

Digital Assignment

MCSE-502L

1. Write the Brute force algorithm to string matching
2. Give the General Plan for Divide and Conquer Algorithms
3. Explain in detail about Knapsack Problem.
4. What is the convex hull problem? Explain the brute force approach to solve convex-hull with an example. Derive time complexity.
5. What does dynamic programming have in common with divide-and-Conquer
6. Define the Capacity Constraint in the context of the Maximum flow problem.
7. What is a residual network in the context of flow networks
8. Explain the KMP algorithm by taking one sample graph.
9. Explain the Rabin-Karp Algorithm by taking one sample graph.