

UNIVERSITY OF MINNESOTA
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

5511

ARTIFICIAL INTELLIGENCE I

FALL 2018

EXTRA CREDIT 3 (1.5 Points)
Assigned: 11/20/18 Due: 12/11/18

The extra credit consists of the following problems:

- Write some Lisp code (*8queens*) that implements an informed search and has as an argument eight queens randomly placed on a board and returns a list that consists of the same queens in locations that they do not threaten each other. Pick an admissible heuristic of your choice.

For the assignment, your program should print out the input configuration, the number of nodes expanded, and the final solution.

Please do not copy or modify code from others or the web. You need to submit: **a hardcopy (code, script, report)**. You must also satisfy the following guidelines: Please hand in a report that contains a Title Page (including your name, login, ID number, class number and/or name, the professor's name, the assignment number and/or name, location and name of the files, a Program Implementation Description, Known Bugs and Deficiencies, Style Guidelines, and Heuristic used in your search. You should work on this assignment individually and not in groups.