Assignment 2

Due: Wed Feb 28 at 11:59 pm

Help Sessions:
• Are they useful?
• Do you need one on Tues, Feb 27?

Other feedback?
Midterm

** Watch the web page under “Tests” Tab

**Mon Mar 5:** Midterm review in class  
**Wed Mar 7:** Midterm (class time but at Exam Centre)

You must write the test with the section of CSC384 you're registered in.

**Wednesday, March 7, 2018**

**LEC 0101, LEC 2001:**  
13:00 - 14:00 (i.e., 1:00 - 2:00 PM) Test starts at 13:10. **Room EX 100**

**LEC 0201, LEC 2201:**  
15:00 - 16:00 (i.e., 3:00 - 4:00 PM) Test starts at 15:10. **Room EX 200**

Exam Centre (EX) is located at 255 McCaul Street, just south of College St.
Midterm

• 50 minutes in duration
• no aids permitted
• worth 15% of your course grade

The term test will cover all the material that appears in our lecture slides and other posted material from the beginning of the year, as well as any other material covered in class up to the end of "Constraint Satisfaction Problems". I.e., the test will cover the following topics:
• Uninformed and Heuristic Search
• Game Tree Search
• Constraint Satisfaction Problems

KR is not on the midterm

Extra Help Sessions/Office hours will be scheduled for Monday/Tuesday.
KR Materials

• Some examples of how to write English statements in First Order Logic are posted on our web page.
• I’ll be adding more examples as we go through other material
Resolution Proofs Example KB

Want to prove \texttt{likes(clyde,peanuts)} from:

\begin{align*}
\text{elephant(clyde)} \lor \text{giraffe(clyde)} & \quad [1'] \\
\text{elephant(clyde)} \Rightarrow \text{likes(clyde,peanuts)} & \quad [2'] \\
\text{giraffe(clyde)} \Rightarrow \text{likes(clyde,leaves)} & \quad [3'] \\
\neg \text{likes(clyde,leaves)} & \quad [4']
\end{align*}

Or equivalently from:

\begin{align*}
(\text{elephant(clyde)}, \text{giraffe(clyde)}) & \quad [1] \\
(\neg \text{elephant(clyde)}, \text{likes(clyde,peanuts)}) & \quad [2] \\
(\neg \text{giraffe(clyde)}, \text{likes(clyde,leaves)}) & \quad [3] \\
\neg \text{likes(clyde,leaves)} & \quad [4]
\end{align*}