AI Expt 4 Postlab

1. How to overcome combinatorial explosion in TSP?

Ans:- To overcome combinatorial explosion in the Travelling Salesman Problem, heuristic algorithms like Genetic Algorithms or Ant Colony Optimization can be used to efficiently explore the solution space and find near optimal solutions. Additionally problem decomposition techniques such as dividing the cities into clusters and solving smaller subproblems can reduce the complexity of the overall problem.

2. What is learning from travelling salesperson problem?

Ans:- Learning from the Travelling Salesperson Problem involves using past experiences or solutions to improve future solutions. This can include learning problem-specific insights from previous instances as well as adapting algorithmic strategies based on the performance of past solutions.