Control Flow

- Q: how to specify minimal control-flow constructs?

- recursive functions

- `if—then—else—endif`

  - subsumed by `switch`

- what else?

- philosophy — include only the bare minimum, not the kitchen sink

  - use PEG (etc.) to provide syntax skins over bare minimum syntax and to produce different views

Everything is a Function

- Everything is an expression, everything is a function

- "everything is a function returning a value" makes automation easy

  - transpiler simply bolts functions together

  - essence of *currying*

  - toolbox language should support functions efficiently

  - "syntax" is just a combination of functions bolted together in various ways

  - example: if-then-else-endif is a function (like in Lisp, Smalltalk, etc.) always returning a value

- compiler technology knows how to inline functions

  - no added cost in making everything a function

- Lisp macros are a step in this direction