

Assignments -VI

1. Write a program to solve the matrix chain multiplication problem with recursion and without dynamic programming.
2. Write a program to solve the matrix chain multiplication problem with top-down dynamic programming.
3. Write a program to solve the matrix chain multiplication problem with bottom-up dynamic programming. Extend this program to store additional information to reconstruct the optimal solution. Now, write a program to print the optimal solution from this information.
4. Write a program to solve the activity-selection problem with recursion and without dynamic programming.
5. Write a program to solve the activity-selection problem with top-down dynamic programming.
6. Write a program to solve the activity-selection problem with bottom-up dynamic programming.