

## Dynamic Programming

You have solved **19 / 207** problems.

☐ Show problem tags


#	Title	Acceptance	Difficulty	Frequency ?
✓ 5	Longest Palindromic Substring (/problems/longest-palindromic-substring)	29.3%	Medium	
✓ 53	Maximum Subarray (/problems/maximum-subarray)	46.3%	Easy	
✓ 121	Best Time to Buy and Sell Stock (/problems/best-time-to-buy-and-sell-stock)	50.2%	Easy	
85	Maximal Rectangle (/problems/maximal-rectangle)	37.2%	Hard	
✓ 10	Regular Expression Matching (/problems/regular-expression-matching)	26.6%	Hard	
312	Burst Balloons (/problems/burst-balloons)	51.2%	Hard	
96	Unique Binary Search Trees (/problems/unique-binary-search-trees)	52.3%	Medium	
✓ 70	Climbing Stairs (/problems/climbing-stairs)	47.0%	Easy	
198	House Robber (/problems/house-robber)	41.9%	Easy	
✓ 139	Word Break (/problems/word-break)	39.6%	Medium	
✓ 72	Edit Distance (/problems/edit-distance)	44.2%	Hard	
152	Maximum Product Subarray (/problems/maximum-product-subarray)	31.4%	Medium	
1130	Minimum Cost Tree From Leaf Values (/problems/minimum-cost-tree-from-leaf-values)	65.7%	Medium	
338	Counting Bits (/problems/counting-bits)	69.2%	Medium	
✓ 279	Perfect Squares (/problems/perfect-squares)	46.9%	Medium	
120	Triangle (/problems/triangle)	43.7%	Medium	
64	Minimum Path Sum (/problems/minimum-path-sum)	53.9%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
309	Best Time to Buy and Sell Stock with Cooldown (/problems/best-time-to-buy-and-sell-stock-with-cooldown)	46.2%	Medium	
1025	Divisor Game (/problems/divisor-game)	66.1%	Easy	
32	Longest Valid Parentheses (/problems/longest-valid-parentheses)	28.1%	Hard	
95	Unique Binary Search Trees II (/problems/unique-binary-search-trees-ii)	40.1%	Medium	
357	Count Numbers with Unique Digits (/problems/count-numbers-with-unique-digits)	48.2%	Medium	
✓ 123	Best Time to Buy and Sell Stock III (/problems/best-time-to-buy-and-sell-stock-iii)	37.0%	Hard	
303	Range Sum Query - Immutable (/problems/range-sum-query-immutable)	44.0%	Easy	
62	Unique Paths (/problems/unique-paths)	53.6%	Medium	
413	Arithmetic Slices (/problems/arithmetic-slices)	57.7%	Medium	
647	Palindromic Substrings (/problems/palindromic-substrings)	60.2%	Medium	
✓ 140	Word Break II (/problems/word-break-ii)	31.3%	Hard	
221	Maximal Square (/problems/maximal-square)	37.4%	Medium	
91	Decode Ways (/problems/decode-ways)	24.4%	Medium	
✓ 97	Interleaving String (/problems/interleaving-string)	31.1%	Hard	
1140	Stone Game II (/problems/stone-game-ii)	62.7%	Medium	
115	Distinct Subsequences (/problems/distinct-subsequences)	37.8%	Hard	
322	Coin Change (/problems/coin-change)	35.0%	Medium	
264	Ugly Number II (/problems/ugly-number-ii)	39.7%	Medium	
375	Guess Number Higher or Lower II (/problems/guess-number-higher-or-lower-ii)	40.1%	Medium	
410	Split Array Largest Sum (/problems/split-array-largest-sum)	44.3%	Hard	

#	Title	Acceptance	Difficulty	Frequency ?
188	Best Time to Buy and Sell Stock IV (/problems/best-time-to-buy-and-sell-stock-iv)	27.8%	Hard	
87	Scramble String (/problems/scramble-string)	33.4%	Hard	
1240	Tiling a Rectangle with the Fewest Squares (/problems/tiling-a-rectangle-with-the-fewest-squares)	49.4%	Hard	
343	Integer Break (/problems/integer-break)	50.0%	Medium	
546	Remove Boxes (/problems/remove-boxes)	42.0%	Hard	
300	Longest Increasing Subsequence (/problems/longest-increasing-subsequence)	42.4%	Medium	
363	Max Sum of Rectangle No Larger Than K (/problems/max-sum-of-rectangle-no-larger-than-k)	37.1%	Hard	
730	Count Different Palindromic Subsequences (/problems/count-different-palindromic-subsequences)	41.6%	Hard	
877	Stone Game (/problems/stone-game)	64.3%	Medium	
698	Partition to K Equal Sum Subsets (/problems/partition-to-k-equal-sum-subsets)	44.9%	Medium	
746	Min Cost Climbing Stairs (/problems/min-cost-climbing-stairs)	50.0%	Easy	
741	Cherry Pickup (/problems/cherry-pickup)	33.7%	Hard	
516	Longest Palindromic Subsequence (/problems/longest-palindromic-subsequence)	52.5%	Medium	
354	Russian Doll Envelopes (/problems/russian-doll-envelopes)	35.4%	Hard	
1074	Number of Submatrices That Sum to Target (/problems/number-of-submatrices-that-sum-to-target)	59.3%	Hard	
1049	Last Stone Weight II (/problems/last-stone-weight-ii)	43.9%	Medium	
44	Wildcard Matching (/problems/wildcard-matching)	24.5%	Hard	
321	Create Maximum Number (/problems/create-maximum-number)	26.8%	Hard	
718	Maximum Length of Repeated Subarray (/problems/maximum-length-of-repeated-subarray)	49.0%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
1227	Airplane Seat Assignment Probability (/problems/airplane-seat-assignment-probability)	60.3%	Medium	
920	Number of Music Playlists (/problems/number-of-music-playlists)	46.4%	Hard	
847	Shortest Path Visiting All Nodes (/problems/shortest-path-visiting-all-nodes)	51.8%	Hard	
466	Count The Repetitions (/problems/count-the-repetitions)	28.2%	Hard	
983	Minimum Cost For Tickets (/problems/minimum-cost-for-tickets)	59.9%	Medium	
174	Dungeon Game (/problems/dungeon-game)	31.9%	Hard	
714	Best Time to Buy and Sell Stock with Transaction Fee (/problems/best-time-to-buy-and-sell-stock-with-transaction-fee)	54.1%	Medium	
✓ 132	Palindrome Partitioning II (/problems/palindrome-partitioning-ii)	30.0%	Hard	
403	Frog Jump (/problems/frog-jump)	39.4%	Hard	
304	Range Sum Query 2D - Immutable (/problems/range-sum-query-2d-immutable)	37.9%	Medium	
943	Find the Shortest Superstring (/problems/find-the-shortest-superstring)	42.6%	Hard	
1314	Matrix Block Sum (/problems/matrix-block-sum)	73.7%	Medium	
740	Delete and Earn (/problems/delete-and-earn)	48.4%	Medium	
956	Tallest Billboard (/problems/tallest-billboard)	39.7%	Hard	
638	Shopping Offers (/problems/shopping-offers)	51.2%	Medium	
1048	Longest String Chain (/problems/longest-string-chain)	54.3%	Medium	
256	Paint House (/problems/paint-house) 🏠	51.9%	Easy	
712	Minimum ASCII Delete Sum for Two Strings (/problems/minimum-ascii-delete-sum-for-two-strings)	58.3%	Medium	
646	Maximum Length of Pair Chain (/problems/maximum-length-of-pair-chain)	51.4%	Medium	




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887	Super Egg Drop (/problems/super-egg-drop)	27.0%	Hard	
1000	Minimum Cost to Merge Stones (/problems/minimum-cost-to-merge-stones)	39.5%	Hard	
975	Odd Even Jump (/problems/odd-even-jump)	42.6%	Hard	
903	Valid Permutations for DI Sequence (/problems/valid-permutations-for-di-sequence)	49.4%	Hard	
368	Largest Divisible Subset (/problems/largest-divisible-subset)	38.0%	Medium	
213	House Robber II (/problems/house-robber-ii)	36.3%	Medium	
813	Largest Sum of Averages (/problems/largest-sum-of-averages)	49.5%	Medium	
494	Target Sum (/problems/target-sum)	46.5%	Medium	
377	Combination Sum IV (/problems/combination-sum-iv)	45.1%	Medium	
416	Partition Equal Subset Sum (/problems/partition-equal-subset-sum)	43.3%	Medium	
1027	Longest Arithmetic Sequence (/problems/longest-arithmetic-sequence)	53.6%	Medium	
1105	Filling Bookcase Shelves (/problems/filling-bookcase-shelves)	58.3%	Medium	
464	Can I Win (/problems/can-i-win)	28.7%	Medium	
964	Least Operators to Express Number (/problems/least-operators-to-express-number)	43.4%	Hard	
689	Maximum Sum of 3 Non-Overlapping Subarrays (/problems/maximum-sum-of-3-non-overlapping-subarrays)	45.9%	Hard	
✓ 474	Ones and Zeroes (/problems/ones-and-zeroes)	42.5%	Medium	
935	Knight Dialer (/problems/knight-dialer)	44.8%	Medium	
276	Paint Fence (/problems/paint-fence) 🏠	38.1%	Easy	
664	Strange Printer (/problems/strange-printer)	39.9%	Hard	
688	Knight Probability in Chessboard (/problems/knight-probability-in-chessboard)	48.5%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
63	Unique Paths II (/problems/unique-paths-ii)	34.3%	Medium	
650	2 Keys Keyboard (/problems/2-keys-keyboard)	48.8%	Medium	
472	Concatenated Words (/problems/concatenated-words)	43.0%	Hard	
673	Number of Longest Increasing Subsequence (/problems/number-of-longest-increasing-subsequence)	35.5%	Medium	
486	Predict the Winner (/problems/predict-the-winner)	47.7%	Medium	
931	Minimum Falling Path Sum (/problems/minimum-falling-path-sum)	62.1%	Medium	
376	Wiggle Subsequence (/problems/wiggle-subsequence)	39.4%	Medium	
898	Bitwise ORs of Subarrays (/problems/bitwise-ors-of-subarrays)	35.2%	Medium	
1039	Minimum Score Triangulation of Polygon (/problems/minimum-score-triangulation-of-polygon)	48.4%	Medium	
361	Bomb Enemy (/problems/bomb-enemy) 	45.8%	Medium	
801	Minimum Swaps To Make Sequences Increasing (/problems/minimum-swaps-to-make-sequences-increasing)	38.7%	Medium	
1092	Shortest Common Supersequence (/problems/shortest-common-supersequence)	51.3%	Hard	
968	Binary Tree Cameras (/problems/binary-tree-cameras)	37.0%	Hard	
838	Push Dominoes (/problems/push-dominoes)	48.1%	Medium	
1397	Find All Good Strings (/problems/find-all-good-strings)	37.3%	Hard	
1235	Maximum Profit in Job Scheduling (/problems/maximum-profit-in-job-scheduling)	44.3%	Hard	
600	Non-negative Integers without Consecutive Ones (/problems/non-negative-integers-without-consecutive-ones)	33.8%	Hard	
392	Is Subsequence (/problems/is-subsequence)	49.0%	Easy	

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1402	Reducing Dishes (/problems/reducing-dishes)	73.0%	Hard	
✓ 552	Student Attendance Record II (/problems/student-attendance-record-ii)	36.4%	Hard	
837	New 21 Game (/problems/new-21-game)	34.3%	Medium	
351	Android Unlock Patterns (/problems/android-unlock-patterns) 🗝️	48.1%	Medium	
1024	Video Stitching (/problems/video-stitching)	48.9%	Medium	
1012	Numbers With Repeated Digits (/problems/numbers-with-repeated-digits)	37.4%	Hard	
517	Super Washing Machines (/problems/super-washing-machines)	38.1%	Hard	
1223	Dice Roll Simulation (/problems/dice-roll-simulation)	45.3%	Medium	
446	Arithmetic Slices II - Subsequence (/problems/arithmetic-slices-ii-subsequence)	32.5%	Hard	
818	Race Car (/problems/race-car)	38.6%	Hard	
467	Unique Substrings in Wraparound String (/problems/unique-substrings-in-wraparound-string)	35.4%	Medium	
629	K Inverse Pairs Array (/problems/k-inverse-pairs-array)	31.0%	Hard	
960	Delete Columns to Make Sorted III (/problems/delete-columns-to-make-sorted-iii)	53.4%	Hard	
873	Length of Longest Fibonacci Subsequence (/problems/length-of-longest-fibonacci-subsequence)	47.6%	Medium	
871	Minimum Number of Refueling Stops (/problems/minimum-number-of-refueling-stops)	31.1%	Hard	
982	Triples with Bitwise AND Equal To Zero (/problems/triples-with-bitwise-and-equal-to-zero)	55.8%	Hard	
523	Continuous Subarray Sum (/problems/continuous-subarray-sum)	24.5%	Medium	
1155	Number of Dice Rolls With Target Sum (/problems/number-of-dice-rolls-with-target-sum)	49.2%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
790	Domino and Tromino Tiling (/problems/domino-and-tromino-tiling)	38.9%	Medium	
978	Longest Turbulent Subarray (/problems/longest-turbulent-subarray)	46.4%	Medium	
1187	Make Array Strictly Increasing (/problems/make-array-strictly-increasing)	41.5%	Hard	
787	Cheapest Flights Within K Stops (/problems/cheapest-flights-within-k-stops)	39.2%	Medium	
✓ 808	Soup Servings (/problems/soup-servings)	39.6%	Medium	
691	Stickers to Spell Word (/problems/stickers-to-spell-word)	42.5%	Hard	
✓ 727	Minimum Window Subsequence (/problems/minimum-window-subsequence) 📌	41.4%	Hard	
1139	Largest 1-Bordered Square (/problems/largest-1-bordered-square)	46.9%	Medium	
1312	Minimum Insertion Steps to Make a String Palindrome (/problems/minimum-insertion-steps-to-make-a-string-palindrome)	57.3%	Hard	
1066	Campus Bikes II (/problems/campus-bikes-ii) 📌	54.2%	Medium	
1125	Smallest Sufficient Team (/problems/smallest-sufficient-team)	46.4%	Hard	
764	Largest Plus Sign (/problems/largest-plus-sign)	46.0%	Medium	
1277	Count Square Submatrices with All Ones (/problems/count-square-submatrices-with-all-ones)	72.9%	Medium	
418	Sentence Screen Fitting (/problems/sentence-screen-fitting) 📌	32.6%	Medium	
1320	Minimum Distance to Type a Word Using Two Fingers (/problems/minimum-distance-to-type-a-word-using-two-fingers)	61.6%	Hard	
514	Freedom Trail (/problems/freedom-trail)	42.7%	Hard	
1055	Shortest Way to Form String (/problems/shortest-way-to-form-string) 📌	56.9%	Medium	



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940	Distinct Subsequences II (/problems/distinct-subsequences-ii)	41.5%	Hard	
1326	Minimum Number of Taps to Open to Water a Garden (/problems/minimum-number-of-taps-to-open-to-water-a-garden)	42.8%	Hard	
1147	Longest Chunked Palindrome Decomposition (/problems/longest-chunked-palindrome-decomposition)	58.4%	Hard	
1246	Palindrome Removal (/problems/palindrome-removal) 	46.2%	Hard	
1478	Allocate Mailboxes (/problems/allocate-mailboxes)	54.9%	Hard	
1359	Count All Valid Pickup and Delivery Options (/problems/count-all-valid-pickup-and-delivery-options)	57.6%	Hard	
750	Number Of Corner Rectangles (/problems/number-of-corner-rectangles) 	66.3%	Medium	
1388	Pizza With 3n Slices (/problems/pizza-with-3n-slices)	44.5%	Hard	
1186	Maximum Subarray Sum with One Deletion (/problems/maximum-subarray-sum-with-one-deletion)	37.0%	Medium	
1434	Number of Ways to Wear Different Hats to Each Other (/problems/number-of-ways-to-wear-different-hats-to-each-other)	37.4%	Hard	
265	Paint House II (/problems/paint-house-ii) 	44.4%	Hard	
1278	Palindrome Partitioning III (/problems/palindrome-partitioning-iii)	59.6%	Hard	
1405	Longest Happy String (/problems/longest-happy-string)	47.3%	Medium	
1191	K-Concatenation Maximum Sum (/problems/k-concatenation-maximum-sum)	25.9%	Medium	
1473	Paint House III (/problems/paint-house-iii)	47.4%	Hard	
576	Out of Boundary Paths (/problems/out-of-boundary-paths)	34.7%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
879	Profitable Schemes (/problems/profitable-schemes)	39.5%	Hard	
1425	Constrained Subsequence Sum (/problems/constrained-subsequence-sum)	43.7%	Hard	
471	Encode String with Shortest Length (/problems/encode-string-with-shortest-length) 📌	46.8%	Hard	
1220	Count Vowels Permutation (/problems/count-vowels-permutation)	53.6%	Hard	
639	Decode Ways II (/problems/decode-ways-ii)	26.4%	Hard	
1143	Longest Common Subsequence (/problems/longest-common-subsequence)	58.3%	Medium	
1262	Greatest Sum Divisible by Three (/problems/greatest-sum-divisible-by-three)	47.2%	Medium	
1463	Cherry Pickup II (/problems/cherry-pickup-ii)	63.6%	Hard	
1349	Maximum Students Taking Exam (/problems/maximum-students-taking-exam)	40.4%	Hard	
967	Numbers With Same Consecutive Differences (/problems/numbers-with-same-consecutive-differences)	39.1%	Medium	
1420	Build Array Where You Can Find The Maximum Exactly K Comparisons (/problems/build-array-where-you-can-find-the-maximum-exactly-k-comparisons)	65.5%	Hard	
1340	Jump Game V (/problems/jump-game-v)	57.2%	Hard	
1335	Minimum Difficulty of a Job Schedule (/problems/minimum-difficulty-of-a-job-schedule)	57.0%	Hard	
651	4 Keys Keyboard (/problems/4-keys-keyboard) 📌	52.3%	Medium	
1269	Number of Ways to Stay in the Same Place After Some Steps (/problems/number-of-ways-to-stay-in-the-same-place-after-some-steps)	42.9%	Hard	
902	Numbers At Most N Given Digit Set (/problems/numbers-at-most-n-given-digit-set)	31.3%	Hard	
✓ 568	Maximum Vacation Days (/problems/maximum-vacation-days) 📌	40.6%	Hard	

#	Title	Acceptance	Difficulty	Frequency ?
1444	Number of Ways of Cutting a Pizza (/problems/number-of-ways-of-cutting-a-pizza)	52.2%	Hard	
1289	Minimum Falling Path Sum II (/problems/minimum-falling-path-sum-ii)	60.7%	Hard	
1273	Delete Tree Nodes (/problems/delete-tree-nodes) 🔒	63.5%	Medium	
1449	Form Largest Integer With Digits That Add up to Target (/problems/form-largest-integer-with-digits-that-add-up-to-target)	41.0%	Hard	
1136	Parallel Courses (/problems/parallel-courses) 🔒	61.0%	Hard	
1058	Minimize Rounding Error to Meet Target (/problems/minimize-rounding-error-to-meet-target) 🔒	41.7%	Medium	
1373	Maximum Sum BST in Binary Tree (/problems/maximum-sum-bst-in-binary-tree)	41.5%	Hard	
1406	Stone Game III (/problems/stone-game-iii)	55.7%	Hard	
1477	Find Two Non-overlapping Sub-arrays Each With Target Sum (/problems/find-two-non-overlapping-sub-arrays-each-with-target-sum)	26.8%	Medium	
1411	Number of Ways to Paint N × 3 Grid (/problems/number-of-ways-to-paint-n-3-grid)	61.6%	Hard	
1423	Maximum Points You Can Obtain from Cards (/problems/maximum-points-you-can-obtain-from-cards)	40.3%	Medium	
1339	Maximum Product of Splitted Binary Tree (/problems/maximum-product-of-splitted-binary-tree)	36.9%	Medium	
1216	Valid Palindrome III (/problems/valid-palindrome-iii) 🔒	47.5%	Hard	
1301	Number of Paths with Max Score (/problems/number-of-paths-with-max-score)	37.1%	Hard	
✓ 1199	Minimum Time to Build Blocks (/problems/minimum-time-to-build-blocks) 🔒	37.1%	Hard	
1372	Longest ZigZag Path in a Binary Tree (/problems/longest-zigzag-path-in-a-binary-tree)	53.5%	Medium	

#	Title	Acceptance	Difficulty	Frequency ?
1230	Toss Strange Coins (/problems/toss-strange-coins) 🔒	48.0%	Medium	
1367	Linked List in Binary Tree (/problems/linked-list-in-binary-tree)	39.3%	Medium	
1218	Longest Arithmetic Subsequence of Given Difference (/problems/longest-arithmetic-subsequence-of-given-difference)	43.8%	Medium	
1416	Restore The Array (/problems/restore-the-array)	36.2%	Hard	
✓ 656	Coin Path (/problems/coin-path) 🔒	28.8%	Hard	
1458	Max Dot Product of Two Subsequences (/problems/max-dot-product-of-two-subsequences)	41.4%	Hard	
1483	Kth Ancestor of a Tree Node (/problems/kth-ancestor-of-a-tree-node)	26.3%	Hard	
1067	Digit Count in Range (/problems/digit-count-in-range) 🔒	39.4%	Hard	
1363	Largest Multiple of Three (/problems/largest-multiple-of-three)	33.2%	Hard	
1259	Handshakes That Don't Cross (/problems/handshakes-that-dont-cross) 🔒	53.2%	Hard	

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