



# *Greedy Problems:*

- Activity Selection Problem  
[<https://practice.geeksforgeeks.org/problems/n-meetings-in-one-room/0> ]
- Job Sequencing Problem  
[<https://practice.geeksforgeeks.org/problems/job-sequencing-problem/0> ]



## Huffman Coding

[<https://practice.geeksforgeeks.org/problems/huffman-encoding/0> ]

- Water Connection Problem  
[<https://practice.geeksforgeeks.org/problems/water-connection-problem/0> ]
- Minimum Swaps for Bracket Balancing  
[<https://practice.geeksforgeeks.org/problems/minimum-swaps-for-bracket-balancing/0> ]
- Fitting Shelves Problem  
[<https://www.geeksforgeeks.org/fitting-shelves-problem/> ]
- Minimum cost to connect all cities  
[<https://www.geeksforgeeks.org/minimum-cost-connect-cities/> ]

- Max Flow Problem Introduction  
[ <https://www.geeksforgeeks.org/max-flow-problem-introduction/> ]
- Maximum product subset of an array  
[<https://www.geeksforgeeks.org/maximum-product-subset-array/> ]
- Maximize array sum after K negations  
[<https://practice.geeksforgeeks.org/problems/maximize-sum-after-k-negations/0>]
- Maximize the sum of  $\text{arr}[i] * i$   
[<https://practice.geeksforgeeks.org/problems/maximize-arr-i-of-an-array/0>]
- Maximum sum of absolute difference of an array  
[<https://www.geeksforgeeks.org/maximum-sum-absolute-difference-array/>]
- Maximize sum of consecutive differences in a circular array  
[<https://practice.geeksforgeeks.org/problems/swap-and-maximize/0>]
- Minimum sum of absolute difference of pairs of two arrays  
[<https://www.geeksforgeeks.org/minimum-sum-absolute-difference-pairs-two-arrays/>]

- Array element moved by k using single moves  
[<https://www.geeksforgeeks.org/array-element-moved-k-using-single-moves/>]

- Program for Shortest Job First (or SJF) CPU Scheduling  
[<https://www.geeksforgeeks.org/program-for-shortest-job-first-or-sjf-cpu-scheduling-set-1-non-preemptive/>]


- Program for Least Recently Used (LRU) Page Replacement algorithm  
[<https://practice.geeksforgeeks.org/problems/page-faults-in-lru/0>]

- Set Cover Problem  
[<https://www.geeksforgeeks.org/set-cover-problem-set-1-greedy-approximate-algorithm/>]

- Graph Coloring Problem  
[<https://www.geeksforgeeks.org/graph-coloring-set-2-greedy-algorithm/>]

- Fractional Knapsack Problem  
[<https://practice.geeksforgeeks.org/problems/fractional-knapsack/0>]

- Greedy Algorithm to find Minimum number of Coins  
[<https://practice.geeksforgeeks.org/problems/coin-piles/0>]

- Maximum trains for which stoppage can be provided  
[<https://www.geeksforgeeks.org/maximum-trains-stoppage-can-provided/>]
- Buy Maximum Stocks if i stocks can be bought on i-th day  
[<https://www.geeksforgeeks.org/buy-maximum-stocks-stocks-can-bought-th-day/>]
- Find the minimum and maximum amount to buy all N candies  
[<https://practice.geeksforgeeks.org/problems/shop-in-candy-store/0>]
-  Minimize Cash Flow among a given set of friends who have borrowed money from each other  
[<https://www.geeksforgeeks.org/minimize-cash-flow-among-given-set-friends-borrowed-money/>]
- Minimum Cost to cut a board into squares  
[<https://www.geeksforgeeks.org/minimum-cost-cut-board-squares/>]
- Check if it is possible to survive on Island  
[<https://www.geeksforgeeks.org/survival/>]
- Smallest subset with sum greater than all other elements  
[<https://www.geeksforgeeks.org/smallest-subset-sum-greater-elements/>]

- Chocolate Distribution Problem  
[<https://practice.geeksforgeeks.org/problems/left-out-candies/0>]
- DEFKIN - Defense of a Kingdom  
[<https://www.spoj.com/problems/DEFKIN/>]
- DIEHARD - DIE HARD  
[<https://www.spoj.com/problems/DIEHARD/>]
- GERGOVIA - Wine trading in Gergovia  
[<https://www.spoj.com/problems/GERGOVIA/>]
- Picking Up Chicks  
[<https://www.spoj.com/problems/GCJ101BB/>]
- CHOCOLA – Chocolate  
[<https://www.spoj.com/problems/CHOCOLA/>]
- ARRANGE - Arranging Amplifiers  
[<https://www.spoj.com/problems/ARRANGE/>]
- K Centers Problem  
[<https://www.geeksforgeeks.org/k-centers-problem-set-1-greedy-approximate-algorithm/>]
- Minimum Cost of ropes  
[<https://practice.geeksforgeeks.org/problems/minimum-cost-of-ropes/0>]
- Prim's Minimum Spanning Tree (MST)

[\[https://www.geeksforgeeks.org/prims-minimum-spanning-tree-mst-greedy-algo-5/\]](https://www.geeksforgeeks.org/prims-minimum-spanning-tree-mst-greedy-algo-5/)

- Minimum Platforms Problem

[\[https://practice.geeksforgeeks.org/problems/minimum-platforms/0\]](https://practice.geeksforgeeks.org/problems/minimum-platforms/0)



- Efficient Huffman Coding for Sorted Input

[\[https://www.geeksforgeeks.org/efficient-huffman-coding-for-sorted-input-greedy-algo-4/\]](https://www.geeksforgeeks.org/efficient-huffman-coding-for-sorted-input-greedy-algo-4/)

- Prim's MST for Adjacency List Representation

[\[https://www.geeksforgeeks.org/prims-mst-for-adjacency-list-representation-greedy-algo-6/\]](https://www.geeksforgeeks.org/prims-mst-for-adjacency-list-representation-greedy-algo-6/)

- Kruskal's Minimum Spanning Tree Algorithm

[\[https://www.geeksforgeeks.org/kruskals-minimum-spanning-tree-algorithm-greedy-algo-2/\]](https://www.geeksforgeeks.org/kruskals-minimum-spanning-tree-algorithm-greedy-algo-2/)