

## CS520 Assignment VI

Due: May 1, 2006 (can accept up to date of final)

### 1. Part I

Pick an example of your own. You should have at least two facts and a minimum of 3 rules. If you can't think of something you may use the Colonel West problem from the text. But it will be more interesting if you pick your own example. At least one rule must feed its output into another rule.

- (a) Prove a fact from your example using backwards chaining in Prolog. Turn in your code and a sample session.
- (b) Prove a fact using forward chaining in Jess. Hand in your code and a sample session. (Only works on cslab)

### 2. Part II

From *Learn Prolog Now!* by Blackburn, Bos, and Striegnitz.

- (a) Exercise 4.2 Page 65.
- (b) Exercise 4.3 Page 66.