

Abstract Syntax

concrete

`<while> ::= while <bool_expr> do <command> od`

- BNF productions or syntax charts
- non-terminals, terminals including keywords
- describes *appearance*; *structure* inferred
- other languages may have same structure, different appearance, e.g., ADA

`<while> ::= while <bool_expr>
 loop <command> end loop`

abstract

`Command ::= while Expression do Command`

- productions focus on structure
- order of components irrelevant
- terminal keywords dispensable: only mnemonic
- could well be `Command ::=`
 `whilebody:Command;whiletest:Expression`