Computer Science and Engineering Department

Artificial Intelligence (UCS-411)

Lab Assignment-2

Write a code in python for the 8 puzzle problem by taking the following initial and final states 1 Initial State Goal State 8 3 4 4 5 5 6 Given two jugs- a 4 liter and 3 liter capacity. Neither has any measurable markers on it. There 2 is a pump which can be used to fill the jugs with water. Simulate the procedure in Python to get exactly 2 liter of water into 4-liter jug Write a Python program to implement Travelling Salesman Problem (TSP). Take the starting 3 node from the user at run time. 20