

The background of the slide is a photograph of a tree trunk. The bark is dark brown and deeply furrowed. A prominent, vertical, white, lichen-like growth covers a significant portion of the trunk, extending from the bottom towards the top. The growth has a textured, somewhat crystalline appearance. The surrounding environment is out of focus, showing bare tree branches and a pale sky.

# Lecture 31: Types of Types

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# Menu

- Using Laziness
- Evidence of Laziness? (Quiz Results)
- Laziness through Truthiness (Static Type Checking)

# Lazy Evaluation Recap

- Don't evaluate expressions until their value is really needed
  - We might save work this way, since sometimes we don't need the value of an expression
  - We might change the meaning of some expressions, since the order of evaluation matters
- Change the Evaluation rule for Application
- Use thunks to delay evaluations