

Faculty of Computer Science, IBA, Karachi
CSE307 –Artificial Intelligence (Spring'2012)

Assignment # 1

Submission Date: 29th Feb' 2012

Given a current and a destination city, you are required to implement the following three search techniques to identify the shortest path between two cities.

- breadth-first search
- depth-first search
- A* search

The following information is available to your program:

- List of cities
- The road network specifying the cities that are connected to each other with their respective distances
- Aerial distance of every two cities

It is your choice to hard-code this information in your program or read it from an external file but your program logic MUST NOT be dependent on a particular dataset.