⟨*transl-unit*⟩ ::= { (⟨*function*⟩ | ⟨*var-decl-stat*⟩ | ⟨*struct-decl*⟩) }

⟨*function*⟩ ::= '`FUNc`' ⟨*ident*⟩ ⟨*params*⟩ '`->`' ⟨*data-type*⟩ '`{`' { ⟨*stat*⟩ } '`}`'

⟨*params*⟩ ::= '`(`' [⟨*var-decl*⟩ { '`,`' ⟨*var-decl*⟩ }] '`)`'

⟨*block*⟩ ::= '`{`' { ⟨*stat*⟩ } '`}`'

⟨*stat*⟩ ::= ⟨*if*⟩
| ⟨*for*⟩
| ⟨*while*⟩
| ⟨*do-while*⟩
| ⟨*loop*⟩
| ⟨*break*⟩
| ⟨*continue*⟩
| ⟨*switch*⟩
| ⟨*bye*⟩
| ⟨*pprint*⟩
| ⟨*pprintln*⟩
| ⟨*empty*⟩
| ⟨*assign*⟩
| ⟨*var-decl-stat*⟩
| ⟨*block-stat*⟩
| ⟨*expr-stat*⟩

⟨*if*⟩ ::= '`if`' '`(`' ⟨*expr*⟩ '`)`' ⟨*stat*⟩ ['`else`' ⟨*stat*⟩]

⟨*for*⟩ ::= '`for`' '`(`' ⟨*ident*⟩ ['`=`' ⟨*expr*⟩] '`to`' ⟨*expr*⟩ '`)`' ⟨*stat*⟩

⟨*while*⟩ ::= '`while`' '`(`' ⟨*expr*⟩ '`)`' ⟨*stat*⟩

⟨*do-while*⟩ ::= '`do`' ⟨*block*⟩ '`while`' '`(`' ⟨*expr*⟩ '`)`' '`;`'

⟨*loop*⟩ ::= '`loop`' ⟨*block*⟩

⟨*break*⟩ ::= '`break`' '`;`'

⟨*continue*⟩ ::= '`continue`' '`;`'

⟨*switch*⟩ ::= '`switch`' '`(`' ⟨*expr*⟩ '`)`' '`{`' [⟨*case*⟩ { '`,`' ⟨*case*⟩ }] '`}`'

⟨*case*⟩ ::= '`case`' ⟨*expr*⟩ ⟨*block*⟩

⟨*bye*⟩ ::= ‘`bye`’ ⟨*expr*⟩ ‘`;`’

⟨*pprint*⟩ ::= ‘`pprint`’ ‘`(`’ ⟨*expr*⟩ ‘`)`’ ‘`;`’

⟨*pprintln*⟩ ::= ‘`pprintln`’ ‘`(`’ ⟨*expr*⟩ ‘`)`’ ‘`;`’

⟨*empty*⟩ ::= ‘`;`’

⟨*assign*⟩ ::= ⟨*ident*⟩ [‘`.`’ ⟨*ident*⟩] [‘`[`’ ⟨*expr*⟩ ‘`]`’] (‘`=`’] | ‘`+=`’ | ‘`-=`’) ⟨*expr*⟩ ‘`;`’

⟨*var-decl-stat*⟩ ::= ⟨*var-decl*⟩ [‘`=`’ ⟨*expr*⟩] ‘`;`’

⟨*var-decl*⟩ ::= ⟨*modifiers*⟩ ⟨*data-type*⟩ ‘`->`’ ⟨*ident*⟩ [‘`[`’ ⟨*expr*⟩ ‘`]`’]

⟨*block-stat*⟩ ::= ⟨*block*⟩

⟨*expr-stat*⟩ ::= ⟨*expr*⟩ ‘`;`’

⟨*data-type*⟩ ::= ⟨*data-type-kind*⟩ { ‘`*`’ } [‘`[`’ ⟨*number*⟩ ‘`]`’]

⟨*data-type-kind*⟩ ::= ‘`pp`’ // int
| ‘`p`’ // char
| ‘`nopp`’ // void
| ‘`booba`’ // bool
| ‘`yarn`’ // string
| ‘`ab`’ // ratio
| ‘`flaccid`’ // float
| ‘`struct`’ ⟨*ident*⟩ // record

⟨*modifiers*⟩ ::= { ⟨*modifier*⟩ }

⟨*modifier*⟩ ::= ‘`const`’

⟨*struct-decl*⟩ ::= ‘`struct`’ ⟨*ident*⟩ ‘`{`’ { ⟨*var-decl*⟩ ‘`,`’ } ‘`}`’

⟨*expr*⟩ ::= ⟨*equ*⟩

⟨*equ*⟩ ::= ⟨*comp*⟩ { (‘`!=`’ | ‘`==`’) ⟨*comp*⟩ }

⟨*comp*⟩ ::= ⟨*term*⟩ { (‘`>`’ | ‘`>=`’ | ‘`<=`’ | ‘`<`’) ⟨*term*⟩ }

⟨*term*⟩ ::= ⟨*factor*⟩ { (‘`+`’ | ‘`-`’) ⟨*factor*⟩ }

⟨*factor*⟩ ::= ⟨*unary*⟩ { (‘`*`’ | ‘`/`’) ⟨*unary*⟩ }

⟨*unary*⟩ ::= ('`!`' | '`-`') ⟨*unary*⟩ | ⟨*primary*⟩

⟨*primary*⟩ ::= '`yem`' // true
| '`nom`' // false
| ⟨*literal*⟩
| '`(`' ⟨*expr*⟩ '`)`'
| ⟨*ident-expr*⟩

⟨*ident-expr*⟩ ::= ⟨*ident*⟩ [⟨*func-args*⟩ | ⟨*struct-flds*⟩ | ⟨*struct-fld-access*⟩
| ⟨*array-access*⟩]

⟨*func-args*⟩ ::= '`(`' [⟨*expr*⟩ { '`,`' ⟨*expr*⟩ }] '`)`'

⟨*struct-flds*⟩ ::= '`{`' { ⟨*expr*⟩ '`,`' } '`}`'

⟨*struct-fld-access*⟩ ::= '`.`' ⟨*ident*⟩

⟨*array-access*⟩ ::= '`[`' ⟨*expr*⟩ '`]`'