


Exercise 4.32.

Give some examples that illustrate the difference between the streams of chapter 3 and the “lazier” lazy lists described in this section. How can you take advantage of this extra laziness?

Answer.

A obvious example to illustrate the difference between the streams of chapter 3 and the “lazier” lazy lists described in this section would be the implementation of `car`. In chapter 3, `car` is a primitive procedure and is not lazy, but in this section it is implemented to be thoroughly lazy. This extra laziness can be of essentials when we want to extend our evaluator to handle hierarchical data of infinite depth. For example, an utterly lazy tree of infinitely deep.

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