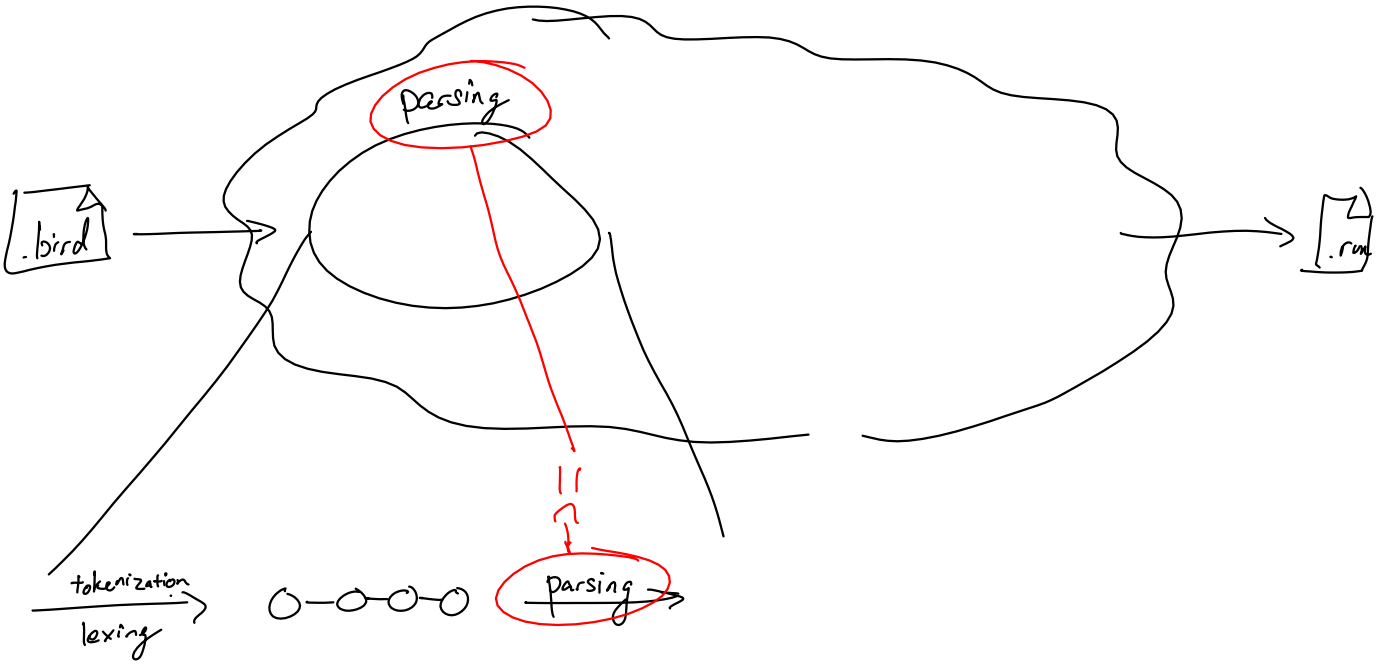
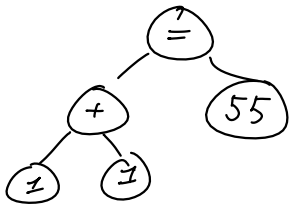


String → token list

token list → expr



<expr> ::= ∅
| after (<expr>)
| <expr> + <expr>

Left-recursive grammar is one in which it is possible to follow from a rule back to itself without reaching a terminal (token) on the left.

These parsers we are building are called LL parsers.

<expr> ::= ∅
| <expr> + <expr>

<expr> ::= ∅ <tail>

<tail> ::= ∈ | + <expr>

<expr> ::= <prim_expr>
| <prim_expr> (+ <prim_expr>)$^+$

<prim_expr> ::= ∅