

HOMEWORK ASSIGNMENT 8A**OPTIONAL**

Note that this material will be on the final!

We are not assigning section 4.4.4, which discusses the implementation of the query system in detail. Feel free to read it just for interest; besides deepening your understanding of logic programming, it provides an example of using streams in a large project.

Exercises 4.56, 4.57, 4.58, 4.65

For all problems that involve writing queries or rules, test your solutions. To run the query system and load in the sample data:

```
scm
(load "~cs61a/lib/query.scm")
(initialize-data-base microshaft-data-base)
(query-driver-loop)
```

You're now in the query system's interpreter. To add an assertion:

```
(assert! (foo bar))
```

To add a rule:

```
(assert! (rule (foo) (bar)))
```

Anything else is a query.