


TOP DP PROBLEM ON LEETCODE [PART-1]

 @himanshu_shekhar16

Linear DP

<https://leetcode.com/problems/climbing-stairs/>
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock/>
<https://leetcode.com/problems/min-cost-climbing-stairs/>
<https://leetcode.com/problems/divisor-game/>
<https://leetcode.com/problems/decode-ways/>
<https://leetcode.com/problems/unique-binary-search-trees/>
<https://leetcode.com/problems/house-robber/>
<https://leetcode.com/problems/perfect-squares/>
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-cooldown/>
<https://leetcode.com/problems/coin-change/>
<https://leetcode.com/problems/counting-bits/>
<https://leetcode.com/problems/integer-break/>
<https://leetcode.com/problems/count-numbers-with-unique-digits/>
<https://leetcode.com/problems/wiggle-subsequence/>
<https://leetcode.com/problems/partition-equal-subset-sum/>
<https://leetcode.com/problems/maximum-length-of-pair-chain/>
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-transaction-fee/>
<https://leetcode.com/problems/delete-and-earn/>
<https://leetcode.com/problems/domino-and-tromino-tiling/>
<https://leetcode.com/problems/knight-dialer/>
<https://leetcode.com/problems/minimum-cost-for-tickets/>
<https://leetcode.com/problems/partition-array-for-maximum-sum/>
<https://leetcode.com/problems/filling-bookcase-shelves/>
<https://leetcode.com/problems/longest-arithmetic-subsequence-of-given-difference/>
<https://leetcode.com/problems/greatest-sum-divisible-by-three/>
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iii/>
<https://leetcode.com/problems/student-attendance-record-ii/>
<https://leetcode.com/problems/decode-ways-ii/>
<https://leetcode.com/problems/triples-with-bitwise-and-equal-to-zero/>
<https://leetcode.com/problems/maximum-profit-in-job-scheduling/>
<https://leetcode.com/problems/minimum-number-of-taps-to-open-to-water-a-garden/>
<https://leetcode.com/problems/count-all-valid-pickup-and-delivery-options/>
<https://leetcode.com/problems/stone-game-iii/>
<https://leetcode.com/problems/restore-the-array/>
<https://leetcode.com/problems/form-largest-integer-with-digits-that-add-up-to-target/>
<https://leetcode.com/problems/stone-game-iv/>
<https://leetcode.com/problems/coin-change-2/>

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Knapsack

<https://leetcode.com/problems/house-robber-ii/>
<https://leetcode.com/problems/ones-and-zeroes/>
<https://leetcode.com/problems/target-sum/>
<https://leetcode.com/problems/shopping-offers/>
<https://leetcode.com/problems/2-keys-keyboard/>
<https://leetcode.com/problems/minimum-swaps-to-make-sequences-increasing/>
<https://leetcode.com/problems/best-team-with-no-conflicts/>
<https://leetcode.com/problems/profitable-schemes/>
<https://leetcode.com/problems/tallest-billboard/>
<https://leetcode.com/problems/pizza-with-3n-slices/>
<https://leetcode.com/problems/reducing-dishes/>

Multi Dimensions DP

<https://leetcode.com/problems/triangle/>
<https://leetcode.com/problems/combination-sum-iv/>
<https://leetcode.com/problems/out-of-boundary-paths/>
<https://leetcode.com/problems/knight-probability-in-chessboard/>
<https://leetcode.com/problems/champagne-tower/>
<https://leetcode.com/problems/largest-sum-of-averages/>
<https://leetcode.com/problems/minimum-falling-path-sum/>
<https://leetcode.com/problems/video-stitching/>
<https://leetcode.com/problems/longest-arithmetic-subsequence/>
<https://leetcode.com/problems/stone-game-ii/>
<https://leetcode.com/problems/number-of-dice-rolls-with-target-sum/>
<https://leetcode.com/problems/dice-roll-simulation/>
<https://leetcode.com/problems/number-of-sets-of-k-non-overlapping-line-segments/>
<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv/>
<https://leetcode.com/problems/create-maximum-number/>
<https://leetcode.com/problems/frog-jump/>
<https://leetcode.com/problems/split-array-largest-sum/>
<https://leetcode.com/problems/freedom-trail/>
<https://leetcode.com/problems/minimum-number-of-refueling-stops/>
<https://leetcode.com/problems/number-of-music-playlists/>
<https://leetcode.com/problems/count-vowels-permutation/>
<https://leetcode.com/problems/minimum-falling-path-sum-ii/>
<https://leetcode.com/problems/minimum-distance-to-type-a-word-using-two-fingers/>
<https://leetcode.com/problems/minimum-difficulty-of-a-job-schedule/>
<https://leetcode.com/problems/number-of-ways-to-paint-n-3-grid/>
<https://leetcode.com/problems/build-array-where-you-can-find-the-maximum-exactly-k-comparisons/>
<https://leetcode.com/problems/number-of-ways-of-cutting-a-pizza/>
<https://leetcode.com/problems/paint-house-iii/>
<https://leetcode.com/problems/count-all-possible-routes/>



Interval DP

<https://leetcode.com/problems/guess-number-higher-or-lower-ii/>
<https://leetcode.com/problems/arithmetic-slices/>
<https://leetcode.com/problems/predict-the-winner/>
<https://leetcode.com/problems/palindromic-substrings/>
<https://leetcode.com/problems/stone-game/>
<https://leetcode.com/problems/minimum-score-triangulation-of-polygon/>
<https://leetcode.com/problems/last-stone-weight-ii/>
<https://leetcode.com/problems/minimum-cost-tree-from-leaf-values/>
<https://leetcode.com/problems/stone-game-vii/>
<https://leetcode.com/problems/burst-balloons/>
<https://leetcode.com/problems/remove-boxes/>
<https://leetcode.com/problems/strange-printer/>
<https://leetcode.com/problems/valid-permutations-for-di-sequence/>
<https://leetcode.com/problems/minimum-cost-to-merge-stones/>
<https://leetcode.com/problems/allocate-mailboxes/>
<https://leetcode.com/problems/minimum-cost-to-cut-a-stick/>
<https://leetcode.com/problems/stone-game-v/>

Bit DP

<https://leetcode.com/problems/can-i-win/>
<https://leetcode.com/problems/partition-to-k-equal-sum-subsets/>
<https://leetcode.com/problems/stickers-to-spell-word/>
<https://leetcode.com/problems/shortest-path-visiting-all-nodes/>
<https://leetcode.com/problems/smallest-sufficient-team/>
<https://leetcode.com/problems/maximum-students-taking-exam/>
<https://leetcode.com/problems/number-of-ways-to-wear-different-hats-to-each-other/>
<https://leetcode.com/problems/minimum-cost-to-connect-two-groups-of-points/>
<https://leetcode.com/problems/maximum-number-of-achievable-transfer-requests/>
<https://leetcode.com/problems/distribute-repeating-integers/>
<https://leetcode.com/problems/maximize-grid-happiness/>
<https://leetcode.com/problems/find-minimum-time-to-finish-all-jobs/>

Digit DP

<https://leetcode.com/problems/non-negative-integers-without-consecutive-ones/>
<https://leetcode.com/problems/numbers-at-most-n-given-digit-set/>
<https://leetcode.com/problems/numbers-with-repeated-digits/>

Probability DP

<https://leetcode.com/problems/soup-servings/>
<https://leetcode.com/problems/new-21-game/>
<https://leetcode.com/problems/airplane-seat-assignment-probability/>

DP + Alpha (Tricks/DS)

<https://leetcode.com/problems/arithmetic-slices-ii-subsequence/>

<https://leetcode.com/problems/odd-even-jump/>

<https://leetcode.com/problems/constrained-subsequence-sum/>

<https://leetcode.com/problems/delivering-boxes-from-storage-to-ports/>

Feel Free to connect with me –

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