Exam Review

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What Is Emphasized?

- Design recipe (with minimal testing)
- Programming with functions. Using map. Practive writing functions using map. Example: cons-all
- Functional abstraction. Writing map, fold (called foldr) in Scheme library. How we get fold from the structural recursion template for lists?
What Is Mentioned

- Hand evaluation.
- Conversion to tail-recursive form.

Examples:
  - Simple (semantics preserving): prod
  - Simple (semantics compromising): rev-map
  - Complex (semantics preserving): flatten
What Is Peripheral But Useful

• Simulating deferred call-by-name using deferred evaluation. (Extra credit.)
  • Example: simulating Scheme and
For Next Class

- Homework due Monday

- Reading:
  - Review for coming exam which will be distributed on Friday.