

Token rules

[a-z][a-z0-9]*	ID
[0-9]+	NUM
(LPAR
)	RPAR
=	ASSIGN

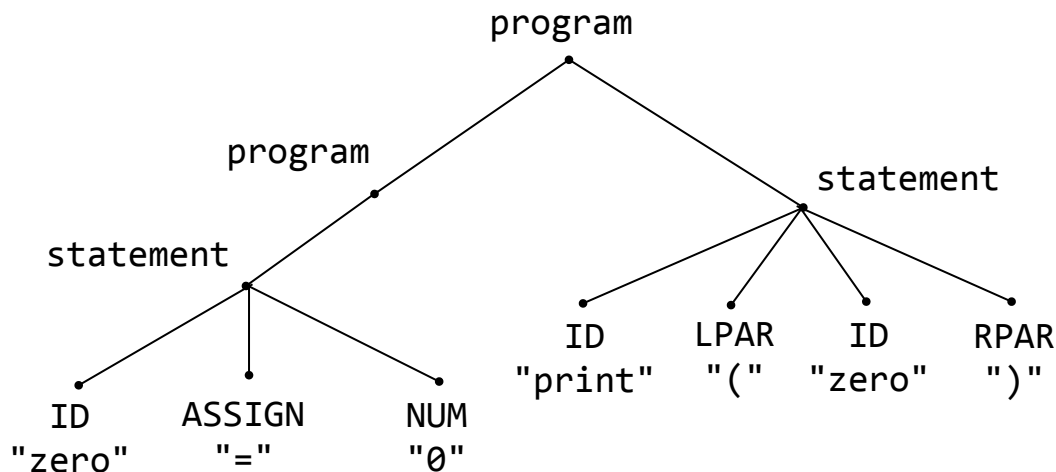
Grammar rules

program -> program statement
program -> statement
statement -> ID ASSIGN NUM
statement -> ID LPAR ID RPAR

Sample program 1

zero = 0
print(zero)

Derivation tree 1



Sample program 2

zero = 0
print)zero(

Derivation tree 2

The parentheses are flipped so a derivation tree does not exist.