

附录2 LR1生成规则

grammar_rule.txt

```
G S' S
G S Assignment S
G S Assignment
G S Funcdef S
G S Funcdef
G S Func S
G S Func
G S Loop S
G S Loop
G S Branch S
G S Branch
G S Funcall S
G S Funcall
G Expr Expr BinaryOp Expr
G Expr UnaryOp Expr
G Expr ( Expr )
G Expr const
G Expr ids
G Expr Funcall
G Expr id [ Expr ]
G Assignment ids AssignmentOp Expr
G ids id . ids
G ids id
G Funcall ids ( )
G Funcall ids ( Consts )
G Consts const
G Consts const , Consts
G Paras id , Paras
G Paras id
G Funcdef def id ( ) { S }
G Funcdef def id ( Paras ) { S }
G Funcdef def id ( Paras ) { }
G Funcdef def id ( ) { }
G Loop while ( Expr ) { S }
G Loop while ( Expr ) { }
G Branch if ( Expr ) { S }
G Branch if ( Expr ) { }
isVN S'
isVN S
isVN Expr
isVN Assignment
isVN Funcdef
isVN Loop
isVN Branch
```

isVN Paras
isVN Consts
isVN Funcall
isVN ids
filter DOUBLE const
filter INT const
filter COMPLEX const
filter STRING const
filter IDENTIFIER id
filter BINARY_OPERATOR BinaryOp
filter UNARY_OPERATOR UnaryOp
filter ASSIGNMENT_OPERATOR AssignmentOp