Artificial Intelligence 1 (3BA2)
Practical 5, Michaelmas Term Lecture Week 6
November 15, 2004

Heuristic Search

Devise a representation of a set of towns (and possibly other, intermediate, nodes), their coordinates and the roads that connect them directly. The road information should only relate to towns or nodes that are directly connected. Write a Prolog program to implement A* Search to find short paths between any two towns. Can you guarantee that the parts found are actually the shortest? How?