24 May

Next Greater Element on right	Next Greater
Next Greater Element 2	Next Greater 2
Daily Temperatures	Daily Temperatures
Stock Span Problem	Stock Span
maximum difference between left and right smaller	Left Right smaller
Largest Rectangular Area Histogram	Largest Area Histogram
maximu size binary matrix containing 1	maximum size binary matrix
Valid Parentheses	Valid Parentheses
Length of longest valid substring	Valid Parentheses Substring
Count of duplicate Parentheses	Count of Duplicate Parentheses
Minimum Number of bracket reversal	Min Reversal
Minimum Add To make Parentheses Valid	Making Parentheses Valid
Longest Unbalanced Subsequence	

25 May

Asteroid Collision	Asteroid Collision
Backspace String Compare	Compare after deletion
Remove K digits From number	Remove k digits
Gas Station	Gas station
Car fleet	Car fleet
First negative Integer in k sized window	First negative value
Print Binary Number	Binary Number upto n
Maximum sum of smallest and second smallest	max sum smallest and second smallest
K reverse in a queue	K reverse in a queue
Validate Stack	Stack Validation
Min Stack	min stack
ADAPTERS	

Infix,Prefix,Postfix

Remove duplicate letters	Remove duplicate letter

K stacks in a single array	K stacks in a single array
K queue	K queue in a single array
reverse LinkedList	Reverse LinkedList
Find the middle element	middle element
Split circular LinkedList	Split into two parts
Floyd cycle	Detect loop in a linkedlist
Clone a linkedlist	clone
Intersection point of 2 linked list	Intersection point
LRU Cache	LRU Cache

29 May

Inorder Traversal	Inorder traversal
Preorder Traversal	Preorder traversal
Postorder Traversal	Postorder traversal
Binary Tree Level Order	Level Order
All Nodes at distance K	All nodes at K

Binary search tree to greater sum	Greater sum BST
right side view	right view
Left View	Left view
Top View	Top view
Bottom View	Bottom view
Vertical order	vertical order
Diagonal Traversal	diagonal traversal
Boundary Traversal	Boundary traversal

Video

inorder succesor	inorder successor	
Lowest common ancestor in BST	LCA in BST	
Lowest common ancestor	lowest common ancestor	In O(root h)
square root decomposition	sqrt decomposition	
construct bst using postorder	construct bst	

30 May

Binary Tree Cameras	Binary tree camera
Distribute coins in a binary tree	distribute coins
Delete Node in BST	Delete in BST
Construct from inorder and preorder	from in and pre
Construct from inorder and postorder	from in and post
Inorder and level order	Inorder and level order
serialize and deserialise	serialize and deserialize
image multiplication	image multiplication

clone a binary tree with random pointer	clone binary tree
Kth smallest element of BST	Kth smallest in BST
Flatten binary tree to linked list	Flatten binary tree to linked list
Convert a binary tree to circular doubly linked list	Convert to circular DLL
Conversion of sorted DLL to BST	DLL to BST
Merge Two BST	Merge 2 BST

31 May

BFS of graph	bfs-of-graph
Bipartite graph	Bipartite graph
Bus routes	
DFS	DFS
Prim's Algo	Prims algo
Dijkstra algo	Dijkstra

2 June

chef and reversing	chef and reversing
connecting cities with minimum cost	Connecting cities with min cost
optimize water distribution in village	optimize water distribution
evaluate division	
topological sorting	topological sorting
Kahn's algo	Kahn's algo
course schedule 2	course schedule 2

3 June

Strongly Connected Components (Kosaraju's Algo)	
Mother Vertex	mother-vertex
Rotting Oranges	rotten-oranges
bellman ford	Bellman ford
Number of Islands	number-of-islands
Number of Enclaves	number-of-enclaves
0-1 matrix	01-matrix

4 June

DSU

Number of Islands II	number-of-islands-ii
Regions Cut By Slashes	regions-cut-by-slashes

5 June 2020

Most Stones Removed with Same Row or Column	most-stones-removed-with-same-row-or-column
Satisfiability of Equality Equations	consistent-equations
Kruskal's algo	MST
Job Sequencing	Job sequencing
Word Ladder	word-ladder
Number of Distinct Islands	number-of-distinct-islands
Eulerian Path in an Undirected Graph	euler-circuit-in-an-undirected-graph

Problem	Tag/Description	Col3	Col4
Euler Circuit in a Directed Graph	euler-circuit-in-a-directed-graph		

6 June

Problem	Tag/Description	Col3	Col4
Redundant Connection	redundant-connection		
Redundant connection 2	redundant-connection 2		
Sentence Similarity II	sentence-similarity		
Sort item by group accord to dependencies	dependency sort	topological sorting	
As far from land as possible	As far from land as possible		
Possible Bipartition	possible-bipartition		
Shortest bridge			

Video

Problem	Tag/Description	Col3	Col4
Floyd Warshall	floyd-warshall		
Johnson's algorithm			
Similar String Groups			
Coloring A Border	coloring-a-border	DFS	
Walls and gates			

10 June

Problem	Tag/Description	Col3	Col4
K-Similar Strings	k-similar-strings		
Sliding Puzzle			
Min swaps required to sort array	Min swaps		
Minimize Malware Spread	minimize-malware-spread		
Articulation point	articulation point and bridges		

11 June

Problem	Tag/Description	Col3	Col4
Doctor Strange	doctor-strange		
Castle RUN	castle-run		
Reconstruct Itinerary	reconstruct-journey		
Find the Maximum Flow	Ford fulkerson and Edmond's karp		
Maximum Bipartite Matching	maximum-bipartite-matching		

13 June

Problem	Tag/Description	Col3	Col4
Rabbits in forest	Rabbits in a forest		
Longest consecutive 1's	longest consecutive 1's		
number of subarrays sum exactly k	number of subarrays with sum exactly k		
Subarray sum Divisible by k	Sum divisible by k		
K closest point from origin	K closest point from origin		
subarray with equal number of 0 and 1	subarray with equal zero and one		
Substring with equal 0 1 and 2	substring with equal 0 1 2		

14 June2020

Problem	Tag/Description	Col3	Col4
Minimum number of refueling spots	minimum number of refueling spot		
Check AP sequence	Check AP sequence		
X of akind in a deck	X of a kind in a deck		
Array of doubled Pair	Array of doubled Pair		
Morning Assembly	morning assembly		
Longest consecutive sequence	Longest consecutive sequence		
Brick wall			
Isomorphic string	Isomorphic string		

15 June

Problem	Tag/Description	Col3	Col4
Grid illumination	Grid illumination		
rearrange character string such that no two are same	rearrange such that no two are same		
Island perimeter	Island perimeter		
max frequency stack	max freq stack		
length of largest subarray with continuous element	length of largest subarray with cont element		
length of largest subarray with cont element 2	length of largest subarray with cont element 2		
Sliding window maximum	sliding window maximum		
trapping rain water	trapping rain water		

17 June

Problem	Tag/Description	Col3	Col4
Trapping Rain Water II	trapping rain water 2		
Line reflection	Line reflection		
Kth smallest element in sorted 2d matrix	kth smallest in 2d matrix		
Kth smallest prime fraction	Kth smallest prime		
bulb switcher	bulb switcher		
Count Pair whose sum is divisible by k	Pair sum divisibility		
Employee Free time	Employee free time		

19 June

Problem	Tag/Description	Col3	Col4
Pairs of coinciding points	Coinciding points		
smallest number whose digit mult to given no.	Smallest no. digit multiply to given number		
same frequency after one removal	Same after one removal		
A simple fraction	A simple fraction		
Find all anagrams in a string	Find all anagram		
Anagram Pallindrome	Anagram pallindrome		
Group anagram	Group angram		
Find smallest size of string containing all char of other	Smallest window string		
smallest subarray with all the occurence of MFE	Smallest subarray with all MFE		

20 June

Problem	Tag/Description	Col3	Col4
K anagram	K anagram		
longest substring with unique character	longest substring with unique character		
Insert Delete GetRandom O(1)	Insert delete GetRand O(1)		
Insert delete get random duplicates allowed	Insert delete GetRand O(1) with duplicates		
Binary heap	Heap construction		
Build heap from array	Build heap from array		
Heap sort	Heap sort		

22 June

Problem	Tag/Description	Col3	Col4
Binary search			
median of two sorted array	median of two sorted array		
capacity to ship within D days	capacity to ship within D days		
split array largest sum	split array largest sum		
koko eating bananas	koko eating bananas		
smallest divisor given a threshold	smallest divisor given a threshold		
Painter's partition problem	painter's partition problem		

23 June

Problem	Tag/Description	Col3	Col4
counting sort	counting sort		
merge sort	merge sort		
count inversions	count inversions		
search in rotated sorted array	search in rotated sorted array		
Kth smallest prime fraction	Kth smallest prime		
Anagram mapping	Anagram mapping		

25 June 2020

Problem	Tag/Description	Col3	Col4
climbing stairs	Climbing Stairs		
Jump game 2	jump game 2		
Min cost path	min cost path		
max size subsquare with all 1			
0-1 Knapsack	0-1 Knapsack		
fractional knapsack	fractional knapsack		

27 June

Problem	Tag/Description	Col3	Col4
longest increasing subsequence	LIS(n^2)		
longest increasing subsequence	LIS(nLogn)		
building bridges	Building bridges		
Russian doll envelopes	Envelope stacking		

Box stacking	Stacking
minimum number of increasing subsequence	min number of inc subseq
max sum alternating subsequence	max sum alternating subseq

28 June

best time to buy and sell stock	best time to buy and sell
best time to buy and sell 2	best time to buy and sell 2
best time to buy and sell with cool down	cooldown
buy and sell with transaction time	transaction time
best time to buy and sell 3	best time to buy and sell 3
best time to but and sell 4	best time to buy and sell 4

30 June

Paint fence	Paint fence
Paint house	Paint house
Paint house 2	Paint house 2
No. of binary string without consecutive 1	Without cons 1
Possible ways to construct the building	
Catalan number	
Total no. of bst	Total bst

2 July

burst balloons	Burst balloons
Minimum score triangulation	Min score triangulation

3 July

boolean parenthesization	boolean parenthesization
Min and max val of expression	Min and max
Ugly number	ugly number
Super ugly number	Super ugly number
Friends pairing problem	Friends pairing problem

5 July

No min No max	NMNMX	
Euclidean algorithm	Euclidean algorithm	
Extended Euclidean algorithm	Extended euclidean algorithm	
Linear diaophantine equation	Linear diaophantine equation	
Fermat's little theorem	Fermat's little theorem	
MMI		
Boring factorials		Wilson's theorem
Euler's totient function	Euler's totient function	
Divisors upto n		

7 July

Cherry pickup	Cherry pickup
Longest common subsequence	LCS
LCS triplet	LCS triplet
Longest pallindromic subsequence	LPS

12 July

2 egg 100 floor	
egg drop	
Edit distance	Edit distance
2 keys keyboard	2 keys keyboard

17 July

Count all pallindromic subsequence	
Count distinct pallindromic subsequence	
No. of sequence of type a^i+b^j+c^k	
Edit distance	Edit distance
Highway billboard problem	billboard
Frog jump	Frog jump
Wildcard pattern matching	Wildcard

Text processing

KMP	KMP
Shortest Palindrome	shortest-palindrome
Z algo	Z algo
chef and secret password	Chef and secret password
Manacher's algo	Manacher's algo

20 July

Tri tiling	tri tiling
Scramble string	Scramble string
Coin change	
Coin change 2	
Unbounded knapsack	Unbounded knap

21 July

Long Pressed Name	long-pressed-name
Range Addition	range-addition
Max range query	
Rotate Array	rotate-array
Orderly Queue	orderly-queue
Container With Most Water	container-with-most-water
Squares of a sorted array	

22 July

Next Greater Element III	next-greater-element-version3
majority element	majority element
majority element 2	majority element 2
majority element general	majority element general
Max chunks to make sorted	max chunks to make sorted
Max Chunks To Make Sorted II	max-chunks-to-make-sorted-ii
Product of Array Except Self	product-of-array-except-self
Min Jump required with +i or -i allowed	min jump
max product of 3 numbers	max product of three numbers
largest number atleast twice of others	largest atleast twice

23 July

maximum subarray	kadanes-algo
K-CON	K-con
Fast Exponentiation	
Fibonacci Number	fibonacci-number
best meeting points	best meeting point
Segregate 0 and 1	Segregate 0 and 1
Segregate 0-1-2	Segregate 0,1,2
Sort Array By Parity	sort-array-by-parity
number of subarrays with bounded maximum	number with bounded max

Game theory

5 Pirates and 100 coins	
Nim game	Nim game
Buddy nim	Buddy nim

26 July

Sieve of Eratosthenes	Sieve
Segmented sieve	segmented sieve
Maximum Swap	maximum-swap
Two Sum	two sum
Two Difference	two difference
Boats to Save People	save-people-using-boat
partition labels	partition labels
Min No. of Platform	min no. of platform
minimum domino rotation for equal row	min rotation

28 July

consecutive number sum	consecutive number sum
wiggle sort	wiggle sort
rotate image	rotate image
multiply strings	multiply strings
push dominoes	Push dominoes
Reverse vowels of a string	reverse vowels of a string
partition array into disjoint intervals	partition array into disjoint
pascal triangle 2	pascal triangle 2
Max Consecutive Ones II	max-consecutive-ones-ii
max consecutive ones 3	max consecutive ones 3
maximize distance to closest person	max distance to closest

30 July 2020

smallest range from k lists	smallest from k lists
maximum product subarray	max product subarray
valid pallindrome 2	valid pallindrome 2
First missing positive	first missing positive
max sum of two non overlapping subarrays	max sum of two non overlapping
global and local inversions	global and local

DP Practice

Domino and tromino tiling	Tilling
Regular expression matching	Regular expression matching
Max sum with no 2 adjacent element	max sum
Pizza with 3n slices	pizza with 3n slices
Partition of sets into k subsets	Partition into k subsets
Can i win	Game strategy
Knight probability	probability of knight in a chessboard
Temple offering	Temple offering
Find water in glass	Find water in glass
Maximum sum of 3 non overlapping subarrays	max sum
Remove min element according to constraint	min removal
String is k pallindromic or not	String is k pallindromic or not
Shortest uncommon subsequence	Shortest uncommon subseq
minimal moves to form a string	minimal moves to form a string

31 July

Next Greater Element on right	Next Greater
Next Greater Element 2	Next Greater 2
Daily Temperatures	Daily Temperatures
Stock Span Problem	Stock Span
maximum difference between left and right smaller	Left Right smaller
Largest Rectangular Area Histogram	Largest Area Histogram
maximu size binary matrix containing 1	maximum size binary matrix
Asteroid Collision	Asteroid Collision

2 Aug

Backspace String Compare	Compare after deletion
Valid Parentheses	Valid Parentheses
Length of longest valid substring	Valid Parentheses Substring
Minimum Number of bracket reversal	Min Reversal
Minimum Add To make Parentheses Valid	Making Parentheses Valid
Longest Unbalanced Subsequence	
Count of duplicate Parentheses	Count of Duplicate Parentheses
Remove K digits From number	Remove k digits
First negative Integer in k sized window	First negative value
Maximum sum of smallest and second smallest	max sum smallest and second smallest
Gas Station	Gas station
Print Binary Number	Binary Number upto n
K reverse in a queue	K reverse in a queue
Validate Stack	Stack Validation

5 August

Min Stack	min stack
max frequency stack	max freq stack

6 August 2020

K stacks in a single array	K stacks in a single array
K queue	K queue in a single array
Car fleet	Car fleet
ADAPTERS	

7 Aug

Infix_Prefix_Postfix	
CPU Task Scheduler	Task Scheduler
Remove duplicate letters	Remove duplicate letter

8 Aug

reverse LinkedList	Reverse LinkedList
Find the middle element	middle element
Floyd cycle	Detect loop in a linkedlist
Clone a linkedlist	clone
Split circular LinkedList	Split into two parts
Intersection point of 2 linked list	Intersection point
LRU Cache	LRU Cache

9 Aug

Inorder Traversal	inorder traversal(morris)
Preorder Traversal	Preorder traversal(morris)
Postorder Traversal	Postorder traversal(morris)
Binary search tree to greater sum	Greater sum BST
Binary Tree Level Order	Level Order
inorder successor	inorder successor
image multiplication	image multiplication
Distribute coins in a binary tree	distribute coins
Max path sum	

11 Aug

right side view	right view
Left View	Left view
Top View	Top view
Bottom View	Bottom view
Vertical order	vertical order
Diagonal Traversal	diagonal traversal
Boundary Traversal	Boundary traversal
Delete Node in BST	Delete in BST
Binary Tree Cameras	Binary tree camera

12 Aug

serialize and deserialise	serialize and deserialize

Lowest common ancestor in BST	LCA in BST	
Lowest common ancestor	lowest common ancestor	In O(root h)
square root decomposition	sqrt decomposition	

13 Aug

Construct from inorder and preorder	from in and pre
Construct from inorder and postorder	from in and post
Inorder and level order	Inorder and level order
clone a binary tree with random pointer	clone binary tree
Kth smallest element of BST	Kth smallest in BST
Flatten binary tree to linked list	Flatten binary tree to linked list

16 Aug

Convert a binary tree to circular doubly linked list	Convert to circular DLL
Conversion of sorted DLL to BST	DLL to BST
Merge Two BST	Merge 2 BST
Max path sum	Max path sum
Recover binary search tree	recover binary search tree
isBstPreorder	preorder isBst
BST from Postorder	Bst from postorder
Construct from pre and post	Pre and Post

18 Aug

Binary tree coloring game	Colring game
reverse level order	reverse level order
delete leaves with a given val	leaves with a given val
Next right pointer in each node	Next right pointer in each node
Max product splitted binary tree	Max product splitted binary tree
Longest zigzag path in binary tree	zigzag in a binary tree
Sum root to leaf numbers	sum root to leaf numbers
Sum of distances in tree	sum of distances in tree

20 Aug

Path sum 3	Path sum 3
Fenwick tree	
Segment tree	

21 Aug

BFS of graph	bfs-of-graph
Bipartite graph	Bipartite graph
Bus routes	
DFS	DFS
Prim's Algo	Prims algo
Dijkstra algo	Dijkstra
chef and reversing	chef and reversing

23 Aug

connecting cities with minimum cost	Connecting cities with min cost	
optimize water distribution in village	optimize water distribution	
evaluate division		
topological sorting	topological sorting	
Kahn's algo	Kahn's algo	
course schedule 2	course schedule 2	
Number of Enclaves	number-of-enclaves	
0-1 matrix	01-matrix	
Strongly Connected Components (Kosaraju's Algo)		
Mother Vertex	mother-vertex	

24 Aug

Number of islands	number-of-islands
Rotting Oranges	rotten-oranges
A walk to remember	
bellman ford	Bellman ford
Word Ladder	word-ladder
Sliding Puzzle	
Number of Distinct Islands	number-of-distinct-islands

27 Aug

DSU	
DFS vs DSU	
Number of Islands II	number-of-islands-ii
Regions Cut By Slashes	regions-cut-by-slashes
Sentence Similarity II	sentence-similarity

28 Aug

Satisfiability of Equality Equations	consistent-equations
Kruskal's algo	MST
Job Sequencing	Job sequencing
Eulerian Path in an Undirected Graph	euler-circuit-in-an-undirected-graph
Euler Circuit in a Directed Graph	euler-circuit-in-a-directed-graph
Redundant Connection	redundant-connection
Redundant connection 2	redundant-connection 2

30 Aug

K-Similar Strings	k-similar-strings
Sort item by group accord to dependencies	dependency sort
Articulation point	articulation point
Doctor Strange	doctor-strange
Castle RUN	castle-run
Similar String Groups	
As far from land as possible	As far from land as possible
Shortest bridge	

31 August 2020

Reconstruct Itinerary	reconstruct-journey
Find the Maximum Flow	Ford fulkerson and Edmond's karp
Maximum Bipartite Matching	maximum-bipartite-matching
Most Stones Removed with Same Row or Column	most-stones-removed-with-same-row-or-column
Floyd Warshall	floyd-warshall
Johnson's algorithm	
Coloring A Border	coloring-a-border
Minimize Malware Spread	minimize-malware-spread

topological sorting (row: Sort item by group accord to dependencies)
DFS (row: Coloring A Border)

2 September

Rabbits in forest	Rabbits in a forest
Longest consecutive 1's	longest consecutive 1's
number of subarrays sum exactly k	number of subarrays with sum exactly k
Subarray sum Divisible by k	Sum divisibe by k
K closest point from origin	K closest point from origin
subarray with equal number of 0 and 1	subarray with equal zero and one
Substring with equal 0 1 and 2	substring with equal 0 1 2

4 September

Minimum number of refueling spots	minimum number of refueling spot
Check AP sequence	Check AP sequence
Morning Assembly	morning assembly
X of akind in a deck	X of a kind in a deck
Brick wall	
Array of doubled Pair	Array of doubled Pair
Isomorphic string	Isomorphic string
Longest consecutive sequence	Longest consecutive sequence
bulb switcher	bulb switcher

6 September

Problem	Description
Grid illumination	Grid illumination
rearrange character string such that no two are same	rearrange such that no two are same
Island perimeter	Island perimeter
length of largest subarray with continuous element	length of largest subarray with cont element
length of largest subarray with cont element 2	length of largest subarray with cont element 2
trapping rain water	trapping rain water
Trapping Rain Water II	trapping rain water 2
smallest number whose digit mult to given no.	Smallest no. digit multiply to given number
same frequency after one removal	Same after one removal

7 September

Problem	Description
Pairs of coinciding points	Coinciding points
Count Pair whose sum is divisible by k	Pair sum divisibility
Employee Free time	Employee free time
A simple fraction	A simple fraction
Find all anagrams in a string	Find all anagram
Anagram Pallindrome	Anagram pallindrome
Find smallest size of string containing all char of other	Smallest window string
smallest subarray with all the occurence of MFE	Smallest subarray with all MFE
K anagram	K anagram

10 September

Problem	Description
Group anagram	Group angram
longest substring with unique character	longest substring with unique character
Mode of frequencies	Mode of frequencies
Insert Delete GetRandom O(1)	Insert delete GetRand O(1)
Insert delete get random duplicates allowed	Insert delete get random O(1) with duplicates
Find Anagram Mapping	Find anagram mapping
Kth smallest element in sorted 2d matrix	kth smallest in 2d matrix
Kth smallest prime fraction	Kth smallest prime
Line reflection	Line reflection

12 September

Problem	Description
Binary heap	Heap construction
Build heap from array	Build heap from array
Heap sort	Heap sort
The skyline Problem	Skyline problem
sum divisible by p	

14 September

Problem	Description
Binary search	
median of two sorted array	median of two sorted array
capacity to ship within D days	capacity to ship within D days
split array largest sum	split array largest sum

16 September

Problem	Description
koko eating bananas	koko eating bananas
smallest divisor given a threshold	smallest divisor given a threshold
Painter's partition problem	painter's partition problem
Kth smallest prime fraction	Kth smallest prime
counting sort	counting sort
merge sort	merge sort
count inversions	count inversions

27 September 2020

Problem	Description
search in rotated sorted array	search in rotated sorted array
Find the minimum in rotated sorted array	

28 September

Problem	Description
longest increasing subsequence	LIS(n^2)
longest increasing subsequence	LIS(nLogn)
building bridges	Building bridges
Russian doll envelopes	Envelope stacking
Box stacking	Stacking
minimum number of increasing subsequence	min number of inc subseq
max sum alternating subsequence	max sum alternating subseq
weighted Job scheduling	weighted job scheduling

1 October

Problem	Description
best time to buy and sell stock	best time to buy and sell
best time to buy and sell 2	best time to buy and sell 2
best time to buy and sell with cool down	cooldown
buy and sell with transaction time	transaction time
best time to buy and sell 3	best time to buy and sell 3
best time to but and sell 4	best time to buy and sell 4

3 October 2020

Problem	Description
Paint fence	Paint fence
Paint house	Paint house
Paint house 2	Paint house 2
No. of binary string without consecutive 1	Without cons 1
Possible ways to construct the building	
Jump game 2	
Catalan number	
Total no. of bst	Total bst
Applications of Catalan numbers	

5 October 2020

Problem	Description
Number of valid parentheses	Number of valid parentheses
2 keys keyboard	2 keys keyboard
burst balloons	Burst balloons
boolean parenthesization	boolean parenthesization

7 October 2020

Problem	Description
Min and max val of expression	Min and max
Minimum score triangulation	Min score triangulation
Matrix chain multiplication	MCM (HW)
Ugly number	ugly number
Super ugly number	Super ugly number
Binomial coefficient	binomial coefficient
Friends pairing problem	Friends pairing problem

9 October 2020

Problem	Description
2 egg 100 floor	
egg drop	

13 October 2020

Problem	Description
Highway billboard problem	billboard
No. of sequence of type a^i+b^j+c^k	seq of given type
Frog jump	Frog jump
Min cost path	min cost path
Cherry pickup	Cherry pickup
Monty hall	Puzzle

15 October

Problem	Description
Longest common subsequence	LCS
LCS triplet	LCS triplet
Longest pallindromic subsequence	LPS
Count all pallindromic subsequence	
Scramble string	Scramble string

17 October

Problem	Description
Count distinct pallindromic subsequence	
Shortest common superseq	
Wildcard pattern matching	Wildcard

Problem	Description
Edit distance	Edit distance
0-1 Knapsack	0-1 Knapsack
fractional knapsack	fractional knapsack
max size subsquare with all 1	

DP Practice	
Domino and tromino tilling	Tilling
Regular expression matching	Regular expression matching
Max sum with no 2 adjacent element	max sum
Pizza with 3n slices	pizza with 3n slices
Partition of sets into k subsets	Partition into k subsets
Can i win	Game strategy
Knight probability	probability of knight in a chessboard
Temple offering	Temple offering
Find water in glass	Find water in glass
Maximum sum of 3 non overlapping subarrays	max sum
Remove min element according to constraint	min removal
String is k palindromic or not	String is k palindromic or not
Shortest uncommon subsequence	Shortest uncommon subseq
minimal moves to form a string	minimal moves to form a string

19 October	
Euclidean algorithm	Euclidean algorithm
Extended Euclidean algorithm	Extended euclidean algorithm
Linear diaophantine equation	Linear diaophantine equation
Fermat's little theorem	Fermat's little theorem
No min No max	NMNMX
MMI	
Boring factorials	Wilson's theorem
Euler's totient function	Euler's totient function
Divisors upto n	

Text processing(21 October)	
KMP	KMP
Shortest Palindrome	shortest-palindrome
Z algo	Z algo
chef and secret password	Chef and secret password
Manacher's algo	Manacher's algo

23 October	
Long Pressed Name	long-pressed-name
Range Addition	range-addition
Max range query	
Rotate Array	rotate-array
Orderly Queue	orderly-queue
Container With Most Water	container-with-most-water

27 October	
Next Greater Element III	next-greater-element-version3
Squares of a sorted array	
majority element	majority element
majority element 2	majority element 2
majority element general	majority element general
Max chunks to make sorted	max chunks to make sorted
Max Chunks To Make Sorted II	max-chunks-to-make-sorted-ii
max product of 3 numbers	max product of three numbers
largest number atleast twice of others	largest number atleast twice
Product of Array Except Self	product-of-array-except-self

29 October	
maximum subarray	kadanes-algo
K-CON	K-con
Segregate 0 and 1	Segregate 0 and 1
Segregate 0-1-2	Segregate 0,1,2
Sort Array By Parity	sort-array-by-parity
best meeting points	best meeting point
number of subarrays with bounded maximum	number with bounded max
Fast Exponentiation	

31 October	
Fibonacci Number	fibonacci-number
Sieve of Eratosthenes	Sieve
Segmented sieve	segmented sieve
Maximum Swap	maximum-swap
partition labels	partition labels
partition labels	partition labels
Two Sum	two sum
Two Difference	two difference
Boats to Save People	save-people-using-boat

2 Nov	
Min No. of Platform	min no. of platform
minimum domino rotation for equal row	min rotation
consecutive number sum	consecutive number sum
wiggle sort	wiggle sort	https://leetcode.com/problems/wiggle-sort/
rotate image	rotate image
multiply strings	multiply strings
Reverse vowels of a string	reverse vowels of a string
Min Jump required with +i or -i allowed	min jump

4 Nov	
smallest range from k lists	smallest from k lists
push dominoes	Push dominoes
maximum product subarray	max product subarray
First missing positive	first missing positive
valid palindrome 2	valid palindrome 2
max sum of two non overlapping subarrays	max sum of two non overlapping
Sum of subsequence width	

6 Nov	
Next Greater Element on right	Next Greater
Next Greater Element 2	Next Greater 2
Daily Temperatures	Daily Temperatures
Stock Span Problem	Stock Span
maximum difference between left and right smaller	Left Right smaller
Largest Rectangular Area Histogram	Largest Area Histogram
maximu size binary matrix containing 1	maximum size binary matrix
Asteroid Collision	Asteroid Collision

8 Nov	
Backspace String Compare	Compare after deletion
Valid Parentheses	Valid Parentheses
Length of longest valid substring	Valid Parentheses Substring
Minimum Number of bracket reversal	Min Reversal
Minimum Add To make Parentheses Valid	Making Parentheses Valid
Longest Unbalanced Subsequence	
Count of duplicate Parentheses	Count of Duplicate Parentheses	Self
Remove K digits From number	Remove k digits
Remove duplicate letters	Remove duplicate letter
First negative Integer in k sized window	First negative value
Maximum sum of smallest and second smallest	max sum smallest and second smallest
K reverse in a queue	K reverse in a queue

10 Nov	
Gas Station	Gas station
Print Binary Number	Binary Number upto n
max frequency stack	max freq stack

Topic	Description		
Min Stack	min stack		
Validate Stack	Stack Validation		
Car fleet	Car fleet		
13 Nov			
K stacks in a single array	K stacks in a single array		
K queue	K queue in a single array		
ADAPTERS			
https://leetcode.com/problems/sum-of-subarray-minimums/			
16 Nov			
reverse LinkedList	Reverse LinkedList		
Find the middle element	middle element		
Floyd cycle	Detect loop in a linkedlist		
Clone a linkedlist	clone		
Split circular LinkedList	Split into two parts		
Intersection point of 2 linked list	Intersection point		
LRU Cache	LRU Cache		
18 Nov			
Inorder Traversal	Inorder traversal		
Preorder Traversal	Preorder traversal		
Postorder Traversal	Postorder traversal		
Binary Tree Level Order	Level Order		
Binary search tree to greater sum	Greater sum BST		
Next right pointer in each node	Next right pointer in each node		
Max path sum			
Sum of distances in tree	sum of distances in tree		
22 Nov			
right side view	right view		
Left View	Left view		
Top View	Top view		
Bottom View	Bottom view		
Vertical order	vertical order		
Diagonal Traversal	diagonal traversal		
Boundary Traversal	Boundary traversal		
24 Nov			
Construct from inorder and preorder	from in and pre		
Construct from inorder and postorder	from in and post		
Inorder and level order	Inorder and level order		
Kth smallest element of BST	Kth smallest in BST		
clone a binary tree with random pointer	clone binary tree		
Delete node in bst			
Binary tree coloring game	Colring game		
reverse level order	reverse level order		
Max product splitted binary tree	Max product splitted binary tree		
Lowest common ancestor in BST	LCA in BST		
26 Nov			
Lowest common ancestor	lowest common ancestor	In O(root h)	
square root decomposition	sqrt decomposition		
Flatten binary tree to linked list	Flatten binary tree to linked list		
Convert a binary tree to circular doubly linked list	Convert to circular DLL		
29 Nov			
Conversion of sorted DLL to BST	DLL to BST		
Merge Two BST	Merge 2 BST		
Recover binary search tree	recover binary search tree		
Longest zigzag path in binary tree	zigzag in a binary tree		
Fenwick tree	Fenwick tree		
1 Dec			
isBstPreorder	preorder isBst		
BST from Postorder	Bst from postorder		
Construct from pre and post	Pre and Post (HW)		
Binary Tree Cameras	Binary tree camera		
Distribute coins in a binary tree	distribute coins		
inorder succesor	inorder successor		
image multiplication	image multiplication		
Univalue subtrees	Univalue subtrees(HW)		
Segment tree			
5 Dec			
BFS of graph	bfs-of-graph		
Bipartite graph	Bipartite graph		
Bus routes			
Prim's Algo	Prims algo		
Dijkstra algo	Dijkstra		
chef and reversing	chef and reversing		
7 Dec			
optimize water distribution in village	optimize water distribution		
connecting cities with minimum cost	Connecting cities with min cost		
DFS	DFS		
evaluate division			
Strongly Connected Components (Kosaraju's Algo)			
Mother Vertex	mother-vertex		
Number of Enclaves	number-of-enclaves		
0-1 matrix	01-matrix		
12 Dec			
Number of Distinct Islands	number-of-distinct-islands		
Word Ladder	word-ladder		
Sliding Puzzle			
topological sorting	topological sorting		
Kahn's algo	Kahn's algo		
course schedule 2	course schedule 2		
19 Dec			
DSU			
DFS vs DSU			
Sentence Similarity II	sentence-similarity		
Satisfiability of Equality Equations	consistent-equations		
20 December 2020			
Number of Islands II	number-of-islands-ii		
Regions Cut By Slashes	regions-cut-by-slashes		
Minimize Malware Spread	minimize-malware-spread		
Eulerian Path in an Undirected Graph	euler-circuit-in-an-undirected-graph		
Euler Circuit in a Directed Graph	euler-circuit-in-a-directed-graph		
Kruskal's algo	MST		
Redundant Connection	redundant-connection		
24 December			
Redundant connection 2	redundant-connection 2		
Articulation point	articulation point		
Doctor Strange	doctor-strange		
Castle RUN	castle-run		
26 December			
bellman ford	Bellman ford		
Job Sequencing	Job sequencing		
K-Similar Strings	k-similar-strings		
Sort item by group accord to dependencies	dependency sort	topological sorting	

Problem	Notes		
As far from land as possible	As far from land as possible		
Shortest bridge			

27 December

Problem	Notes		
Reconstruct Itinerary	reconstruct-journey		
Find the Maximum Flow	Ford fulkerson and Edmond's karp		
Maximum Bipartite Matching	maximum-bipartite-matching		
Coloring A Border	coloring-a-border	DFS	

2 January

Problem	Notes		
Similar String Groups			
Floyd Warshall	floyd-warshall		
Most Stones Removed with Same Row or Column	most-stones-removed-with-same-row-or-column		
Rotting Oranges	rotten-oranges		
Min swaps required to sort array	Min swaps		
min swaps to make 2 array identical			
Johnson's algorithm			

3 January

Problem	Notes		
number of subarrays sum exactly k	number of subarrays with sum exactly k		
Subarray sum Divisible by k	Sum divisibe by k		
subarray with equal number of 0 and 1	subarray with equal zero and one		
Substring with equal 0 1 and 2	substring with equal 0 1 2		
K closest point from origin	K closest point from origin		
	Rabbits in a forest		
Longest consecutive 1's	longest consecutive 1's		

9 January

Problem	Notes		
Minimum number of refueling spots	minimum number of refueling spot		
Check AP sequence	Check AP sequence		
X of akind in a deck	X of a kind in a deck		
Array of doubled Pair	Array of doubled Pair		
Morning Assembly	morning assembly		
Longest consecutive sequence	Longest consecutive sequence		
Brick wall			
bulb switcher	bulb switcher		
Isomorphic string	Isomorphic string		

10 January

Problem	Notes		
Grid illumination	Grid illumination		
rearrange character string such that no two are same	rearrange such that no two are same		
Island perimeter	Island perimeter		
trapping rain water	trapping rain water		
Trapping Rain Water II	trapping rain water 2		
length of largest subarray with continuous element	length of largest subarray with cont element		
length of largest subarray with cont element 2	length of largest subarray with cont element 2		
smallest number whose digit mult to given no.	Smallest no. digit multiply to given number		
same frequency after one removal	Same after one removal		

13 Jan

Problem	Notes		
Pairs of coinciding points	Coinciding points		
Count Pair whose sum is divisible by k	Pair sum divisibility		
Employee Free time	Employee free time		
A simple fraction	A simple fraction		
Insert Delete GetRandom O(1)	Insert delete GetRand O(1)		
Insert delete get random duplicates allowed	Insert delete GetRand O(1) with duplicates		
Mode of frequencies	Mode of frequencies		
Line reflection	Line reflection		
Find Anagram Mapping	Find anagram mapping		

16 Jan

Problem	Notes		
The skyline Problem	Skyline problem		
Find all anagrams in a string	Find all anagram		
Anagram Pallindrome	Anagram pallindrome		
Find smallest size of string containing all char of other	Smallest window string		
Group anagram	Group anagram		
smallest subarray with all the occurence of MFE	Smallest subarray with all MFE		
K anagram	K anagram		
longest substring with unique character	longest substring with unique character		
Prisoners and 100 hats			
Monty hall			

17 Jan

Problem	Notes		
Kth smallest element in sorted 2d matrix	kth smallest in 2d matrix		
Kth smallest prime fraction	Kth smallest prime		
Binary heap	Heap construction		
Build heap from array	Build heap from array		
Heap sort	Heap sort		

3 Feb

Problem	Notes		
Binary search			
median of two sorted array	median of two sorted array		
capacity to ship within D days	capacity to ship within D days		
koko eating bananas	koko eating bananas		
smallest divisor given a threshold	smallest divisor given a threshold		
Painter's partition problem	painter's partition problem		

6 Feb

Problem	Notes		
split array largest sum	split array largest sum		
Median from data stream	Median from data stream		
Kth smallest prime fraction	Kth smallest prime		
merge two sorted in O(1) space			
counting sort	counting sort		
merge sort	merge sort		
count inversions	count inversions		

7 February 2021

Problem	Notes		
search in rotated sorted array	search in rotated sorted array		
Find the minimum in rotated sorted array	min in rotated		
search in rotated sorted array with duplicacy			
puzzles			
huffman			
https://leetcode.com/problems/max-value-of-equation/			

10 February

Problem	Notes		
longest increasing subsequence	LIS(n^2)		
longest increasing subsequence	LIS(nLogn)		
building bridges	Building bridges		
Russian doll envelopes	Envelope stacking		
Box stacking	Stacking		
minimum number of increasing subsequence	min number of inc subseq		
weighted Job scheduling	weighted job scheduling		
https://leetcode.com/problems/online-majority-element-in-subarray/			

16 February

Problem	Notes		
best time to buy and sell stock	best time to buy and sell		
best time to buy and sell 2	best time to buy and sell 2		
buy and sell with transaction time	transaction time		
best time to buy and sell with cool down	cooldown		
best time to buy and sell 3	best time to buy and sell 3		
best time to but and sell 4	best time to buy and sell 4		

17 February

Problem	Notes		
Paint fence	Paint fence		
Paint house	Paint house		
Paint house 2	Paint house 2		
No. of binary string without consecutive 1	Without cons 1		
Possible ways to construct the building			
Jump game 2			
Catalan number			

Total no. of bst	Total bst
Number of valid parentheses	Number of valid parentheses
Applications of Catalan numbers	
2 keys keyboard	2 keys keyboard

20 February

burst balloons	Burst balloons
boolean parenthesization	boolean parenthesization
Min and max val of expression	Min and max
Matrix chain multiplication	MCM (HW)
Binomial coefficient	binomial coefficient
Highway billboard problem	billboard
No. of sequence of type a^i+b^j+c^k	seq of given type
Minimum score triangulation	Min score triangulation

21 Feb

2 egg 100 floor	
egg drop	
Optimal strategy for a game	(HW)
Min cost path	min cost path
Cherry pickup	Cherry pickup

24 Feb

Euclidean algorithm	Euclidean algorithm	
Extended Euclidean algorithm	Extended euclidean algorithm	
Linear diaophantine equation	Linear diaophantine equation	
Fermat's little theorem	Fermat's little theorem	
No min No max	NMNMX	
MMI		
Boring factorials		Wilson's theorem
Euler's totient function	Euler's totient function	

27 Feb

Longest common subsequence	LCS
LCS triplet	LCS triplet
Longest palindromic subsequence	LPS
Count all palindromic subsequence	
Count distinct palindromic subsequence	

28 Feb

Perfect squares	
COunt of distinct subsequences	
Distinct subsequence	(HW)
Edit distance	Edit distance
arithmetic slices	
max size subsquare with all 1	
Palindromic substrings	

6th March

Optimal BST	
Regular Expression Matching	
Wildcard pattern matching	Wildcard(HW)
Palindrome partitioning	
Longest Bitonic subsequence	
Longest repeating subsequence	?
Knights probability in chessboard	
Word break problem	

7 March

Max sum subarray with atleast k elements	
Shortest common superseq	
Scramble string	Scramble string
Minimum score triangulation	Min score triangulation
Longest common substring	
Word wrap	(HW)
ugly numbers	
super ugly number	

11 March

Long Pressed Name	long-pressed-name
Range Addition	range-addition
Max range query	
Orderly Queue	orderly-queue
Container With Most Water	container-with-most-water

13 March

Squares of a sorted array	
Rotate Array	rotate-array
Relatively prime	
Napoleon cake	
Next Greater Element III	next-greater-element-version3
majority element	majority element
majority element 2	majority element 2
majority element general	majority element general
Max chunks to make sorted	max chunks to make sorted
Max Chunks To Make Sorted II	max-chunks-to-make-sorted-ii
max product of 3 numbers	max product of three numbers
largest number atleast twice of others	largest atleast twice
Product of Array Except Self	product-of-array-except-self

14 March

number of subarrays with bounded maximum	number with bounded max
maximum subarray	kadanes-algo
K-CON	K-CON
best meeting points	best meeting point
Segregate 0 and 1	Segregate 0 and 1
Segregate 0-1-2	Segregate 0,1,2
Sort Array By Parity	sort-array-by-parity
partition labels	partition labels

18 March

Maximization	Codeforces
K_LCM 1	Codeforces
K_LCM 2	Codeforces
consecutive number sum	consecutive number sum
Fast Exponentiation	
Fibonacci Number	fibonacci-number(hw)
Sieve of Eratosthenes	Sieve
Segmented sieve	segmented sieve
wiggle sort	wiggle sort
Min Jump required with +i or -i allowed	min jump
Maximum Swap	maximum-swap

wiggle sort → https://leetcode.com/problems/wiggle-sort/

20 March

minimum domino rotation for equal row	min rotation
multiply strings	multiply strings
Two Sum	two sum
Two Difference	two difference
Boats to Save People	save-people-using-boat(HW)
smallest range from k lists	smallest from k lists
maximum product subarray	max product subarray
Min No. of Platform	min no. of platform
Reverse vowels of a string	reverse vowels of a string(HW)

21 March

First missing positive	first missing positive
rotate image	rotate image
push dominoes	Push dominoes
valid palindrome 2	valid palindrome 2(HW)

Problem	Description	Link
Sum of subsequence width	sum of subsequence widhts	
maximise distance to closest person	max distance	
Buddy nim	Buddy nim	
Bulb switcher 3	bulb switcher	
interesting subarrays	interesting subarrays(HW)	
Sort the array	(HW)	
max sum of two non overlapping subarrays	max sum of two non overlapping	
1st April		
Next Greater Element on right	Next Greater	
Next Greater Element 2	Next Greater 2	
Daily Temperatures	Daily Temperatures	
Stock Span Problem	Stock Span	
maximum difference between left and right smaller	Left Right smaller	
Largest Rectangular Area Histogram	Largest Area Histogram	
maximu size binary matrix containing 1	maximum size binary matrix	
Asteroid Collision	Asteroid Collision	
3rd April		
Valid Parentheses	Valid Parentheses	
Length of longest valid substring	Valid Parentheses Substring	
Count of duplicate Parentheses	Count Of Duplicate Parentheses(HW)	
Minimum Number of bracket reversal	Min Reversal	
Minimum Add To make Parentheses Valid	Making Parentheses Valid	
Remove K digits From number	Remove k digits	
Longest Unbalanced Subsequence		
First negative Integer in k sized window	First negative value	
Maximum sum of smallest and second smallest	max sum smallest and second smallest	
K reverse in a queue	K reverse in a queue(HW)	
K stacks in a single array	K stacks in a single array	
4th April		
K queue	K queue in a single array	
Gas Station	Gas station	
Print Binary Number	Binary Number upto n	
Remove duplicate letters	Remove duplicate letter	
Backspace String Compare	Compare after deletion	
Car fleet	Car fleet (HW)	
Validate Stack	Stack Validation	
8th April		
max frequency stack	max freq stack	
Min Stack	min stack	
ADAPTERS		
Min cost tree from leaf values		
Infix,Prefix,Postfix		
11 April		
reverse LinkedList	Reverse LinkedList	
Find the middle element	middle element	
Floyd cycle	Detect loop in a linkedlist	
Clone a linkedlist	clone	
Split circular linkedlist	Split into two parts(Hw)	
Intersection point of 2 linked list	Intersection point	
LRU Cache	LRU Cache	
15 April		
Inorder Traversal	Inorder traversal	
Preorder Traversal	Preorder traversal	
Postorder Traversal	Postorder traversal	
Binary Tree Level Order	Level Order	
Binary search tree to greater sum	Greater sum BST	
Next right pointer in each node	Next right pointer in each node	
Sum of distances in tree	sum of distances in tree	
1st May		
right side view	right view	
Left View	Left view	
Top View	Top view	
Bottom View	Bottom view	
reverse level order	reverse level order	
Vertical order	vertical order	
Diagonal Traversal	diagonal traversal	
Boundary Traversal	Boundary traversal	
Binary tree coloring game	Coloring game	
2nd May		
image multiplication	image multiplication	
inorder successor	inorder successor	https://www.lintcode.com/problem/inorder-successor-in-bst/
Max product splitted binary tree	Max product splitted binary tree	
Lowest common ancestor in BST	LCA in BST	
Lowest common ancestor	lowest common ancestor	In O(root h)
6 May		
Distribute coins in a binary tree	distribute coins	
Binary Tree Cameras	Binary tree camera	
Max path sum		
Recover binary search tree	recover binary search tree	
Flatten binary tree to linked list	Flatten binary tree to linked list	
Convert a binary tree to circular doubly linked list	Convert to circular DLL	
8 May 2021		
Conversion of sorted DLL to BST	DLL to BST	
Merge Two BST	Merge 2 BST	
clone a binary tree with random pointer	clone binary tree	
Delete node in bst		
Construct from inorder and preorder	from in and pre	
Construct from inorder and postorder	from in and post	
9 May		
Inorder and level order	Inorder and level order	
isBstPreorder	preorder isBst	
BST from Postorder	Bst from postorder	
BST from preorder	BST from preorder	
Construct from pre and post	Pre and Post (HW)	
serialize and deserialise	serialize and deserialize	
Fenwick tree	Fenwick tree	
Longest zigzag path in binary tree	zigzag in a binary tree	
13 May		
Count complete tree node	count complete tree node	
closest binary search tree	closest binary search tree	
Closest binary search tree value 2	closest binary search tree 2	
Sum root to leaf	sum root to leaf	
LCA in O(root h)		
Segment tree		
15th May		
BFS of graph	bfs-of-graph	
Bipartite graph	Bipartite graph	
Bus routes		
Prim's Algo	Prims algo	
connecting cities with minimum cost	Connecting cities with min cost	
Dijkstra algo	Dijkstra	

	16th May			
chef and reversing	chef and reversing			
optimize water distribution in village	optimize water distribution			
DFS	DFS			
evaluate division				
Strongly Connected Components (Kosaraju's Algo)				
Mother Vertex	mother-vertex			
Number of Enclaves	number-of-enclaves			
0-1 matrix	01-matrix			
Number of Islands	number-of-islands			
Number of Distinct Islands	number-of-distinct-islands			
	20th May			
Word Ladder	word-ladder			
Shortest bridge				
As far from land as possible	As far from land as possible			
Sliding Puzzle				
bellman ford	Bellman ford			
	22 May			
Coloring A Border	coloring-a-border	DFS		
Rotting Oranges	rotten-oranges			
topological sorting	topological sorting			
Kahn's algo	Kahn's algo			
course schedule 2	course schedule 2			
Articulation point	articulation point			
Doctor Strange	doctor-strange			
Eulerian Path in an Undirected Graph	euler-circuit-in-an-undirected-graph			
Euler Circuit in a Directed Graph	euler-circuit-in-a-directed-graph			
	23 May 2021			
DSU				
DFS vs DSU				
Number of Islands II	number-of-islands-ii			
Regions Cut By Slashes	regions-cut-by-slashes			
Sentence Similarity II	sentence-similarity			
Satisfiability of Equality Equations	consistent-equations			
Redundant Connection	redundant-connection			
Redundant connection 2	redundant-connection 2			
	27 May 2021			
Castle RUN	castle-run			
Minimize Malware Spread	minimize-malware-spread			
Kruskal's algo	MST			
Job Sequencing	Job sequencing			
Reconstruct Itinerary	reconstruct-journey			
Sort item by group accord to dependencies	dependency sort	topological sorting		
	29 May 2021			
Most Stones Removed with Same Row or Column	most-stones-removed-with-same-row-or-column			
Find the Maximum Flow	Ford fulkerson and Edmond's karp			
Maximum Bipartite Matching	maximum-bipartite-matching			
Min swaps required to sort array	Min swaps			
	30 May 2021			
min swaps to make 2 array identical				
Bricks Falling when hit				
Alien Dictionary				
Largest color value in a directed graph	largest color value(HW)			
Swim in rising water				
Shortest distance from all buildings				
remove max number of edges to keep graph traversal				
	5 June			
graph connectivity with threshold				
Smallest strings with swaps				
cheapest flight within k stops	cheapest flight within k stops			
cracking the safe	Cracking the safe			
Find eventual safe state				
Shortest cycle in an undirected graph				
Floyd Warshall	floyd-warshall			
Johnson's algorithm				
	6 June			
number of subarrays sum exactly k	number of subarrays with sum exactly k			
Subarray sum Divisible by k	Sum divisible by k			
Same differences				
subarray with equal number of 0 and 1	subarray with equal zero and one			
Substring with equal 0 1 and 2	substring with equal 0 1 2			
K closest point from origin	K closest point from origin			
Longest consecutive 1's	longest consecutive 1's			
	10 June 2021			
Minimum number of refueling spots	minimum number of refueling spot			
Potions(hard version)				
X of a kind in a deck	X of a kind in a deck			
Check AP sequence	Check AP sequence			
	12 June			
Array of doubled Pair	Array of doubled Pair			
Rabbits in forest	Rabbits in a forest			
Longest consecutive sequence	Longest consecutive sequence			
The skyline problem	The skyline problem			
Morning Assembly	morning assembly			
Brick wall				
Grid illumination	Grid illumination			
Island perimeter	Island perimeter			
bulb switcher	bulb switcher			
Isomorphic string	Isomorphic string			
Pairs of coinciding points	Coinciding points			
	13 June			
trapping rain water	trapping rain water 2			
Trapping Rain Water II	trapping rain water 2			
Count Pair whose sum is divisible by k	Pair sum divisibility			
length of largest subarray with continuous element	length of largest subarray with cont element			
length of largest subarray with cont element 2	length of largest subarray with cont element 2			
smallest number whose digit mult to given no.	Smallest no. digit multiply to given number			
same frequency after one removal	Same after one removal			
Insert Delete GetRandom O(1)	Insert delete GetRand O(1)			
	17 June			
Insert delete get random duplicates allowed	Insert delete GetRand O(1) with duplicates			
Find all anagrams in a string	Find all anagram			
Anagram Pallindrome	Anagram pallindrome			
Find smallest size of string containing all char of other	Smallest window string			
Group anagram	Group anagram			
longest substring with unique character	longest substring with unique character			
smallest subarray with all the occurence of MFE	Smallest subarray with all MFE			
Find Anagram Mapping	Find anagram mapping			
K anagram	K anagram			
	19 June			
rearrange character string such that no two are same	rearrange such that no two are same			
Mode of frequencies	Mode of frequencies			
Line reflection	Line reflection			
Kth smallest element in sorted 2d matrix	kth smallest in 2d matrix			
Kth smallest prime fraction	Kth smallest prime			
Employee Free time	Employee free time			
	10 July			

Binary search

median of two sorted array	median of two sorted array		
capacity to ship within D days	capacity to ship within D days		
koko eating bananas	koko eating bananas		
smallest divisor given a threshold	smallest divisor given a threshold		
Painter's partition problem	painter's partition problem		
split array largest sum	split array largest sum		

11 July

Median from data stream	Median from data stream	
Kth smallest prime fraction	Kth smallest prime	
search in rotated sorted array	search in rotated sorted array	
Search in rotated sorted array 2	(HW)	
Find Minimum in rotated sorted array		
find min in rotated sorted array 2	(HW)	
counting sort	counting sort	
merge sort	merge sort	
count inversions	count inversions	

15 July

longest increasing subsequence	LIS(n^2)
longest increasing subsequence	LIS(nLogn)
building bridges	Building bridges
Russian doll envelopes	Envelope stacking
Box stacking	Stacking
weighted job scheduling	weighted job scheduling
minimum number of increasing subsequence	min number of inc subseq

17 July

Paint fence	Paint fence
Paint house	Paint house
Paint house 2	Paint house 2
No. of binary string without consecutive 1	Without cons 1
Possible ways to construct the building	
Catalan number	
Total no. of bst	Total bst
Applications of Catalan numbers	
Min cost path	min cost path
Cherry pickup	Cherry pickup

18 July

Cherry pickup 2	
best time to buy and sell stock	best time to buy and sell
best time to buy and sell 2	best time to buy and sell 2
buy and sell with transaction fee	transaction fee
best time to buy and sell with cool down	cooldown
best time to buy and sell 3	best time to buy and sell 3
best time to but and sell 4	best time to buy and sell 4
Highway billboard problem	billboard

22 July

burst balloons	Burst balloons
Matrix chain multiplication	MCM (HW)
boolean parenthesization	boolean parenthesization
Min and max val of expression	Min and max
Minimum score triangulation	Min score triangulation
Binomial coefficient	binomial coefficient

24 July

Longest common subsequence	LCS
LCS triplet	LCS triplet
Longest palindromic subsequence	LPS
Count all palindromic subsequence	
Count distinct palindromic subsequence	
Palindromic substrings	
No. of sequence of type a^i+b^j+c^k	seq of given type
COunt of distinct subsequences	(HW)

25 July

Edit distance	Edit distance
2 egg 100 floor	
egg drop	
Optimal strategy for a game	(HW)
Ugly number	
Super ugly number	Super ugly number
max size subsquare with all 1	
Wildcard pattern matching	Wildcard(HW)

29 July

Regular Expression Matching
Palindrome partitioning
Longest Bitonic subsequence
Knights probability in chessboard
Word break problem
Longest repeating subsequence

(HW)

31 July

Optimal BST		
Max sum subarray with atleast k elements		
Say no to palindrome		
Number of digit 1		https://codeforces.com/problemset/problem/1036/C
Scramble string	Scramble string	
Distinct subsequences		
Shortest common superseq	(HW)	

5th Aug

Longest common substring	
Frog jump	
Jump game 2	
Friends pairing problem	Friends pairing problem(HW)
Dungeon game	(HW)

Number theory

Euclidean algorithm	Euclidean algorithm
Extended Euclidean algorithm	Extended euclidean algorithm
Linear diaophantine equation	Linear diaophantine equation
Fermat's little theorem	Fermat's little theorem
No min No max	NMNMX(HW)
Boring factorials	Wilson's theorem

7 Aug

Long Pressed Name	long-pressed-name	Logic
Container With Most Water	container-with-most-water	Done
Squares of a sorted array		Logic
majority element	majority element	Done
majority element 2	majority element 2	Done
majority element general	majority element general	(HW)
Next Greater Element III	next-greater-element-version3	Logic
max product of 3 numbers	max product of three numbers	Logic
Max chunks to make sorted	max chunks to make sorted	
Max Chunks To Make Sorted II	max-chunks-to-make-sorted-ii	Done

8 Aug

number of subarrays with bounded maximum	number with bounded max	Done
wiggle sort	wiggle sort	Logic
largest number atleast twice of others	largest atleast twice	Logic

Problem	Description	Category	Link
Product of Array Except Self	product-of-array-except-self	Logic	
First missing positive	first missing positive	Done	
maximize distance to closest person	max distce to closest	Logic	
Reverse vowels of a string	reverse vowels of a string	HW	
Range Addition	range-addition	Done	
best meeting points	best meeting point	Logic	https://www.lintcode.com/problem/best-meeting-point/
digit_multiplier	Smallest no. digit multiply to given number		

12 Aug

Problem	Description	Category	Link
Segregate 0 and 1	Segregate 0 and 1		
Segregate 0-1-2	Segregate 0,1,2		
Sort Array By Parity	sort-array-by-parity	HW	
Maximum Swap	maximum-swap	Logic	
Sieve of Eratosthenes	Sieve	Done	
Segmented sieve	segmented sieve	Logic	
Two Sum	two sum	Logic	
Two Difference	two difference	Logic	
Boats to Save People	save-people-using-boat	HW	
Min Jump required with +i or -i allowed	min jump	Logic	https://leetcode.com/problems/reach-a-number/
K_LCM 1	Codeforces		
K_LCM 2	Codeforces		

14 Aug

Problem	Description	Category	Link
consecutive number sum	consecutive number sum		
partition labels	partition labels		
partition array into disjoint intervals	partition array into disjoint		
Buddy nim	Buddy nim		
minimum domino rotation for equal row	min rotation		
Sliding window maximum	Sliding window maximum		
rotate image	rotate image		
push dominoes	Push dominoes		

20 August 2021

Problem	Description	Category	Link
multiply strings	multiply strings		
smallest range from k lists	smallest from k lists		
maximum product subarray	max product subarray		
valid palindrome 2	valid pallindrome 2(HW)		
Sum of subsequence width			
Max Consecutive Ones II	max-consecutive-ones-ii		https://www.lintcode.com/problem/max-consecutive-ones-ii/
max consecutive ones 3	max consecutive ones 3		
Maximum sum of smallest and second smallest	max sum smallest and second smallest	..	
cherry	Cherry		
Min No. of Platform	min no. of platform		

21 Aug

Problem	Description	Category	Link
Say no to palindrome			
Orderly Queue	orderly-queue		
Diane			
KMP	KMP	Logic	https://reducedcomplexity.wordpress.com/2019/02/22/knuth-morris-prattkmp-pattern-searching-algorithm/
Shortest Palindrome	shortest-palindrome	Logic	
Z algo	Z algo	Logic	
chef and secret password	Chef and secret password	Logic	

25th August

Problem	Description	Category	Link
Meeting rooms	Meeting rooms		
Meeting rooms 2	Meeting rooms 2		
Merge intervals	Merge Intervals		
Interval_List_Intersection	Interval list intersection		
Insert Interval	Insert interval		
min number of arrow	min number of arrow	(HW)	
max sum of two non overlapping subarrays	max sum of two non overlapping		

2 Sept

Problem	Description	Category	Link
Next Greater Element on right	Next Greater		
Next Greater Element 2	Next Greater 2		
Daily Temperatures	Daily Temperatures(HW)		
Stock Span Problem	Stock Span		
maximum difference between left and right smaller	Left Right smaller		
Largest Rectangular Area Histogram	Largest Area Histogram		
	maximum size binary matrix		
Asteroid Collision	Asteroid Collision		
Validate Stack	Stack Validation		
Remove K digits From number	Remove k digits		

3 Sept

Problem	Description	Category	Link
Valid Parentheses	Valid Parentheses		
Length of longest valid substring	Valid Parentheses Substring		
Count of duplicate Parentheses	Count of Duplicate Parentheses(HW)		
Minimum Number of bracket reversal	Min Reversal		
Minimum Add To make Parentheses Valid	Making Parentheses Valid		
Longest Unbalanced Subsequence			
max frequency stack	max freq stack		
Min Stack	min stack		
K stacks in a single array	K stacks in a single array		
K queue	K queue in a single array		

6 Sept

Problem	Description	Category	Link
Remove duplicate letters	Remove duplicate letter		
ADAPTERS			
Gas Station	Gas station		
Car fleet	Car fleet		
Infix evaluation	Infix		
infix to postfix			
infix to prefix			
Postfix	postfix evaluation and conversions		
prefix	prefix evaluation and conversions		
Backspace String Compare	Compare after deletion (HW)		

9 Sept

Problem	Description	Category	Link
reverse LinkedList	Reverse LinkedList		
Find the middle element	middle element		
Floyd cycle	Detect loop in a linkedlist		https://www.pepcoding.com/resources/data-structures-and-algorithms https://leetcode.com/problems/linked-list-cycle-ii/
Clone a linkedlist	clone		
Split circular LinkedList	Split into two two parts(HW)		
Intersection point of 2 linked list	Intersection point		
LRU Cache	LRU Cache		
LFU cache	LFU Cache		

13 Sept

Problem	Description	Category	Link
Implement TRIE			
Design add and search words			
Maximum xor of two numbers in an array			
concatenated words			
Word search 2			
https://www.pepcoding.com/resources/data-structures-and-algorithms-in-java-levelup/trie			

14 Sept

Problem	Description	Category	Link
Basic of bits			
Print RSB mask			
Kernighans algorithm			
Grey Code			
All repeating except one			
All repeating except 2			
RPD and Rap Sheet			

Minimum number of software dev
Subsets of an array
Array Differentiation

16 Sept
One repeating and one missing
All repeating three times except 1
Triplets - 1 | (HW)
Reduce N to 1
Pepcoder and BITS
XOR of sum of all pairs

18 Sept

Topic	Problem	Status	Link
Preorder Traversal	Preorder traversal	Done	
Inorder Traversal	Inorder traversal	Done	
Postorder Traversal	Postorder traversal	Logic	
Binary Tree Level Order	Level Order		
Binary search tree to greater sum	Greater sum BST		
Next right pointer in each node	Next right pointer in each node		
right side view	right view	Logic	
Left View	Left view	Logic	https://www.pepcoding.com/resources/data-structures-and-algorithms-in-java-levelup/trees/top-view-of-a-binarytree/ojquestion
Top View	Top view	Done	
Bottom View	Bottom view	Done	
Vertical order	vertical order		
reverse level order	reverse level order		
Binary tree coloring game	Coloring game		
Diagonal Traversal	diagonal traversal		

19 Sept

Topic	Problem	Link
Boundary Traversal	Boundary traversal	
Sum of distances in tree	sum of distances in tree	
Recover binary search tree	recover binary search tree	
inorder succesor	inorder successor	https://www.lintcode.com/problem/inorder-successor-in-bst/
Binary Tree Cameras	Binary tree camera	
Max path sum		

23 Sept

Topic	Problem
Distribute coins in a binary tree	distribute coins
image multiplication	image multiplication
Max product splitted binary tree	Max product splitted binary tree
Delete node in bst	
Construct from inorder and preorder	from in and pre
Construct from inorder and postorder	from in and post
Inorder and level order	Inorder and level order

25 Sept

Topic	Problem
isBstPreorder	preorder isBst
BST from Postorder	Bst from postorder
BST from preorder	BST from preorder
Construct from pre and post	Pre and Post (HW)
Flatten binary tree to linked list	Flatten binary tree to linked list
Convert a binary tree to circular doubly linked list	Convert to circular DLL
Conversion of sorted DLL to BST	DLL to BST
Merge Two BST	Merge 2 BST
clone a binary tree with random pointer	clone binary tree

26 Sept

Topic	Problem
Kth smallest element of BST	Kth smallest in BST
serialize and deserialize	serialize and deserialize
Lowest common ancestor in BST	LCA in BST
Lowest common ancestor	lowest common ancestor
Longest zigzag path in binary tree	zigzag in a binary tree
Univalue subtrees	Univalue subtrees(HW)
BFS of graph	bfs-of-graph
Bipartite graph	Bipartite graph
Bus routes	

30 Sept

Topic	Problem
Prim's Algo	Prims algo
connecting cities with minimum cost	Connecting cities with min cost
Dijkstra algo	Dijkstra
optimize water distribution in village	optimize water distribution
chef and reversing	chef and reversing(0-1 BFS)
evaluate division	
Number of Enclaves	number-of-enclaves
Number of Islands	number-of-islands
Number of Distinct Islands	number-of-distinct-islands(TRY)

3rd October

Topic	Problem
0-1 matrix	01-matrix
Strongly Connected Components (Kosaraju's Algo)	
Mother Vertex	mother-vertex
Word Ladder	word-ladder
Shortest bridge	
Sliding Puzzle	
As far from land as possible	As far from land as possible(HW)
Shortest bridge	

5th October

Topic	Problem	Link
bellman ford	Bellman ford	
Rotting Oranges	rotten-oranges	
topological sorting	topological sorting	
Kahn's algo	Kahn's algo	
course schedule 2	course schedule 2	
Eulerian Path in an Undirected Graph	euler-circuit-in-an-undirected-graph(HW)	
Euler Circuit in a Directed Graph	euler-circuit-in-a-directed-graph(HW)	https://youtu.be/w99eI8bl-DM

7th October

Topic	Problem	Note
Articulation point	articulation point	
Doctor Strange	doctor-strange	
Sort item by group accord to dependencies	dependency sort	topological sorting

video lecture(9th oct)

Topic	Problem
DSU	
DFS vs DSU	
Number of Islands II	number-of-islands-ii
Regions Cut By Slashes	regions-cut-by-slashes
Sentence Similarity II	sentence-similarity
Satisfiability of Equality Equations	consistent-equations
Redundant Connection	redundant-connection
Redundant connection 2	redundant-connection 2

12 Oct

Topic	Problem
Minimize Malware Spread	minimize-malware-spread
Alien Dictionary	
Most Stones Removed with Same Row or Column	most-stones-removed-with-same-row-or-column
Kruskal's algo	MST
Job Sequencing	Job sequencing
Reconstruct Itinerary	reconstruct-journey(HW)

Topic	Problem
Castle RUN	castle-run
Min swaps required to sort array	Min swaps
min swaps to make 2 array identical	
Swim in rising water	