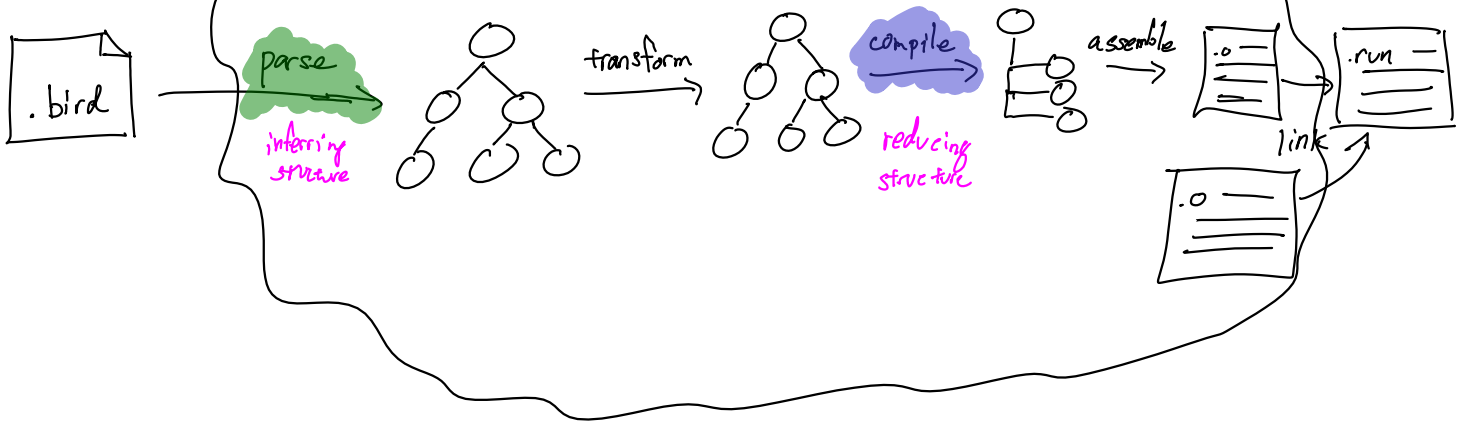


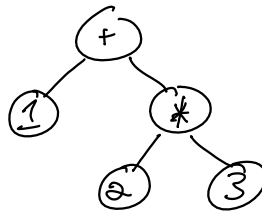
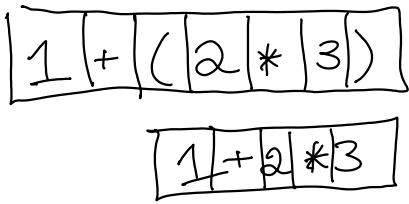
Magic Cloud

Compiler (pipeline)



Parsing: infer structure from unstructured data

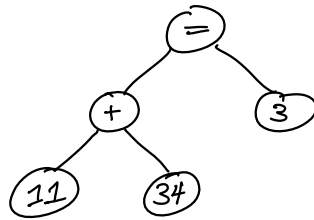
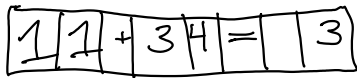
free
source file



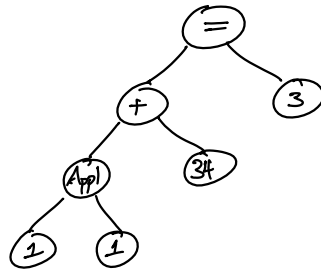
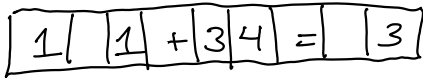
each sequence of characters corresponds to at most one tree



this doesn't make sense syntactically

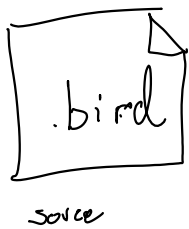


$\langle \text{expr} \rangle ::= \dots$
 $\langle \text{expr} \rangle = \langle \text{expr} \rangle$
 $\langle \text{expr} \rangle + \langle \text{expr} \rangle$
 = lesser precedence than +

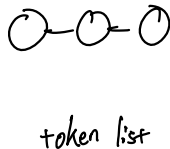


this doesn't make sense semantically

Parsing pipeline



lexing
(tokenization)
TODAT



parsing
||
∩

