| | DSA by Shrac | Iha Didi & Aman Bhaiya | | | |
|--------|--|--|--|--------------------------|--|
| | Meet us on Youtube | (Apna College) | | How to solve this sheet? | |
| | | | | | |
| | | | | | |
| | Easy Medium | Ideal Time : 5-10 mins Ideal Time : 15-20 mins | | | |
| | Hard | Ideal Time : 40-60 mins (based on Qs) 88 Qs | 5 Questions each Day | | |
| | | | | | |
| Code | Topics | Question (375) | Companies | Remarks | |
| 10-001 | Arrays | Maximum and Minimum Element in an Array | ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe | | |
| | Arrays | Reverse the Array | Infosys Moonfrog Labs | | |
| | Arrays Arrays | Maximum-Subarray Contains Duplicate | Microsoft + Facebook Interview Qs Amazon Interview Qs | use Kadane's Algorithm | |
| | Arrays | Chocolate Distribution Problem | Amazon Interview Qs | | |
| 10-006 | Arrays | Search an Element in a Sorted and Pivoted Array | Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Paytm | | |
| 10-007 | Arrays | Next Permutation | Uber + Goldman Sachs + Adobe Interview Qs Amazon D-E-Shaw Directi Flipkart Goldman Sachs | | |
| 10-008 | Arrays | Best time to Buy and Sell Stock | Intuit MakeMyTrip Microsoft Ola Cabs Oracle Paytm | | |
| 10-008 | Allays | best time to buy and sell stock | Pubmatic Quikr Salesforce Sapient Swiggy Walmart | | |
| 10-009 | Arrays | Repeat and Missing Number Array | Media.net Google Amazon Interview Qs | | |
| | Arrays Arrays | Kth-Largest Element in an Array Trapping Rain Water | Amazon Microsoft Walmart Adobe Samsung Interview Qs | | |
| | Arrays Arrays | Product of Array Except Self | Microsoft + Facebook Interview Qs | | |
| 10-013 | Arrays | Maximum Product Subarray | Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google | | |
| 10-014 | Arrays | Find Minimum in Rotated Sorted Array | Adobe Amazon Microsoft Morgan Stanley Samsung | | |
| | Arrays | Search in Rotated Sorted Array | Snapdeal Times Internet Microsoft + Google + Apple Interview Qs | | |
| | - | 3Sum | Adobe Amazon Microsoft Morgan Stanley Samsung | | |
| | Arrays Arrays | Container With Most Water | Snapdeal Times Internet Flipkart + Dunzo Interview Qs | | |
| | Arrays | Given Sum Pair | Infosys + Amazon + Flipkart Interview Qs | | |
| 10-019 | Arrays | Kth - Smallest Element | ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe | | |
| | Arrays | Merge Overlapping Intervals | Google Interview Qs | | |
| | Arrays Arrays | Find Minimum Number of Merge Operations to Make an Array Palindrome Given an Array of Numbers Arrange the Numbers to Form the Biggest Number | Amazon Barclays Interview Qs | | |
| 10-023 | Arrays | Space Optimization Using Bit Manipulations | Amazon | | |
| | Arrays Arrays | <u>Subarray Sum Divisible K</u> Print all Possible Combinations of r Elements in a Given Array of Size n | Snapdeal Microsoft Amazon | | |
| | Arrays | Mo's Algorithm | Microsoft | | |
| | | | | | |
| 15-001 | Strings | Valid Palindrome | Amazon Cisco D-E-Shaw Facebook FactSet Morgan | | |
| | Strings | Valid Anagram | Stanley Paytm Zoho Nagarro Media.net Directi Google Adobe Flipkart | | |
| 15-003 | Strings | <u>Valid parentheses</u> | Google Interview Qs | use Stacks (if possible) | |
| | Strings Strings | Remove Consecutive Characters Longest Common Prefix | Samsung + Adobe Adobe + Grofers + Dunzo Interview Qs | | |
| 15-006 | Strings | Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence | Adobe | | |
| | Strings Strings | Print all the Duplicates in the Input String Longest Substring without Repeating Characters | Ola + Amdocs IQ Morgan Stanley + Amazon IQ | | |
| 15-009 | Strings | Longest Repeating Character Replacement | Amazon Google | | |
| | Strings Strings | Group Anagrams Longest Palindromic Substring | Samsung + Adobe + Amazon Interview Qs Microsoft + Google + Samsung + Visa IQ | | |
| 15-012 | Strings | Palindromic Substrings | Microsoft IQ | | |
| | Strings Strings | Next Permutation Count Palindromic Subsequences | Adobe + Goldman Sachs + Uber Myntra Interview Qs | | |
| 15-015 | Strings | Smallest Window in a String Containing all the Characters of Another String | Microsoft + Amazon IQ | | |
| | Strings Strings | Wildcard String Matching Longest Prefix Suffix | Microsoft + Amazon + Ola IQ Flipkart + Swiggy IQ | | |
| 15-018 | Strings | Rabin-Karp Algorithm for Pattern Searching | Microsoft | | |
| 15-019 | Strings | Transform One String to Another using Minimum Number of Given Operation | Directi | | |
| 15-020 | Strings | Minimum Window Substring | Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atlassian Flipkart | | |
| 15-021 | Strings | Boyer Moore Algorithm for Pattern Searching | Amdocs | | |
| | Strings | Word Wrap | Microsoft | use Dynaming Programming | |
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| | 2D Arrays | Zigzag (or diagonal) Traversal of Matrix | Amazon | | |
| | 2D Arrays 2D Arrays | Set Matrix Zeroes Spiral Matrix | Amazon Microsoft Flipkart + Apple + Societe Generale IQ | | |
| 20-004 | 2D Arrays | Rotate Image | Microsoft Paytm Samsung Adobe | | |
| | 2D Arrays 2D Arrays | Word Search Find the Number of Islands Set 1 (Using DFS) | Google + Ola + Goldman Sachs IQ Microsoft + Uber + Apple + Amazon IQ | Read about DFS | |
| 20-007 | 2D Arrays | Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X' | Google | | |
| | 2D Arrays 2D Arrays | Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix Create a Matrix with Alternating Rectangles of O and X | MAQ Software Microsoft VMWare MAQ VMWare | | |
| | 2D Arrays | Maximum Size Rectangle of all 1s | Amazon Microsoft | | |
| | | | | | |
| 25-001 | Searching & Sorting | Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K | Samsung | | |
| 25-002 | Searching & Sorting | counting sort | Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems | | |
| | Searching & Sorting | find common elements three sorted arrays Searching in an array where adjacent differ by at most k | MAQ Software Microsoft VMWare | | |
| 25-005 | Searching & Sorting Searching & Sorting | ceiling in a sorted array | TCS Amazon TCS | | |
| 25-006 | Searching & Sorting | Piar with given difference | Amazon Visa | | |
| | Searching & Sorting Searching & Sorting | majority element count triplets with sum smaller that a given value | Amazon+ Google Amazon SAP Labs | | |
| | Searching & Sorting | Maximum Sum Subsequence with no adjacent elements | Amazon FactSet Oxigen Wallet OYO Rooms Paytm | | |
| | | | Walmart Yahoo Adobe Flipkart Amdocs Brocade Goldman Sachs Juniper Networks | | |
| 25-010 | Searching & Sorting | Merge Sorted Arrays using O(1) Space | Linkedin Microsoft Quikr Snapdeal Synopsys Zoho | | |
| 25.044 | Sparching 9 Cartin | Inversion of Array | Adobe Adobe Amazon BankBazaar Flipkart Microsoft | | |
| ∠ບ-U11 | Searching & Sorting | Inversion of Array Find Duplicates in O(n) Time and O(1) Extra Space | Myntra MakeMyTrip Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho | | |
| 25_042 | Searching & Sorting | Find Dilinificates in Clin Lime and Clin Evtra Space | | | |

| March Marc | | | | | | |
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| Answers Searching Search Search Control Contro | | | - | | | |
| Access of American Secretary Communications of A | 25-019 | Searching & Sorting | | | | |
| Section Section Advance of common of press Long or relay collector section Collection | | | | | | |
| American Scores Descripting D | | | | | | |
| See Section 19 | | | | | | |
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| Common | | | | | | |
| Marchanger | | | | | | |
| Section Sect | 30-004 | Backtracking | Longest Possible Route in a Matrix with Hurdles | | | |
| See Authoriting Control (1997) Extension Contr | 30-005 | Backtracking | <u>Printing all solutions in N-Queen Problem</u> | • | | |
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| March protection of the control of t | 30-006 | Backtracking | Solve the Sudoku | | | |
| See Backbacking Schuld | 30-007 | Backtracking | | Amazon + Adobe + Accolite + Traveloka | | |
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| United List Life of List Cycle | 35-001 | Linked List | Reverse Linked List | | | |
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| Section Sect | | | | | | |
| Save United List South Private List South Private List South Committed List South Co | 35-004 | Linked List | Delete without Head node | Samsung Visa | | |
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| Accorde Adobe Amazon Ciscorp Epic Systems Facted His MAD Software Montages Softw | | | | • • | | |
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| Second Detect and remove topo in a linked list Common Microsoft CVO Rooms House Update Mahrindra | | | | | | |
| Section United List Detect and remove bop in a linked list Paym Quacomm Samuag SAP Labs Snapdeal Vertas WWAre Walmart Adobe Flotten a linked list Polym Quacomm Samuag SAP Labs Snapdeal Vertas WWAre Walmart Adobe Flotten a linked list to linked list in place gardenin Microsoft Walmart Walmar | 35-009 | Linked List | Reorder List | | | |
| Paym Qualcomm Sansang SAP Labs Snapdeal | | | | Accolite Amazon D-E-Shaw Hike Lybrate Mahindra | | |
| Payth Qualcom Samsung SAP Last Snappdes | 35-010 | Linked List | Detect and remove loop in a linked list | Comviva MakeMyTrip MAQ Software OYO Rooms | | |
| Scott Inked List Flaten a linked list | 00 010 | LITIKEG LISE | beteet and remove 100p in a ninked list | Paytm Qualcomm Samsung SAP Labs Snapdeal | | |
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| Naced List Point to next hisher value node in a linked list with an Arbitrary Pointer Geekyhnts | 35-015 | Linked List | Delete nodes which have a greater value on right side | Amazon | ' | |
| Niced List Rearrange a given linked list in juace Ola Uber | 35-016 | Linked List | | Walmart | | |
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| Linked List Sum of Evec Linked List Sub Factor Paytron Payu Qualcomm Snapdeal Vis Sachs Microsoft Samsung Snapdeal Vis Sachs & Queues Implement Evec Stacks Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs 40-001 Stacks & Queues Implement Evec Stacks In an Array 24-7 Innovation Labs Microsoft Samsung Snapdeal 40-002 Stacks & Queues Microsoft Samsung Snapdeal 40-003 Stacks & Queues Microsoft Samsung Snapdeal 40-003 Stacks & Queues Microsoft Samsung Snapdeal 40-003 Stacks & Queues Microsoft Samsung Snapdeal 40-004 Stacks & Queues Microsoft Samsung Snapdeal 40-004 Stacks & Queues Microsoft Samsung Snapdeal 40-004 Stacks & Queues Microsoft Samsung Snapdeal 40-005 Stacks & Queues Design Stack with Middle Operation Microsoft Amdocs 40-005 Stacks & Queues Design Stack with Middle Operation MaQ Software 40-005 Stacks & Queues Design and Implement Special Stack 40-005 Stacks & Queues Design and Implement Special Stack 40-005 Stacks & Queues Stack Microsoft Samsung Paytrn + Vinware Inc 40-005 Stacks & Queues Stack Microsoft Micr | 35-022 | Linked List | Quicksort on singly-linked list | Paytm | Important |] [|
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| Sachs Microsoft Paytm Payu Qualcomm Snapdeal Vis Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Linked List Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Linked List Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List Linked List Linked List Linked List Linked List Subtract two numbers represented as linked lists Amazon Goldman Sachs Linked List L | | | | | | |
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| Sacks & Queues Implement two stacks in an Array 24*7 Innovation Labs Microsoft Samsung Snapdeal | 35-025 | Linked List | Clone a linked list with next and random Pointer | Triology | | |
| 40-002 Stacks & Queues | 35-026 | Linked List | Subtract two numbers represented as linked lists | Amazon Goldman Sachs | | . [|
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| 40-002 Stacks & Queues | | | | | | |
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| 40-004 Stacks & Queues Queue Reversal Amazon + Morgain Stanley Microsoft + Atlassian Microsoft + Amdocs Microsoft + Amazon + Samsung + Paytm + Vmware inc May Software May Software May Software May Software Microsoft Stacks & Queues Design and Implement Special stack Mazon + Samsung + Paytm + Vmware inc Moorgain Stack Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Mi | | • | · · · · · · · · · · · · · · · · · · · | • | | |
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| 40-007 Stacks & Queues | | | , | | |] |
| 40-008 Stacks & Queues | | | | | | |
| 40-009 Stacks & Queues | | | | | | |
| 40-010 Stacks & Queues | | • | | | | |
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| 40-025 Stacks & Queues | Find the maximum of minimums for every window size in a given array | Amazon Microsoft Flipkart | | |
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| 40-027 Stacks & Queues | Find a tour that visits all stations | Uber | 1 | |
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| 45-001 Greedy | Activity selection problem greedy algo | Facebook Morgan Stanley Flipkart | | |
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| 45-002 Greedy | Greedy algorithm to find minimum number of coins | | | |
| | | Samsung Snapdeal Synopsys Visa Microsoft Google | | |
| 45-003 Greedy | Minimum sum two numbers formed digits array-2 | Google | | |
| 45-004 Greedy | Minimum sum absolute difference pairs two arrays | Amazon | | |
| 45-005 Greedy | Find maximum height pyramid from the given array of objects | Flipkart Amazon | | |
| 45-006 Greedy | Minimum cost for acquiring all coins with k extra coins allowed with every coin | | | |
| 45-007 Greedy | Find maximum equal sum of every three stacks | Microsoft Amazon Flipkart | | |
| 45-008 Greedy | Job sequencing problem | Microsoft + Acolite | | |
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| 45-010 Greedy | <u>Fractional knapsack problem</u> | Microsoft | | |
| 45-011 Greedy | Maximum length chain of pairs | Amazon Microsoft | | |
| 45-012 Greedy | Find smallest number with given number of digits and digit sum | MAQ Software OYO Rooms | | |
| 45-013 Greedy | Maximize sum of consecutive differences circular-array | Maccafe | | |
| 45-014 Greedy | paper-cut minimum number squares | Google | | |
| 45-015 Greedy | <u>Lexicographically smallest array-k consecutive swaps</u> | Amazon | | |
| 45-016 Greedy | Problems-CHOCOLA | Flipkart | | |
| 45-017 Greedy | Find minimum time to finish all jobs with given constraints | | | |
| 45-018 Greedy | Job sequencing using disjoint set union | Samsung | 1 | |
| 45-019 Greedy | Rearrange characters string such that no two adjacent are same | Amazon Microsoft | | |
| 45-020 Greedy | Minimum edges to reverse to make path from a source to a destination | m each other | | |
| 45-021 Greedy | Minimize Cash Flow among a given set of friends who have borrowed money fro | | | |
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| 50-009 Binary Trees | Create a mirror tree from the given binary tree | Sachs Microsoft Morgan Stanley Myntra Ola Cabs | | |
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| 50-010 Binary Trees | Leaf at same level | Amazon | | |
| 50-011 Binary Trees | Check for Balanced Tree | Amazon Walmart Microsoft | | |
| 50-012 Binary Trees | Transform to Sum Tree | Amazon FactSet Microsoft Samsung Walmart | | |
| 50-013 Binary Trees | Check if Tree is Isomorphic | Amazon Microsoft | | |
| 50-014 Binary Trees | Same Tree | Amazon Microsoft Flipkart | | |
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| 50-016 Binary Trees | Height of Binary Tree | FactSet FreeCharge MakeMyTrip | | |
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| 50-024 Binary Trees | <u>Duplicate subtree in Binary Tree</u> | Google | | |
| 50-025 Binary Trees | Check if a given graph is tree or not | Microsoft Amazon | | |
| 50-026 Binary Trees | Lowest Common Ancestor in a Binary Tree | Accolite Amazon American Express Cisco Expedia | | |
| binary frees | Lowest Common Ancestor in a Binary Free | Flipkart MakeMyTrip Microsoft OYO Room | | |
| 50-027 Binary Trees | Min distance between two given nodes of a Binary Tree | Amazon Linkedin MakeMyTrip Ola Cabs Qualcomm | | |
| | • | Samsung | | |
| 50-028 Binary Trees | <u>Duplicate Subtrees</u> | Ola | | |
| 50-029 Binary Trees | Kth ancestor of a node in binary tree | Josh Technology Group | | |
| 50-030 Binary Trees | Binary Tree Maximum Path Sum | Samsung + Facebook | | |
| 50-031 Binary Trees | Serialize and Deserialize Binary Tree | Flipkart InMobi Linkedin MAQ Software Microsoft | | |
| | · | Paytm Quikr Yahoo | | |
| 50-032 Binary Trees | Binary Tree to DLL | Accolite Amazon Goldman Sachs Microsoft Morgan | | |
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| 50-033 Binary Trees | Print all k-sum paths in a binary tree | Accolite Amazon Goldman Sachs | | |
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| 55-001 Binary Search Trees | Lowest Common Ancestor of a Binary Search Tree | Samsung Synopsys | | |
| 55-002 Binary Search Trees | Binary Search Tree Set 1 (Search and Insertion) | Accolite Amazon Microsoft Paytm Samsung | | |
| 55-003 Binary Search Trees | Minimum element in BST_ | Microsoft | | |
| 55-004 Binary Search Trees | Predecessor and Successor | Google + Adobe + Goladman Sachs + Direct | | |
| 55-005 Binary Search Trees | Check whether BST contains Dead End | Walmart | ' | |
| 55-006 Binary Search Trees | Binary Tree to BST | HSBC | | |
| 55-007 Binary Search Trees | Kth largest element in BST | Accolite Amazon Samsung SAP Labs Microsoft | | |
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| 55-009 Binary Search Trees | Kth Smallest Element in a BST | Accolite Amazon Google | | |
| 55-010 Binary Search Trees | Delete Node in a BST | Adobe Barclays | | |
| 55-011 Binary Search Trees | Flatten BST to sorted list | Microsoft | | |
| 55-012 Binary Search Trees | Preorder to Postorder | Amazon Linkedin Flipkart | | |
| 55-013 Binary Search Trees | Count BST nodes that lie in a given range | D-E-Shaw Google | | |
| 55-014 Binary Search Trees | Populate Inorder Successor for all Nodes | Sap labs | | |
| 55-015 Binary Search Trees | Convert Normal BST to Balanced BST | Paytm | | |
| 55-016 Binary Search Trees | Merge two BSTs | DE Shaw India | | |
| 55-017 Binary Search Trees | Given n appointments, find all conflicting appointments | Samsung | | |
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| Tries Word Break Problem (Trie solution) Amazon Google Hike IBM MAQ Software Microsoft Walmart Zoho Amazon D-E-Shaw Goldman Sachs Morgan Stanley Snapdeal Microsoft Tries Find shortest unique prefix for every word in a given list Microsoft Google Tries Implement a Phone Directory Tries Implement a Phone Directory Tries Implement a Phone Directory Amazon + Microsoft Fonapdeal Tries DP Knapsack with Duplicate Items Amazon Tries Microsoft + Snapdeal Tries Implement a Phone Directory Amazon + Microsoft + Snapdeal Tries DP Reach a given score Samsung Tries DP Maximum difference of zeros and ones in binary string Tries DP Climbing Stairs Intuit Tries Implement a Phone Directory Amazon Tries DP Climbing Stairs Intuit Tries DP Longest Repeating Subsequence Tries Implement a Phone Directory Amazon Tries DP Pairs with specific difference Ola Amazon Tries DP Longest subsequence-1 Amazon Tries DP Coin Change Microsoft + Samsung + Barclays + Apple + Adobe | | | | | | |
| Tries Given a sequence of words, print all anagrams together Tries Find shortest unique prefix for every word in a given list Microsoft Google Tries Implement a Phone Directory. DP Knapsack with Duplicate Items Amazon T-5-001 DP Knapsack with Duplicate Items Amazon T-5-002 DP BBT counter T-5-003 DP Reach a given score T-5-004 DP Maximum difference of zeros and ones in binary string DP Climbing Stairs Intuit T-5-005 DP Permutation Coefficient T-5-007 DP Longest Repeating Subsequence Google + Amazon Google + Amazon Google + Amazon DP Alars with specific difference DP Longest subsequence-1 Amazon Microsoft Samsung Google + Amazon Google + Amazon Amazon Amazon Amazon Google + Amazon Amazon Amazon Amazon Microsoft Samsung Amazon | 70-002 Tri | ies | Print unique rows in a given boolean matrix | | | |
| Tries Given a sequence of words, print all anagrams together Tries Find shortest unique prefix for every word in a given list Microsoft Google Tries Implement a Phone Directory Amazon + Microsoft + Snapdeal T5-001 DP Knapsack with Duplicate Items Amazon T5-002 DP BBT counter T5-003 DP Reach a given score Samsung T5-004 DP Maximum difference of zeros and ones in binary string T5-005 DP Climbing Stairs Intuit T5-006 DP Permutation Coefficient T5-007 DP Longest Repeating Subsequence T5-008 DP Pairs with specific difference Ola DP Longest subsequence-1 T5-009 DP Longest subsequence-1 T5-009 DP Longest subsequence-1 Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | 70-003 Tri | ies | Word Break Problem (Trie solution) | | | |
| Tries Find shortest unique prefix for every word in a given list Microsoft Google Tries Implement a Phone Directory Amazon + Microsoft + Snapdeal Tries DP | 70.05 | 1 | Character of the character of | | | |
| Tries Implement a Phone Directory. Amazon + Microsoft + Snapdeal 75-001 DP Knapsack with Duplicate Items | 70-004 Tri | ies | | Snapdeal Microsoft | | |
| 75-001 DP Knapsack with Duplicate Items Amazon 75-002 DP BBT counter Microsoft 75-003 DP Reach a given score Samsung 75-004 DP Maximum difference of zeros and ones in binary string Ola 75-005 DP Climbing Stairs Intuit 75-006 DP Permutation Coefficient Amazon 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-000 DP Microsoft+ Samsung + Barclays + Apple + Adobe | | | | | | |
| 75-002 DP BBT counter Microsoft 75-003 DP Reach a given score Samsung 75-004 DP Maximum difference of zeros and ones in binary string Ola 75-005 DP Climbing Stairs Intuit 75-006 DP Permutation Coefficient Amazon 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | 70-006 Tri | les | Implement a Phone Directory | Amazon + Microsoft + Snapdeal | | |
| 75-002 DP BBT counter Microsoft 75-003 DP Reach a given score Samsung 75-004 DP Maximum difference of zeros and ones in binary string Ola 75-005 DP Climbing Stairs Intuit 75-006 DP Permutation Coefficient Amazon 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | | | | | | |
| 75-002 DP BBT counter Microsoft 75-003 DP Reach a given score Samsung 75-004 DP Maximum difference of zeros and ones in binary string Ola 75-005 DP Climbing Stairs Intuit 75-006 DP Permutation Coefficient Amazon 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | 75-001 DP | P | Knapsack with Duplicate Items | Amazon | | |
| 75-004 DP Maximum difference of zeros and ones in binary string Ola 75-005 DP Climbing Stairs Intuit 75-006 DP Permutation Coefficient Amazon 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | 75-002 DP | P | BBT counter | Microsoft | | |
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| 75-007 DP Longest Repeating Subsequence Google + Amazon 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | | | | · · | | |
| 75-008 DP Pairs with specific difference Ola 75-009 DP Longest subsequence-1 Amazon 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | | | | | | |
| 75-010 DP Coin Change Microsoft+ Samsung + Barclays + Apple + Adobe | | P | Pairs with specific difference | | | |
| | 75-009 DP | P | Longest subsequence-1 | | | |
| | 75-010 DP | P | <u>Coin Change</u> | Microsoft+ Samsung + Barclays + Apple + Adobe | | |
| 75-011 DP LIS Amazon + Google + Facebook + Fidelity International | 75-011 DP | P | <u>LIS</u> | Amazon + Google + Facebook + Fidelity International | | |
| 75-012 DP Longest Common Subsequence Siemens + Amazon + Google | 75-012 DP | | | Siemens + Amazon + Google | | |
| Amazon + Google + Microsoft + Walmart + Apple + | | | · | | | |
| 75-013 DP WORD Break | 75-013 DP | | | IBM | | |
| 75-014 DP Combination Sum IV Adobe Amazon Microsoft | | | | | | |
| 75-015 DP House Robber Arrays Dynamic Programming | | | | | | |
| 75-016 DP Houe Robber 2 Arrays Dynamic Programming 75-017 DP Decode Ways Adobe + Uber | 75 000 | | | | | |
| 75-017 DP Decode Ways Adobe + Ober 75-018 DP Unique Paths Google + Microsoft | | D | LOUIS AND | IVAONE : ONG! | İ | 1 |

| | | Count of Smaller Numbers After Self | Codenation Google | |
|--------------------|-----------------------------|--|--|--|
| | Segment Trees Segment Trees | Count of Range Sum Count of Smaller Numbers After Self | Walmart | |
| | Segment Trees | Create Sorted Array through Instructions | Samsung + Accolite | |
| | Segment Trees | Range Sum Query - Mutable | Alibaba | |
| | Segment Trees | Range Minimum Query | Google Interview Qs | |
| | Segment Trees | Range Sum Query - Immutable | Coords Internious On | |
| 05.001 | Commont Tues | Dange Cum Quant Immutable | | |
| | | | | |
| 80-010 | Bit Manipulation | <u>Power Set</u> | Google + Adobe + Paytm | |
| | Bit Manipulation | Divide two integers without using multiplication, division and mod operator | Microsoft | |
| | Bit Manipulation | Calculate square of a number without using *, / and pow() | Amazon | |
| | Bit Manipulation | Copy set bits in a range | Facebook | |
| | Bit Manipulation | Count total set bits in all numbers from 1 to n | Microsoft | |
| | Bit Manipulation | Count number of bits to be flipped to convert A to B | Mag Software | |
| | Bit Manipulation | Find position of the only set bit | Microsoft | |
| 80-003 | Bit Manipulation | Program to find whether a no is power of two | Adobe | |
| 80-002 | Bit Manipulation | Find the two non-repeating elements in an array of repeating elements | Microsoft Qualcomm Samsung | |
| 80-001 | Bit Manipulation | Count set bits in an integer | Adobe Apple Accolite Amazon FactSet Google MakeMyTrip | |
| 00.004 | Dit Maninulation | Count got hits in an integer | Adaha Anala | |
| | | | | |
| 73-034 | | Largest area rectangular sub-matrix with equal number of 15 and 05 | Samsung Google Flipkart | |
| 75-054 | DP | Largest area rectangular sub-matrix with equal number of 1's and 0's | Amazon Directi Intuit MakeMyTrip Microsoft | |
| 75-053 I | DP | Largest Submatrix with sum 0 | Amazon MakeMyTrip Microsoft | |
| 75-052 | DP | Optimal BST | Google | |
| 75-051 | DP | Maximum profit by buying and selling a share at most twice | Accolite Amazon Microsoft | |
| 75-050 | | Matrix Chain Multiplication | Walmart + Flipkart | |
| 75-049 | | Maximum Length of Pair Chain | Amazon Microsoft | |
| 75-048 | | Mobile numeric keypad | Amazon Microsoft | |
| 75-047 | | Word Wrap | Microsoft | |
| 75-046 | | Optimal Strategy for a game | Google + IBM | |
| 75-045 | | Coin Game Winner | Ola | |
| 75-044 | | Coin Game | Salesforce | |
| 75-042 | | Weighted Job Scheduling | Intuit | |
| 75-042 | | Longest Alternating Sequence | Ola | |
| 75-040 | | Longest Palindromic Substring | Amazon + Microsoft + Samsung + Visa | |
| 75-040 | | Count Palindromic Subsequences | Myntra | |
| 75-039 | | Longest Palindromic Subsequnce | Amazon Google | |
| 75-038 | | Partition Equal Subset Sum | Amazon + Accolite + Traveloca + Adobe | |
| 75-037 | | Longest Common Substring | Webarch Club | |
| 75-036 | DP | Minimum removals from array to make max – min <= K | Amazon | |
| 75-035 | DP | Minimum Number of Jumps | Walmart Microsoft Google Flipkart | |
| | | | Adobe Amazon Housing.com Moonfrog Labs | |
| 75-034 | | Maximum Path Sum | Amazon + Microsoft + Oyo + Directi | |
| 75-033 | | Largest Square in Matrix | Amazon Samsung | |
| 75-032 | DP | Max length chain | Amazon Microsoft | |
| | | | Oracle Philips Samsung Service Now Unisys VMWare Microsoft | |
| 75-031 | DP | Egg dropping puzzle | | |
| | | | MakeMyTrip MAQ Software Myntra Nearbuy Opera | |
| 75-030 | UP . | waxiindiii suiri iiicreasiiig subsequerice | Amazon Morgan Stanley Microsoft Amazon D-E-Shaw Goldman Sachs Google Hike | |
| 75-029 75-030 | | Maximum sum increasing subsequence | Goldman Sachs | |
| 75-028 | | Maximum sum increasing subsequence Count all subsequences having product less than K | Amazon Morgan Stanley Microsoft | |
| 75-027 | | Maximize The Cut Segments Maximum sum increasing subsequence | Amazon Morgan Stanley Microsoft | |
| 75-026 | | Assembly Line Scheduling | Goldman Sachs | |
| 75-025 | | Gold mine | Samsung Caldraga Cada | |
| 75-024 | | Subset Sum | Amazon + Google | |
| 75-023 | | Edit Distance | Google + Goldman Sachs + Citrix | |
| 75-022 | _ · | Catalan Number | Amazon + Google | |
| 75-021 | | nCr | Google | |
| | | | Mobicip Morgan Stanley Oracle Payu Snapdeal Visa | |
| 75-020 | DP | Knapsack Problem | Amazon Directi Flipkart GreyOrange Microsoft | |
| 75-019 I | DP | Jumps Game | Facebook Amazon Microsoft Google | |
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