# Artificial Intelligence for Robotics - Assignment 07

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For this assignment, you can work in a team of two. Each one in the team should be able to present all submitted material.

1. Travelling Salesman Problem [1]

   - In LEA you will find a text file that contains the latitude and longitude coordinates of some world cities.
   - Using **random-restart hill climbing**, solve/implement the Traveling Salesman Problem for these cities (Find the cycle that covers all cities with the minimum cycle cost).
   - You can assume linear distance between cities, and that all cities are connected.
   - Discuss and comment on the performance of this algorithm.

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[1] http://en.wikipedia.org/wiki/Travelling_salesman_problem