Grammar

```
[a-z]+
var\_seq
              ::=
                    var var_seq | var
factor
              ::=
                    var | (term)
                   "\" var seq "." term
abstraction
             ::=
factor seq
                    factor factor seq | factor
application
             ::=
                    factor factor seq
_{\rm term}
              ::=
                    abstraction | application | factor
                    "let" var "=" \operatorname{term}
bind
              ::=
program
              ::=
                   bind program | term
```

Example

```
x y z
   program -> term -> application -> factor factor_seq -> var factor_seq ->
   x factor_seq -> x factor factor_seq -> x var factor_seq ->
   x y factor seq -> x y factor -> x y var -> x y z
let T = \langle x y \cdot x \rangle
Tab
   program -> bind program
          -> "let" var "=" term program
          -> "let" T "=" \operatorname{term} program
          -> "let" T "=" abstraction program
          -> "let" T "=" \var seq.term program
          -> "let" T "=" \var var_seq.term program
          -> "let" T "=" \x var_seq.term program
          -> "let" T "=" \xspace var.term program
          -> "let" T "=" \x y.term program
          -> "let" T "=" \xy.var program
          -> "let" T "=" \xspace \xspa
          -> "let" T "=" \xspace x y.x application
          -> "let" T "=" \xy.x factor factor_seq
          -> "let" T "=" \xspace var factor seq
          -> "let" T "=" \xy.x T factor_seq
          -> "let" T "=" \xspace x y.x T var factor_seq
          -> "let" T "=" \x y.x T a factor seq
          -> "let" T "=" \x v.x T a factor
          -> "let" T "=" \xspace v.x T a var
          -> "let" T "=" \xspace x y.x T a b
```