Temperatures	Medium
<input type="checkbox"/> Car Fleet	Medium
<input type="checkbox"/> Car Fleet II	Hard

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- 132 Pattern Medium
- Smallest Subsequence of Distinct Characters Medium
- Count Submatrices With All Ones Medium
- Remove Duplicate Letters Medium
- The Number of Weak Characters in the Game Medium
- Maximum Subarray Min-Product Medium
- Sum of Subarray Minimums Medium
- Shortest Unsorted Continuous Subarray Medium
- Remove K Digits Medium
- Beautiful Towers I Medium
- Beautiful Towers II Medium
- Online Stock Span Medium
- Minimum Number of Increments on Subarrays to Form a Target Array Hard
- Maximum Score of a Good Subarray Hard
- Number of Visible People in a Queue Hard
- Trapping Rain Water Hard
- Maximal Rectangle Hard
- Largest Rectangle in Histogram Hard
- Create Maximum Number Hard

Find Building Where Alice And Bob Can Meet Hard

Sum Of Total Strength Of Wizards Hard

Find the Number of Subarrays Where Boundary Elements Are Maximum Hard

Queue

▼ Implementation Problems

Problem	Difficulty
---------	------------

C++ STL (queue) Easy

Implement Queue using Array Easy

Implement Stack using Queues Easy

Implement Queue using Stacks Easy

Queue using Two Stacks Easy

Implement Queue using Linked List Easy

Design Circular Queue Medium

Design Front Middle Back Queue Medium

N-Queue using Array Hard

▼ Singly-Ended Queue

Problem	Difficulty
---------	------------

Reverse First K Elements of Queue Easy

First Non-Repeating Character in a Stream Easy

First Negative Integer in Every Window of Size K Medium

Dota2 Senate Medium

Find the Winner of the Circular Game

Medium

Reveal Cards in Increasing Order

Medium

Minimum Number of K Consecutive Bit Flips

Hard

Stamping the Sequence

Hard

▼ Doubly-Ended Queue

Problem

Difficulty

Deque Implementations

Easy

Design Circular Deque

Medium

Jump Game VI

Medium

Continuous Subarrays

Medium

Max Value of Equation

Hard

Sliding Window Maximum

Hard

Shortest Subarray with Sum at Least K

Hard

Constrained Subsequence Sum

Hard

Binary Search

▼ Introductory Problems

Problem

Difficulty

Binary Search

Easy

Guess Number Higher or Lower

Easy

H-Index II

Medium

▼ Upper Bound and Lower Bound

- Find First and Last Position of Element in Sorted Array Medium
- Special Array With X Elements Greater Than or Equal X Easy
- Find Smallest Letter Greater Than Target Easy
- Longest Subsequence With Limited Sum Easy
- First Bad Version Easy
- Arranging Coins Easy
- Find the Distance Value Between Two Arrays Easy
- Search Insert Position Easy
- Find Target Indices After Sorting Array Easy
- Find Right Interval Medium
- Online Election Medium
- Most Beautiful Item for Each Query Medium
- Time Based Key-Value Store Medium
- Random Pick with Weight Medium
- Plates Between Candles Medium
- Successful Pairs of Spells and Potions Medium
- Range Frequency Queries Medium
- Minimum Operations to Make All Array Elements Equal Medium
- Count Number of Rectangles Containing Each Point Medium
- Count the Number of Fair Pairs Medium

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Minimum Absolute Sum Difference

Medium

Find the Longest Valid Obstacle Course at Each Position

Hard

Find the Number of Subarrays Where Boundary Elements Are Maximum

Hard

▼ Search on Matrix

Problem

Difficulty

Count Negative Numbers in a Sorted Matrix

Easy

Search a 2D Matrix

Medium

Search a 2D Matrix II

Medium

Median in a Row-wise Sorted Matrix

Hard

▼ Missing and Repeating Number

Problem

Difficulty

Missing Number

Easy

Kth Missing Positive Number

Easy

Single Element in a Sorted Array

Medium

Minimum Common Value

Easy

Find the Duplicate Number

Medium

▼ Binary Search on Semi-Sorted Space

Problem

Difficulty

Find Peak Element

Medium

Find a Peak Element II

Medium

Find Minimum in Rotated Sorted Array

Medium

Peak Index in a Mountain Array

Medium

Search in Rotated Sorted Array Medium

Search in Rotated Sorted Array II Medium

Rotation Medium

Find Minimum in Rotated Sorted Array II Hard

Find in Mountain Array Hard

▼ Binary Search On Answer

Problem	Difficulty
---------	------------

Sqrt(x) Easy

Capacity to Ship Packages Within D Days Medium

Koko Eating Bananas Medium

Find the Smallest Divisor Given a Threshold Medium

Minimum Number of Days to Make M Bouquets Medium

Aggressive Cows Medium

Maximum Candies Allocated to K Children Medium

Most Profit Assigning Work Medium

Maximum Value at a Given Index in a Bounded Array Medium

Maximum Side Length of a Square With Sum Less Than or Equal to Threshold Medium

Minimum Speed to Arrive on Time Medium

Minimum Time to Repair Cars Medium

Maximum Number of Removable Characters Medium

- Heaters Medium
- Earliest Second to Mark Indices I Medium
- Maximum White Tiles Covered by a Carpet Medium
- Minimum Absolute Difference Between Elements with Constraint Medium
- Sell Diminishing-Valued Colored Balls Medium
- Ugly Number III Medium
- Minimize the Maximum of Two Arrays Medium
- Split Array Largest Sum Medium
- Maximum Running Time of N Computers Medium
- Maximum Number of Robots Within Budget Hard
- Maximum Number of Groups With Increasing Length Hard
- Maximum Number of Tasks You Can Assign Hard
- Median of Two Sorted Arrays Hard

▼ Minmax Problems

Problem	Difficulty
<input type="checkbox"/> Magnetic Force Between Two Balls	Medium
<input type="checkbox"/> Maximum Tastiness of Candy Basket	Medium
<input type="checkbox"/> Minimum Limit of Balls in a Bag	Medium
<input type="checkbox"/> Minimized Maximum of Products Distributed to Any Store	Medium
<input type="checkbox"/> Minimize the Maximum Difference of Pairs	Medium

Maximize the Minimum Powered City

Hard

▼ Finding the K-th Element

Problem

Difficulty

Kth Smallest Number in Multiplication Table

Hard

Find K-th Smallest Pair Distance

Hard

Kth Smallest Element in a Sorted Matrix

Hard

Find the Median of the Uniqueness Array

Hard

Kth Smallest Product of Two Sorted Arrays

Hard

Kth Smallest Amount With Single Denomination Combination

Hard

Find the Kth Smallest Sum of a Matrix With Sorted Rows

Hard

Bit Manipulation

▼ Basic Bit Concepts

Problem

Difficulty

Decimal to Binary

Easy

Get, Set, Clear ith Bit

Easy

Kth Bit is Set or Not

Easy

Check Odd or Even

Easy

Set the Rightmost Unset Bit

Easy

Number Complement

Easy

Number of 1 Bits

Easy

Counting Bits

Easy

- Count Total Set Bits Medium
- Reverse Bits Easy
- Power of Two Easy
- Power of Four Easy
- Hamming Distance Easy
- Add Binary Easy
- Total Hamming Distance Medium
- UTF-8 Validation Easy
- Single Number II Medium
- Divide Two Integers Medium

▼ Bitwise XOR operator

Problem	Difficulty
<input type="checkbox"/> Decode Xored Array	Easy
<input type="checkbox"/> Single Number	Easy
<input type="checkbox"/> Single Number III	Medium
<input type="checkbox"/> Sum of Two Integers	Medium
<input type="checkbox"/> Swap Two Numbers (with Temp Variable)	Easy
<input type="checkbox"/> Missing Number	Easy
<input type="checkbox"/> Decode Xored Permutation	Easy
<input type="checkbox"/> Find the Original Array of Prefix XOR	Medium

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Gray Code Medium

XOR Queries of a Subarray Medium

XOR Sequences Medium

Minimum Number of Operations to Make Array XOR Equal to K Medium

Maximum XOR Product Medium

Neighboring Bitwise XOR Medium

Minimum XOR Sum of Two Arrays Hard

Find XOR Sum of All Pairs Bitwise AND Hard

Find Longest Awesome Substring Hard

▼ Bitwise OR operator

Problem	Difficulty
---------	------------

Shortest Subarray with OR at Least K Medium

Minimum Array End Medium

Maximum OR Medium

Find Subarray with Bitwise OR Closest to K Hard

Minimize OR of Remaining Elements Using Operations Hard

▼ Bitwise AND operator

Problem	Difficulty
---------	------------

Minimum Flips to Make A or B Equal to C Medium

Longest Nice Subarray Medium

Bitwise AND of Numbers Range Medium

Longest Subarray with Maximum Bitwise AND

Medium

Number of Subarrays with AND Value of K

Hard

Triples with Bitwise AND Equal to Zero

Hard

Minimum Operations to Form Subsequence with Target Sum

Hard

Recursion & Backtracking

▼ Recursion Problems

Problem

Difficulty

Power of Two

Easy

Power of Three

Easy

Power of Four

Easy

Fibonacci Number

Easy

Pow(x, n)

Medium

Count Good Numbers

Easy

Minimum Non-Zero Product of the Array Elements

Medium

Delete Middle Element of a Stack

Easy

Sort a Stack

Medium

Josephus Problem

Easy

Find the Winner of the Circular Game

Medium

Predict the Winner

Medium

Tower of Hanoi

Medium

Different Ways to Add Parentheses

Medium

Basic Calculator

Hard

Permutation Sequence

Hard

Regular Expression Matching

Hard

Wildcard Matching

Hard

Integer to English Words

Hard

Special Binary String

Hard

▼ Permutation Problems

Problem

Difficulty

Permutations

Medium

Construct Smallest Number from DI String

Medium

Beautiful Arrangement

Medium

▼ Combination Problems

Problem

Difficulty

Target Sum

Medium

Combinations

Medium

Letter Combinations of a Phone Number

Medium

Letter Case Permutation

Medium

K-th Lexicographical String of All Happy Strings of Length n

Medium

Combination Sum

Medium

Combination Sum II

Medium

- Combination Sum III Medium

- Maximum Compatibility Score Sum Medium

- Numbers with Same Consecutive Differences Medium

- N-Queens Hard

▼ Subsets Problems

Problem	Difficulty
---------	------------

- Subsets Medium

- Subsets II Medium

- Non-Decreasing Subsequences Medium

- Number of Beautiful Subsets Medium

▼ Path on Grid Problems

Problem	Difficulty
---------	------------

- Rat in a Maze Problem Medium

- Sudoku Solver Hard

Binary Tree

▼ Traversals

Problem	Difficulty
---------	------------

- Binary Tree Preorder Traversal Easy

- Binary Tree Inorder Traversal Easy

- Binary Tree Postorder Traversal Easy

- Preorder, Postorder, Inorder in a Single Traversal Easy

▼ Properties of trees

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<input checked="" type="checkbox"/> Remove Half Nodes	Easy
<input checked="" type="checkbox"/> Balanced Binary Tree	Easy
<input checked="" type="checkbox"/> Maximum Depth of Binary Tree	Easy
<input checked="" type="checkbox"/> Diameter of Binary Tree	Easy
<input checked="" type="checkbox"/> Count Complete Tree Nodes	Easy
<input checked="" type="checkbox"/> Minimum Depth of Binary Tree	Easy
<input checked="" type="checkbox"/> Check Completeness of a Binary Tree	Medium
▼ Construction of Tree	
Problem	Difficulty
<input checked="" type="checkbox"/> Construct Binary Tree from Parent Array	Medium
<input checked="" type="checkbox"/> Linked List to Binary Tree	Medium
<input checked="" type="checkbox"/> Construct Binary Tree from Preorder and Inorder Traversal	Medium
<input checked="" type="checkbox"/> Construct Binary Tree from Inorder and Postorder Traversal	Medium
<input checked="" type="checkbox"/> Construct Binary Tree from Preorder and Postorder Traversal	Medium
<input checked="" type="checkbox"/> Construct Binary Tree from String with Bracket Representation	Medium
▼ Two tree Validation	
Problem	Difficulty
<input checked="" type="checkbox"/> Same Tree	Easy
<input checked="" type="checkbox"/> Two Mirror Trees	Easy
<input checked="" type="checkbox"/> Merge Two Binary Trees	Easy
<input checked="" type="checkbox"/> Subtree of Another Tree	Easy

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Check if Tree is Isomorphic

Easy

Leaf-Similar Trees

Easy

Check if Subtree

Medium

Mirror Tree

Medium

▼ Level Order Traversal

Problem

Difficulty

Binary Tree Level Order Traversal

Medium

Binary Tree Level Order Traversal II

Medium

Cousins in Binary Tree

Easy

Average of Levels in Binary Tree

Easy

Minimum Number of Operations to Sort a Binary Tree by Level

Medium

Binary Tree Right Side View

Easy

Left View of Binary Tree

Easy

Top View of Binary Tree

Medium

Vertical Order Traversal of a Binary Tree

Hard

Serialize and Deserialize Binary Tree

Hard

All Nodes Distance K in Binary Tree

Medium

Burning Tree

Hard

Populating Next Right Pointers in Each Node

Medium

▼ Binary Tree Path

<input type="checkbox"/> Binary Tree Paths	Easy
<input type="checkbox"/> Path Sum	Easy
<input type="checkbox"/> Children Sum in a Binary Tree	Medium
<input type="checkbox"/> Path Sum II	Medium
<input type="checkbox"/> Sum Root to Leaf Numbers	Medium
<input type="checkbox"/> Binary Tree Maximum Path Sum	Hard
<input type="checkbox"/> Path Sum III	Medium
<input type="checkbox"/> Lowest Common Ancestor of a Binary Tree	Medium

▼ N-ary Tree

Problem	Difficulty
<input type="checkbox"/> N-ary Tree	Theory
<input type="checkbox"/> N-ary Tree Postorder Traversal	Easy
<input type="checkbox"/> N-ary Tree Preorder Traversal	Easy
<input type="checkbox"/> Maximum Depth of N-ary Tree	Easy

Binary Search Tree

▼ Basic Operations

Problem	Difficulty
<input type="checkbox"/> Search in a Binary Search Tree	Easy
<input type="checkbox"/> Insert into a Binary Search Tree	Medium
<input type="checkbox"/> Delete Node in a BST	Medium

▼ Construction of BST

Problem	Difficulty
<input type="checkbox"/> Construct a Binary Search Tree	Medium

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- Convert Sorted List to Binary Search Tree Medium
- Convert BST to Greater Tree Medium
- Trim a Binary Search Tree Medium
- Serialize and Deserialize BST Medium
- Construct Binary Search Tree from Preorder Traversal Medium
- Construct BST from Postorder Medium
- Balance a Binary Search Tree Medium
- Binary Search Tree to Greater Sum Tree Medium

▼ Validation and Property

Problem	Difficulty
<input type="checkbox"/> Find Mode in Binary Search Tree	Easy
<input type="checkbox"/> Range Sum of BST	Easy
<input type="checkbox"/> Validate Binary Search Tree	Medium
<input type="checkbox"/> Minimum Distance Between BST Nodes	Easy
<input type="checkbox"/> Kth Smallest Element in a BST	Medium
<input type="checkbox"/> Increasing Order Search Tree	Easy
<input type="checkbox"/> Two Sum IV - Input is a BST	Easy
<input type="checkbox"/> Maximum Sum BST in Binary Tree	Hard
<input type="checkbox"/> Find Common Nodes in two BSTs	Medium
<input type="checkbox"/> All Elements in Two Binary Search Trees	Medium

- | | |
|--|--------|
| <input type="checkbox"/> Unique Binary Search Trees | Medium |
| <input type="checkbox"/> Recover Binary Search Tree | Medium |
| <input type="checkbox"/> Number of Ways to Reorder Array to Get Same BST | Hard |
| <input type="checkbox"/> Binary Search Tree Iterator | Medium |
| <input type="checkbox"/> Lowest Common Ancestor of a Binary Search Tree | Medium |
| <input type="checkbox"/> Closest Nodes Queries in a Binary Search Tree | Medium |

Heap (Priority Queue)

▼ Introductory Questions

- | Problem | Difficulty |
|---|------------|
| <input type="checkbox"/> Implementation of Priority Queue using Binary Heap | Easy |
| <input type="checkbox"/> Heap Sort | Medium |
| <input type="checkbox"/> Does Array Represent Heap? | Easy |
| <input type="checkbox"/> Is Binary Tree Heap? | Medium |
| <input type="checkbox"/> Operations on Binary Min Heap | Medium |
| <input type="checkbox"/> Convert Min Heap to Max Heap | Medium |

▼ Implementary Questions

- | Problem | Difficulty |
|---|------------|
| <input type="checkbox"/> Relative Ranks | Easy |
| <input type="checkbox"/> Take Gifts From the Richest Pile | Easy |
| <input type="checkbox"/> Last Stone Weight | Easy |
| <input type="checkbox"/> Largest Number After Digit Swaps by Parity | Easy |

- | | |
|--|--------|
| <input type="checkbox"/> Minimum Amount of Time to Fill Cups | Easy |
| <input type="checkbox"/> Seat Reservation Manager | Medium |
| <input type="checkbox"/> Sort Characters By Frequency | Medium |
| <input type="checkbox"/> Reduce Array Size to The Half | Medium |
| <input type="checkbox"/> Longest Happy String | Medium |
| <input type="checkbox"/> Reorganize String | Medium |
| <input type="checkbox"/> Maximum Average Pass Ratio | Medium |
| <input type="checkbox"/> Find Score of an Array After Marking All Elements | Medium |
| <input type="checkbox"/> Furthest Building You Can Reach | Medium |
| <input type="checkbox"/> Distant Barcodes | Medium |
| <input type="checkbox"/> Task Scheduler | Medium |
| <input type="checkbox"/> Maximal Score After Applying K Operations | Medium |
| <input type="checkbox"/> Single Threaded CPU | Medium |
| <input type="checkbox"/> Most Popular Video Creator | Medium |
| <input type="checkbox"/> Total Cost to Hire K Workers | Medium |
| <input type="checkbox"/> Most Frequent IDs | Medium |
| <input type="checkbox"/> Process Tasks Using Servers | Medium |
| <input type="checkbox"/> Maximum Number of Eaten Apples | Medium |
| <input type="checkbox"/> Maximum Number of Events That Can Be Attended | Medium |

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- Minimum Operations to Exceed Threshold Value II Medium
-
- Put Marbles in Bags Hard
-
- Maximum Spending After Buying Items Hard
-
- Trapping Rain Water II Hard
-
- Maximum Subsequence Score Medium
-
- Maximum Performance of a Team Hard
-
- Max Value of Equation Hard
-
- The Skyline Problem Hard
-
- Maximum Elegance of a K-Length Subsequence Hard

▼ Kth Pattern Problems

Problem	Difficulty
<input type="checkbox"/> The K Weakest Rows in a Matrix	Easy
<input type="checkbox"/> Kth Largest Element in an Array	Medium
<input type="checkbox"/> Kth Largest Element in a Stream	Easy
<input type="checkbox"/> Find Subsequence of Length K With the Largest Sum	Easy
<input type="checkbox"/> K-th Smallest Prime Fraction	Medium
<input type="checkbox"/> K Closest Points to Origin	Medium
<input type="checkbox"/> Top K Frequent Elements	Medium
<input type="checkbox"/> Kth Smallest Element in a Sorted Matrix	Medium
<input type="checkbox"/> Find Kth Largest XOR Coordinate Value	Medium

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- Top K Frequent Words Medium
- Find K Closest Elements Medium
- Ugly Number II Medium
- Find the Kth Largest Integer in the Array Medium
- Reward Top K Students Medium
- Query Kth Smallest Trimmed Number Medium
- K Highest Ranked Items Within a Price Range Medium
- Find the Kth Smallest Sum of a Matrix With Sorted Rows Hard
- Find the K-Sum of an Array Hard

▼ Minimize Operations

Problem	Difficulty
<input type="checkbox"/> Remove Stones to Minimize the Total	Medium
<input type="checkbox"/> Minimum Operations to Halve Array Sum	Medium
<input type="checkbox"/> The Number of the Smallest Unoccupied Chair	Medium
<input type="checkbox"/> Lexicographically Minimum String After Removing Stars	Medium
<input type="checkbox"/> Replace Question Marks in String to Minimize Its Value	Medium
<input type="checkbox"/> Minimum Sum of Squared Difference	Medium
<input type="checkbox"/> Minimum Cost to Hire K Workers	Hard
<input type="checkbox"/> Minimize Deviation in Array	Hard
<input type="checkbox"/> Minimum Moves to Move a Box to Their Target Location	Hard

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Problem**Difficulty**

Merge K Sorted Lists

Hard

Find K Pairs with Smallest Sums

Hard

Merge K Sorted Arrays

Medium

▼ Two Heap Pattern

Problem**Difficulty**

Number of Orders in the Backlog

Medium

Sliding Window Median

Hard

IPO

Hard

Find Median from Data Stream

Hard

Meeting Rooms III

Hard

Time to Cross a Bridge

Hard

Tries

▼ Introductory Questions

Problem**Difficulty**

Implement Trie (Prefix Tree)

Medium

Trie Delete

Hard

Design Add and Search Words Data Structure

Medium

Map Sum Pairs

Medium

▼ Trie with Bit Manipulation

Problem**Difficulty**

Maximum XOR of Two Numbers in an Array

Hard

Minimum XOR Value Pair

Hard

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Maximum XOR With an Element From Array

Hard

Count Pairs With XOR in a Range

Hard

Maximum Strong Pair XOR II

Hard

▼ Trie involving String

Problem

Difficulty

Longest Common Prefix

Medium

Find the Length of the Longest Common Prefix

Medium

Search Suggestions System

Medium

Sum of Prefix Scores of Strings

Hard

Prefix and Suffix Search

Hard

Longest Common Suffix Queries

Hard

Count Prefix and Suffix Pairs II

Hard

Stream of Characters

Hard

Extra Characters in a String

Medium

Implement Magic Dictionary

Medium

Number of Matching Subsequences

Medium

Camelcase Matching

Medium

Short Encoding of Words

Medium

Encrypt and Decrypt Strings

Hard

Longest Word in Dictionary

Medium

Problem	Difficulty
<input type="checkbox"/> Shortest Uncommon Substring in an Array	Medium
<input type="checkbox"/> Word Break	Medium
<input type="checkbox"/> Word Break II	Hard
<input type="checkbox"/> Word Search II	Hard
<input type="checkbox"/> Palindrome Pairs	Hard
▼ Trie involving File System	
Problem	Difficulty
<input type="checkbox"/> Remove Sub-Folders from the Filesystem	Hard
<input type="checkbox"/> Delete Duplicate Folders in System	Medium
Greedy	
▼ Part I	
Problem	Difficulty
<input type="checkbox"/> Maximum 69 Number	Easy
<input type="checkbox"/> Maximum Sum with Exactly K Elements	Easy
<input type="checkbox"/> Minimum Time to Type Word Using Special Typewriter	Easy
<input type="checkbox"/> Minimum Operations to Make the Array Increasing	Easy
<input type="checkbox"/> Minimum Number of Operations to Convert Time	Easy
<input type="checkbox"/> Assign Cookies	Easy
<input type="checkbox"/> Play with Chips	Easy
<input type="checkbox"/> Jump Game	Medium
<input type="checkbox"/> Jump Game II	Medium

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- Wiggle Subsequence Medium
- Cinema Seat Allocation Medium
- Advantage Shuffle Medium
- Minimum Score by Changing Two Elements Medium
- Minimum Operations to Make Array Equal II Medium
- Mice and Cheese Medium
- Minimum Seconds to Equalize a Circular Array Medium
- Maximum Bags with Full Capacity of Rocks Medium
- Minimize Maximum of Array Medium
- Minimum Platforms Medium
- Fractional Knapsack Medium
- Activity Selection Medium
- Job Sequencing Problem Medium
- Non-Overlapping Intervals Medium
- Divide Intervals into Minimum Number of Groups Medium
- Task Scheduler Medium
- Minimum Number of Operations to Make Arrays Similar Hard
- Minimum Cost for Cutting Cake II Hard
- Patching Array Hard

- Reverse Subarray to Maximize Array Value Hard
- Super Washing Machines Hard
- Minimum Cost to Equalize Array Hard
- Optimal Partition of String Medium
- Minimum Swaps to Make Strings Equal Medium
- Maximum Number of Non-Overlapping Substrings Hard
- Lexicographically Smallest Beautiful String Hard
- Count K-Subsequences of a String with Maximum Beauty Hard
- Bag of Tokens Medium
- Boats to Save People Medium
- Maximum Matching of Players with Trainers Medium
- Candy Hard

▼ Part II

Problem	Difficulty
<input type="checkbox"/> Lemonade Change	Easy
<input type="checkbox"/> Gas Station	Medium
<input type="checkbox"/> Group the People Given the Group Size They Belong To	Medium
<input type="checkbox"/> Divide Array in Sets of K Consecutive Numbers	Medium
<input type="checkbox"/> Previous Permutation with One Swap	Medium
<input type="checkbox"/> Partition Labels	Medium

- | | |
|--|--------|
| <input type="checkbox"/> Construct K Palindrome Strings | Medium |
| <input type="checkbox"/> Reorganize String | Medium |
| <input type="checkbox"/> String Without AAA or BBB | Medium |
| <input type="checkbox"/> Check If a String Can Break Another String | Medium |
| <input type="checkbox"/> Remove Duplicate Letters | Medium |
| <input type="checkbox"/> Largest Merge of Two Strings | Medium |
| <input type="checkbox"/> Shortest String That Contains Three Strings | Medium |
| <input type="checkbox"/> Lexicographically Smallest String After Substring Operation | Medium |
| <input type="checkbox"/> Minimum Rounds to Complete All Tasks | Medium |
| <input type="checkbox"/> Number of Burgers with No Waste of Ingredients | Medium |
| <input type="checkbox"/> Queue Reconstruction by Height | Medium |
| <input type="checkbox"/> Car Pooling | Medium |

Dynamic Programming Level 1

▼ Linear DP

Problem	Difficulty
<input checked="" type="checkbox"/> Climbing Stairs	Easy
<input checked="" type="checkbox"/> Min Cost Climbing Stairs	Easy
<input checked="" type="checkbox"/> Perfect Squares	Medium
<input checked="" type="checkbox"/> Decode Ways	Medium
<input type="checkbox"/> Unique Binary Search Trees	Medium

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House Robber Medium

Coin Change Medium

Best Time to Buy and Sell Stock Easy

Minimum Cost For Tickets Medium

Delete and Earn Medium

Maximum Total Damage With Spell Casting Medium

Arithmetic Slices Medium

Longest Arithmetic Subsequence of Given Difference Medium

Partition Array for Maximum Sum Medium

Maximize Consecutive Elements in an Array After Modification Hard

▼ 2 Dimensional DP

Problem	Difficulty
---------	------------

Coin Change II Medium

Knight Dialer Medium

Partition Equal Subset Sum Medium

Triangle Medium

Student Attendance Record Leetcode Hard

Find the Maximum Length of a Good Subsequence II Hard

K Inverse Pairs Array Hard

Combination Sum IV Medium

<input type="checkbox"/> Largest Sum of Averages	Medium
<input checked="" type="checkbox"/> Longest Arithmetic Subsequence	Medium
<input type="checkbox"/> Number of Dice Rolls With Target Sum	Medium
<input type="checkbox"/> Dice Roll Simulation	Medium
<input type="checkbox"/> Number of Strings Which Can Be Rearranged to Contain Substring	Hard
<input checked="" type="checkbox"/> Frog Jump	Hard
<input type="checkbox"/> Best Time to Buy and Sell Stock II	Hard
<input type="checkbox"/> Best Time to Buy and Sell Stock III	Hard
<input type="checkbox"/> Best Time to Buy and Sell Stock IV	Hard
<input type="checkbox"/> Freedom Trail	Hard
<input type="checkbox"/> Number of Music Playlists	Hard
<input type="checkbox"/> Count Vowels Permutation	Hard
<input type="checkbox"/> Best Time to Buy and Sell Stock with Transaction Fee	Medium
<input type="checkbox"/> Minimum Distance to Type a Word Using Two Fingers	Hard
<input type="checkbox"/> Minimum Difficulty of a Job Schedule	Hard
<input type="checkbox"/> Best Time to Buy and Sell Stock with Cooldown	Medium
<input type="checkbox"/> Number of Ways to Paint N × 3 Grid	Hard
<input type="checkbox"/> Build Array Where You Can Find The Maximum Exactly K Comparisons	Hard
<input type="checkbox"/> Number of Ways of Cutting a Pizza	Hard

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Paint House III

Hard

 Count All Possible Routes

Hard

▼ DP On Grid

Problem

Difficulty

 Geek's Training

Medium

 Unique Paths

Medium

 Unique Paths II

Medium

 Minimum Path Sum

Medium

 Maximum Non Negative Product in a Matrix

Medium

 Maximum Difference Score in a Grid

Medium

 Minimum Number of Operations to Satisfy Conditions

Medium

 Maximum Number of Moves in a Grid

Medium

 Where Will the Ball Fall

Medium

 Dungeon Game

Hard

 Cherry Pickup

Hard

 Number of Paths with Max Score

Hard

 Cherry Pickup II

Hard

 Minimum Falling Path Sum II

Hard

 Out of Boundary Paths

Medium

 Minimum Falling Path Sum

Medium

▼ Knapsack DP

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<input checked="" type="checkbox"/> Knapsack - 1	Medium
<input checked="" type="checkbox"/> Knapsack - 2	Medium
<input checked="" type="checkbox"/> Ones and Zeroes	Medium
<input type="checkbox"/> Target Sum	Medium
<input type="checkbox"/> 2 Keys Keyboard	Medium
<input type="checkbox"/> Best Team With No Conflicts	Medium
<input type="checkbox"/> Shopping Offers	Medium
<input type="checkbox"/> Minimum Number of Coins for Fruits	Medium
<input type="checkbox"/> Last Stone Weight II	Medium
<input type="checkbox"/> Rod Cutting	Medium
<input type="checkbox"/> Filling Bookcase Shelves	Medium
<input type="checkbox"/> Video Stitching	Medium
<input type="checkbox"/> Maximize Total Cost of Alternating Subarrays	Hard
<input type="checkbox"/> Pizza With 3n Slices	Hard
<input type="checkbox"/> Minimum Swaps To Make Sequences Increasing	Hard
<input type="checkbox"/> Profitable Schemes	Hard
<input type="checkbox"/> Reducing Dishes	Hard
<input type="checkbox"/> Find Number of Ways to Reach the K-th Stair	Hard
<input type="checkbox"/> Find the Sum of Subsequence Powers	Hard
<input type="checkbox"/> Count of Sub-Multisets With Bounded Sum	Hard

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Problem	Difficulty
---------	------------

<input type="checkbox"/> Longest Increasing Subsequence	Medium
---	--------

<input type="checkbox"/> Printing Longest Increasing Subsequence	Medium
--	--------

<input type="checkbox"/> Number of Longest Increasing Subsequence	Medium
---	--------

<input type="checkbox"/> Largest Divisible Subset	Medium
---	--------

<input type="checkbox"/> Longest Unequal Adjacent Groups Subsequence II	Medium
---	--------

<input type="checkbox"/> Max Sum Increasing Subsequence	Medium
---	--------

<input type="checkbox"/> Find the Maximum Length of Valid Subsequence II	Medium
--	--------

<input type="checkbox"/> Wiggle Subsequence	Medium
---	--------

<input type="checkbox"/> Find the Count of Monotonic Pairs I	Hard
--	------

<input type="checkbox"/> Russian Doll Envelopes	Hard
---	------

<input type="checkbox"/> Delete Columns to Make Sorted III	Hard
--	------

<input type="checkbox"/> Minimum Number of Removals to Make Mountain Array	Hard
--	------

<input type="checkbox"/> Maximum Height by Stacking Cuboids	Hard
---	------

<input type="checkbox"/> Maximum Length of Pair Chain	Hard
---	------

<input type="checkbox"/> Make Array Strictly Increasing	Hard
---	------

▼ Longest Common Subsequence

Problem	Difficulty
---------	------------

<input type="checkbox"/> Longest Common Subsequence	Medium
---	--------

<input type="checkbox"/> Print all LCS sequences	Hard
--	------

<input type="checkbox"/> Count Common Subsequence in Two Strings	Theory
--	--------

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- Delete operation for two strings Medium
- Longest Palindromic Substring Medium
- Longest Palindromic Subsequence Medium
- Maximum Length of Repeated Subarray Medium
- Edit Distance Medium
- Interleaving String Medium
- Regular Expression Matching Hard
- Wildcard Matching Hard
- Shortest Common Supersequence Hard
- Minimum Insertion Steps to Make a String Palindrome Hard
- Max Dot Product of Two Subsequences Hard

▼ DP on String

Problem	Difficulty
<input type="checkbox"/> Minimum Substring Partition of Equal Character Frequency	Medium
<input type="checkbox"/> Apply Operations to Make Two Strings Equal	Medium
<input type="checkbox"/> Minimum ASCII Delete Sum for Two Strings	Medium
<input type="checkbox"/> Word Break	Medium
<input type="checkbox"/> Longest String Chain	Medium
<input type="checkbox"/> Unique Substrings in Wraparound String	Medium
<input type="checkbox"/> Longest Valid Parentheses	Hard

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- Distinct Subsequences Hard

- Word Break II Hard

- Sort an Array Hard

- Concatenated Words Hard

- Count Different Palindromic Subsequences Hard

- Distinct Subsequences II Hard

- Longest Chunked Palindrome Decomposition Hard

- String Compression II Hard

- Number of Ways to Form a Target String Given a Dictionary Hard

- Minimum Changes to Make K Semi-palindromes Hard

▼ Cummulative Sum

Problem	Difficulty
<input type="checkbox"/> Maximal Square	Medium
<input type="checkbox"/> Range Sum Query 2D - Immutable	Medium
<input type="checkbox"/> Largest Plus Sign	Medium
<input type="checkbox"/> Largest 1-Bordered Square	Medium
<input type="checkbox"/> Count Square Submatrices with All Ones	Medium
<input type="checkbox"/> Matrix Block Sum	Medium
<input type="checkbox"/> Count Submatrices With All Ones	Medium
<input type="checkbox"/> Ways to Make a Fair Array	Medium

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- Maximal Rectangle Hard
- Max Sum of Rectangle No Larger Than K Hard
- Super Washing Machines Hard
- Maximum Sum of 3 Non-Overlapping Subarrays Hard
- Number of Submatrices That Sum to Target Hard
- Find the Count of Monotonic Pairs II Hard
- Get the Maximum Score Hard

▼ Matrix Chain Multiplication

Problem	Difficulty
<input type="checkbox"/> Matrix Chain Multiplication	Hard
<input type="checkbox"/> Guess Number Higher or Lower II	Medium
<input type="checkbox"/> Predict the Winner	Medium
<input type="checkbox"/> Stone Game	Medium
<input type="checkbox"/> Burst Balloons	Hard
<input type="checkbox"/> Minimum Score Triangulation of Polygon	Medium
<input type="checkbox"/> Minimum Cost Tree From Leaf Values	Medium
<input type="checkbox"/> Partition Array for Maximum Sum	Medium
<input type="checkbox"/> Palindrome Partitioning II	Hard
<input type="checkbox"/> Stone Game VII	Medium
<input type="checkbox"/> Remove Boxes	Hard

<input type="checkbox"/> Strange Printer	Hard
<input type="checkbox"/> Valid Permutations for DI Sequence	Hard
<input type="checkbox"/> Minimum Cost to Merge Stones	Hard
<input type="checkbox"/> Allocate Mailboxes	Hard
<input type="checkbox"/> Minimum Cost to Cut a Stick	Hard
<input type="checkbox"/> Stone Game V	Hard
<input type="checkbox"/> Palindrome Partitioning III	Hard
Kadane Algo	
Problem	
<input type="checkbox"/> Maximum Subarray	Medium
<input type="checkbox"/> Maximum Product Subarray	Medium
<input type="checkbox"/> Bitwise ORs of Subarrays	Medium
<input type="checkbox"/> Longest Turbulent Subarray	Medium
<input type="checkbox"/> Maximum Subarray Sum with One Deletion	Medium
<input type="checkbox"/> K-Concatenation Maximum Sum	Medium
<input type="checkbox"/> Length of Longest Fibonacci Subsequence	Medium
Graphs	
DFS and BFS on Graphs	
Problem	
<input checked="" type="checkbox"/> DFS Traversal	Easy
<input checked="" type="checkbox"/> Find if Path Exists in Graph	Easy

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Keys and Rooms Medium

Number of Provinces Medium

Count the Number of Complete Components Medium

Reorder Routes to Make All Paths Lead to the City Zero Medium

Longest Cycle in a Graph Hard

BFS in Graph Easy

Snakes and Ladders Medium

Open the Lock Medium

Round Trip Medium

Word Ladder Hard

Valid BFS? Hard

Count the Number of Houses at a Certain Distance I Medium

As Far from Land as Possible Medium

Minimum Operations to Convert Number Medium

Minimum Score of a Path Between Two Cities Medium

Shortest Path with Alternating Colors Medium

Minimum Number of Operations to Make X and Y Equal Medium

Shortest Path Visiting All Nodes Hard

Jump Game III Medium

Clone Graph

Medium

 Last Day Where You Can Still Cross

Hard

 Sliding Puzzle

Hard

 Maximum Candies You Can Get from Boxes

Hard

 Shortest Path to Get All Keys

Hard

 Jump Game IV

Hard

 Word Ladder II

Hard

 Escape the Spreading Fire

Hard

▼ Cycle Detection

Problem

Difficulty

 Detect Cycle in an Undirected Graph (GeeksforGeeks)

Medium

 Detect Cycle in a Directed Graph (GeeksforGeeks)

Medium

 Check if a Graph Has a Cycle of Odd Length

Medium

 Detect Cycles in 2D Grid

Medium

 Shortest Cycle in a Graph

Hard

 Is Graph Bipartite?

Medium

 Possible Bipartition

Medium

 Flower Planting With No Adjacent

Medium

 Divide Nodes into the Maximum Number of Groups

Hard

▼ Topological Sort

Course Schedule Medium

Course Schedule II Medium

Find Eventual Safe States Medium

Minimum Height Trees Medium

Loud and Rich Medium

All Ancestors of a Node in a Directed Acyclic Graph Medium

Find All Possible Recipes from Given Supplies Hard

Alien Dictionary Hard

Longest Increasing Path in a Matrix Hard

Cat and Mouse Hard

Sort Items by Groups Respecting Dependencies Hard

Sort Items by Groups Respecting Dependencies Hard

Largest Color Value in a Directed Graph Hard

Parallel Courses III Hard

Parallel Courses II Hard

Number of Increasing Paths in a Grid Hard

Build a Matrix With Conditions Hard

▼ Flood Fill

Problem	Difficulty
---------	------------

Flood Fill Easy

Island Perimeter Easy

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Battleships in a Board Medium

Number of Islands Medium

Max Area of Island Medium

Count Sub Islands Medium

Find All Groups of Farmland Medium

▼ Multi Source BFS

Problem	Difficulty
---------	------------

Rotting Oranges Medium

Number of Enclaves Medium

Map of Highest Peak Medium

Surrounded Regions Medium

Number of Closed Islands Medium

01 Matrix Medium

Shortest Bridge Medium

▼ Dijkstra Algorithm

Problem	Difficulty
---------	------------

Shortest Route I Medium

Dijkstra? Medium

Investigation Medium

Flight Discount Medium

Network Delay Time Medium

Cheapest Flights Within K Stops Medium

Number of Ways to Arrive at Destination Medium

Path with Maximum Probability Medium

Path with Minimum Effort Medium

Number of Restricted Paths from First to Last Node Medium

Reachable Nodes in Subdivided Graph Hard

Minimum Cost to Make at Least One Valid Path in a Grid Hard

Minimum Obstacle Removal to Reach Corner Hard

Shortest Path in Binary Matrix Medium

Nearest Exit from Entrance in Maze Medium

Minimum Cost to Make at Least One Valid Path in a Grid Medium

Second Minimum Time to Reach Destination Hard

▼ Bellman Ford

Problem	Difficulty
---------	------------

High Score Medium

Cycle Finding Medium

Bus Routes Hard

▼ Floyd Warshall

Problem	Difficulty
---------	------------

Road Construction Medium

Course Schedule IV Medium

<input type="checkbox"/> Find the City With the Smallest Number of Neighbors at a Threshold Distance	Medium
<input type="checkbox"/> Count the Number of Houses at a Certain Distance I	Medium
<input type="checkbox"/> Minimum Cost to Convert String I	Medium
<input type="checkbox"/> Greg and Array	Medium
<input type="checkbox"/> Design Graph With Shortest Path Calculator	Hard
<input type="checkbox"/> Number of Possible Sets of Closing Branches	Hard
▼ Travelling Salesman Problem	
Problem	
<input type="checkbox"/> Find the Shortest Superstring	Hard
▼ Disjoint Set Union	
Problem	
<input type="checkbox"/> Redundant Connection	Medium
<input type="checkbox"/> Satisfiability of Equality Equations	Medium
<input type="checkbox"/> Smallest String With Swaps	Medium
<input type="checkbox"/> Accounts Merge	Medium
<input type="checkbox"/> Most Stones Removed with Same Row or Column	Medium
<input type="checkbox"/> Find Latest Group of Size M	Medium
<input type="checkbox"/> Redundant Connection II	Hard
<input type="checkbox"/> Making a Large Island	Hard
<input type="checkbox"/> GCD Sort of an Array	Hard
<input type="checkbox"/> Bricks Falling When Hit	Hard

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Checking Existence of Edge Length Limited Paths

Hard

Remove Max Number of Edges to Keep Graph Fully Traversable

Hard

Rank Transform of a Matrix

Hard

▼ Minimum Spanning Tree

Problem

Difficulty

Prim's Minimum Spanning Tree (MST) – Greedy Algorithm

Theory

Kruskal's Minimum Spanning Tree Algorithm – Greedy Algorithm

Theory

Minimum Spanning Tree

Medium

Min Cost to Connect All Points

Hard

Water Connection Problem

Hard

Connecting Cities with Minimum Cost

Medium

Find Critical and Pseudo-Critical Edges in Minimum Spanning Tree

Hard

Remove Max Number of Edges to Keep Graph Fully Traversable

Hard

▼ Additional Graph Algorithm

Problem

Difficulty

Articulation Points (or Cut Vertices) in a Graph

Theory

Strongly Connected Components

Theory

Critical Connections in a Network

Medium

Combinatorics & Geometry

▼ Line

Problem

Difficulty

Minimum Lines to Represent a Line Chart

Medium

K Closest Points to Origin

Medium

Check If Two Line Segments Intersect

Medium

Max Points on a Line

Hard

Minimize Manhattan Distances

Hard

Self Crossing

Hard

▼ Rectangle

Problem

Difficulty

Rectangle Overlap

Easy

Largest Triangle Area

Easy

Minimum Rectangles to Cover Points

Medium

Rectangle Area

Medium

Minimum Area Rectangle

Medium

Minimum Area Rectangle II

Medium

Mirror Reflection

Medium

Find the Largest Area of Square Inside Two Rectangles

Medium

▼ Circle

Problem

Difficulty

Minimum Cuts to Divide a Circle

Medium

Generate Random Point in a Circle

Medium

Circle and Rectangle Overlapping

Medium

Count Lattice Points Inside a Circle

Medium

 Queries on Number of Points Inside a Circle

Medium

 Maximum Number of Darts Inside of a Circular Dartboard

Hard

▼ Combinatorics

Problem

Difficulty

 Factorial of Large Numbers

Medium

 nCr Mod m

Medium

 Tiles

Medium

 Distribute Candies Among Children II

Medium

 Unique Paths

Medium

 Right Triangles

Medium

 Permutation Sequence

Hard

 Count Anagrams

Hard

 Number of Ways to Reorder Array to Get Same BST

Hard

 Count the Number of Ideal Arrays

Hard

 Count All Valid Pickup and Delivery Options

Hard

 Bitwise OR of All Subsequence Sums

Hard

 Count the Arrays

Hard

 Beautiful Numbers

Hard

 String Mark

Hard

Game Theory

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Problem	Difficulty
---------	------------

- | | |
|---|------|
| <input type="checkbox"/> Divisor Game | Easy |
| <input type="checkbox"/> Nim Game | Easy |
| <input type="checkbox"/> Find the Winning Player in Coin Game | Easy |
| <input type="checkbox"/> Yet Another String Game | Easy |
| <input type="checkbox"/> Substring Removal Game | Easy |
| <input type="checkbox"/> Sasha and Sticks | Easy |
| <input type="checkbox"/> Card Game | Easy |
| <input type="checkbox"/> 01 Game | Easy |
| <input type="checkbox"/> Digit Game | Easy |

▼ Level II

Problem	Difficulty
---------	------------

- | | |
|---|--------|
| <input type="checkbox"/> Can I Win | Medium |
| <input type="checkbox"/> Guess Number Higher or Lower II | Medium |
| <input type="checkbox"/> Maximum Number of Coins You Can Get | Medium |
| <input type="checkbox"/> Remove Colored Pieces if Both Neighbors are the Same Color | Medium |
| <input type="checkbox"/> Digit Game | Medium |
| <input type="checkbox"/> Dinner With Emma | Medium |
| <input type="checkbox"/> Matrix Game | Medium |
| <input type="checkbox"/> Sequential Game | Medium |

Ping-pong Medium

Godsend Medium

PolandBall and Game Medium

Even-Odd Game Medium

Palindrome Game Medium

▼ Level III

Problem	Difficulty
---------	------------

Cat and Mouse Hard

Cat and Mouse II Hard

Guess the Word Hard

Dynamic Programming Level 2

▼ DP with Bitmask

Problem	Difficulty
---------	------------

Can I Win Medium

Partition to K Equal Sum Subsets Medium

Stickers to Spell Word Hard

Smallest Sufficient Team Hard

Maximum Students Taking Exam Hard

Number of Ways to Wear Different Hats to Each Other Hard

Minimum Cost to Connect Two Groups of Points Hard

Maximum Number of Achievable Transfer Requests Hard

Little Elephant and T-Shirts Hard

Distribute Repeating Integers Hard

Maximize Grid Happiness Hard

Find Minimum Time to Finish All Jobs Hard

Minimum Sum of Values by Dividing Array Hard

Shortest Path Visiting All Nodes Hard

Grouping Hard

Matching Hard

▼ Digit DP

Problem	Difficulty
---------	------------

Counting Numbers Hard

Non-negative Integers without Consecutive Ones Hard

Numbers At Most N Given Digit Set Hard

Numbers With Repeated Digits Hard

Number of Digit One Hard

Number of Beautiful Integers in the Range Hard

Count the Number of Powerful Integers Hard

Find All Good Strings Hard

▼ DP on Trees

Problem	Difficulty
---------	------------

House Robber III Medium

Longest ZigZag Path in a Binary Tree

Medium

 Maximum Score After Applying Operations on a Tree

Medium

 Subordinates

Medium

 Tree Matching

Hard

 Maximum Sum BST in Binary Tree

Hard

 Number of Ways to Reorder Array to Get Same BST

Hard

 Maximum Points After Collecting Coins From All Nodes

Hard

 Sum of Distances in Tree

Hard

 Maximum Points After Collecting Coins From All Nodes

Hard

 Count Paths That Can Form a Palindrome in a Tree

Hard

 Find Number of Coins to Place in Tree Nodes

Hard

 Minimize the Total Price of the Trips

Hard

 Tree Distances I

Hard

 Tree Distances II

Hard

 Company Queries I

Hard

 Company Queries II

Hard

 Distance Queries

Hard

 Time Taken to Mark All Nodes

Hard

▼ DP with Math

<input type="checkbox"/> Ugly Number II	Medium
<input type="checkbox"/> Count Sorted Vowel Strings	Medium
<input type="checkbox"/> Race Car	Hard
<input type="checkbox"/> Super Egg Drop	Hard
<input type="checkbox"/> Least Operators to Express Number	Hard
<input type="checkbox"/> Largest Multiple of Three	Hard
<input type="checkbox"/> Kth Smallest Instructions	Hard
<input type="checkbox"/> Number of Sets of K Non-Overlapping Line Segments	Medium
<input type="checkbox"/> Domino and Tromino Tiling	Medium
<input type="checkbox"/> Count Numbers with Unique Digits	Medium
<input type="checkbox"/> Minimum One Bit Operations to Make Integers Zero	Hard
<input type="checkbox"/> Find All Possible Stable Binary Arrays II	Hard
<input type="checkbox"/> Counting Tilings	Hard
Dp with Probability	
Problem	Difficulty
<input type="checkbox"/> Soup Servings	Medium
<input type="checkbox"/> New 21 Game	Medium
<input type="checkbox"/> Airplane Seat Assignment Probability	Medium
<input type="checkbox"/> Knight Probability in Chessboard	Medium
<input type="checkbox"/> Champagne Tower	Medium
<input type="checkbox"/> Sushi	Hard

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Coins

Hard

 Probability of a Two Boxes Having the Same Number of Distinct Balls

Hard

String Matching Algos

▼ Introduction

Problem

Difficulty

 KMP Algorithm for Pattern Searching

Theory

 Rabin-Karp Algorithm for Pattern Searching

Theory

 Z Algorithm (Linear-Time Pattern Searching Algorithm)

Theory

▼ Implementary Problems

Problem

Difficulty

 Count Prefix and Suffix Pairs II

Hard

 Number of Subarrays That Match a Pattern II

Hard

 Minimum Time to Revert Word to Initial State II

Hard

 Find Beautiful Indices in the Given Array II

Hard

 String Transformation

Hard

 Find Substring with Given Hash Value

Hard

 Maximum Deletions on a String

Hard

 Match Substring After Replacement

Hard

 Sum of Scores of Built Strings

Hard

 Find All Good Strings

Hard

 Longest Happy Prefix

Hard

-
- Shortest Palindrome Hard
-
- Distinct Echo Substrings Hard
-
- Longest Chunked Palindrome Decomposition Hard
-
- Maximum Product of the Length of Two Palindromic Substrings Hard
-
- Longest Duplicate Substring Hard

Advance algorithm

▼ Fenwick Tree

Problem	Difficulty
<input type="checkbox"/> Alternating Groups III	Medium
<input type="checkbox"/> Number of Pairs Satisfying Inequality	Hard
<input type="checkbox"/> Count Good Triplets in an Array	Hard
<input type="checkbox"/> Booking Concert Tickets in Groups	Hard

▼ Segment Tree

Problem	Difficulty
<input type="checkbox"/> Longest Uploaded Prefix	Medium
<input type="checkbox"/> Range Sum Query - Mutable	Medium
<input type="checkbox"/> Falling Squares	Hard
<input type="checkbox"/> Range Module	Hard
<input type="checkbox"/> Count of Range Sum	Hard
<input type="checkbox"/> Longest Substring of One Repeating Character	Hard
<input type="checkbox"/> Maximum Sum Queries	Hard

<input type="checkbox"/> Handling Sum Queries After Update	Hard
<input type="checkbox"/> Peaks in Array	Hard
<input type="checkbox"/> Maximum Sum of Subsequence With Non-Adjacent Elements	Hard
<input type="checkbox"/> Block Placement Queries	Hard
Sparse Table	
Problem	Difficulty
<input type="checkbox"/> Range Minimum Query	Hard
<input type="checkbox"/> Catapult that ball	Hard
<input type="checkbox"/> Miraculous	Hard
<input type="checkbox"/> Negative Score	Hard
<input type="checkbox"/> DIFERENCIJA	Hard
<input type="checkbox"/> Find a Value of a Mysterious Function Closest to Target	Hard
<input type="checkbox"/> Maximum Binary Tree	Hard

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