```
Token rules
                                           Grammar rules
[a-z][a-z0-9]*
                  ID
                                    program -> program statement
[0-9]+
                  NUM
                                    program -> statement
                                    statement -> ID ASSIGN NUM
                  LPAR
                                    statement -> ID LPAR ID RPAR
                  RPAR
                  ASSIGN
   Sample program 1
                                       Derivation tree 1
zero = 0
                                              program
print(zero)
                                 program
                                                              statement
                        statement
                                                        LPAR
                                                  TD
                                                                      RPAR
                                               "print"
                                                              "zero"
                               ASSIGN
                                          NUM
                                 "="
                       "zero"
                                          "a"
    Sample program 2
                                        Derivation tree 2
                                The parentheses are flipped so a
zero = 0
                                derivation tree does not exist.
print)zero(
```