**Probleme folosind tehnicile de programare Greedy, Programare Dinamică, Backtracking, Divide et Impera**

* **Greedy:**

1. [Egyptian Fraction](https://www.geeksforgeeks.org/greedy-algorithm-egyptian-fraction/)
2. [Policemen catch thieves](https://www.geeksforgeeks.org/policemen-catch-thieves/)
3. [Fitting Shelves Problem](https://www.geeksforgeeks.org/fitting-shelves-problem/)
4. [Minimum Swaps for Bracket Balancing](https://www.geeksforgeeks.org/minimum-swaps-bracket-balancing/)
5. [Assign Mice to Holes](https://www.geeksforgeeks.org/assign-mice-holes/)
6. [Minimum product subset of an array](https://www.geeksforgeeks.org/minimum-product-subset-array/)
7. [Maximum product subset of an array](https://www.geeksforgeeks.org/maximum-product-subset-array/)
8. [Maximize array sum after K negations](https://www.geeksforgeeks.org/maximize-array-sun-after-k-negation-operations/)
9. [Maximize Array sum after incrementing at most K elements followed by dividing array by X](https://www.geeksforgeeks.org/maximize-array-sum-after-incrementing-at-most-k-elements-followed-by-dividing-array-by-x/?ref=rp)
10. [Maximise product of each array element with their indices by rearrangement](https://www.geeksforgeeks.org/maximize-sum-arrii/)
11. [Aprindere](https://www.infoarena.ro/problema/aprindere)
12. [Reactivi](https://www.infoarena.ro/problema/reactivi)
13. [Int](https://www.infoarena.ro/problema/int)
14. [Bleach](https://www.infoarena.ro/problema/bleach)
15. [Livada](https://www.infoarena.ro/problema/livada)

* **Backtracking:**

1. [Sudoku](https://www.geeksforgeeks.org/sudoku-backtracking-7/)
2. [N-Queens Problem](https://www.geeksforgeeks.org/n-queen-problem-backtracking-3/)
3. [Tug of War](https://www.geeksforgeeks.org/tug-of-war/)
4. [Combinatorial Sum](https://www.geeksforgeeks.org/combinational-sum/)
5. [Combinari](https://www.infoarena.ro/problema/combinari)
6. [Submultimi](https://www.infoarena.ro/problema/submultimi)
7. [Flip](https://www.infoarena.ro/problema/flip)

* **Divide et Impera:**

1. [Merge Sort](https://www.geeksforgeeks.org/merge-sort/)
2. [Quick Sort](https://www.geeksforgeeks.org/quick-sort/)
3. [Closest Pair of Points](https://www.geeksforgeeks.org/closest-pair-of-points-using-divide-and-conquer-algorithm/) sau [Cele mai apropiate puncte din plan](https://www.infoarena.ro/problema/cmap)
4. [Count inversions](https://www.geeksforgeeks.org/inversion-count-in-array-using-merge-sort/)
5. [Maximum subarray sum](https://www.geeksforgeeks.org/maximum-subarray-sum-using-divide-and-conquer-algorithm/)
6. [Majority Element in a sorted array](https://www.geeksforgeeks.org/check-for-majority-element-in-a-sorted-array/)
7. [Numbers whose factorials end with n zeros](https://www.geeksforgeeks.org/numbers-whose-factorials-end-with-n-zeros/)
8. [Count number of occurrences (or frequency) in a sorted array](https://www.geeksforgeeks.org/count-number-of-occurrences-or-frequency-in-a-sorted-array/)

* **Programare dinamică:**

1. [Custi](https://infoarena.ro/problema/custi)
2. [Subset Sum Problem](https://www.geeksforgeeks.org/subset-sum-problem-dp-25/)
3. [Painting Fence Problem](https://www.geeksforgeeks.org/painting-fence-algorithm/)
4. [Unbounded Knapsack Problem](https://www.geeksforgeeks.org/unbounded-knapsack-repetition-items-allowed/)
5. [Longest Palindromic Subsequence](https://www.geeksforgeeks.org/longest-palindromic-subsequence-dp-12/)
6. [Joctv](https://www.infoarena.ro/problema/joctv)
7. [Redu](https://www.infoarena.ro/problema/redu)