

CompSci 367/761 ASSIGNMENT 2: TRAVELLING SALESPERSON
PROBLEM (TSP) : FINDING OPTIMAL TOUR
Phase 3: Optimal Solution wrapper

1 Introduction

The file `optimalSolution.pl` contains the `optimalSolution(+StartCity, +Road-Network, -OptimalCost, -Solution)` predicate, which uses the `solution/4` predicate, that you have written, to find an optimal solution to the given start city/road network combination. You can use this wrapper predicate to test out whether the optimal solution is among the solutions that your `solution/4` predicate can find. It doesn't really affect your assignment at all as you are simply asked to write prolog code to find solutions (i.e., the `solution/4` code).

It has mainly been provided because the normal goal of travelling salesman problems is to find the minimal path. This wrapper allows your code to be used to solve this problem.