

Mutual Recursion: Web pages

CMSC 11500

Introduction to Computer Programming

November 25, 2002

Roadmap

- Recap: The Evaluator
- Mutual Recursion:
 - Definitions relying on other definitions
 - Example: Web pages
 - Data definitions
 - Example functions: count, find, ...

Recap: The Evaluator

- Evaluate scheme code using scheme code
- Subset of scheme: Numeric expressions & functs
 - Function definitions
- Data definitions: s-exp & s-def
- An s-exp is:
 - 1) number
 - 2) symbol
 - 3) (make-add s-exp s-exp)
 - 4) (make-mul s-exp s-exp)
 - 5) (make-app name s-exp)