22/11/22 Name: Surgi Praklagh Nair UCID: 2021570037

Subject: Design and Analysis of Algorithm

Exp3: To implement dyramic algorithm - I

Mat 800 Chain multiplication is an optimization problem Concerning the mast efficient way to multiply 'a given sequence of metrices. Given a sequence of previous matrix, find the best association such that the right is obtained with minimum number of operations

Functions used: -

- (1) Solve DP() -> Used to popular the matrix of multiplications and Paranthesization matrix
- @ point matrix() -> To print matrix of optimal Solution
- (3) point Parenthe Si Letion Nedrik () -> To print pareathesization notsix.

Condusion: -

Dynamic programming technique was used to solve the problem of matrix chain multiplication