Note: You may implement using C or C++

1. Design an algorithm and implement matrix chain multiplication problem using dynamic programming approach.

2. Implement N-Queens problem using backtracking technique.

3. Design an algorithm using Naïve approach to check whether given pattern P is plagiarized in given Text T.

4. Implement Rabin Karp algorithm to check whether given pattern P is plagiarized in given Text T.

5. Implement KMP algorithm to check whether given pattern P is plagiarized in given Text T.