# Class

First (Class) = {Class}

First (Class-Body) = { Line , Num , bigNum , ID , Define , ϵ }

First (Main) = { Main }

First (Main-Foll) = { Class , ϵ }

# Declaration

First (DataType-Identifier) = { Line , Num , bigNum , ID }

First (Options) = First (Dec-Assign) U First (Array) = { = , ϵ , [ }

First (Dec-Assign) = First (Init ) = { = , ϵ }

First (Init) = { = , ϵ }

First (Init1) = { ID , String-Const | Integer-Const | double-Const | Char-Const }

First (List) = { ; , , }

# Array

First (Array) = { [ }

First (Size) = { ID , String-Const , Integer-Const, Double-Const, Char-Const , ϵ }

First (Detail) = {= , ϵ }

Fitst (ID-Const-More) = { ϵ , , }

# Expression

First (F) = { ID , String-Const , Integer-Const, Double-Const, Char-Const, . }

First (Addition) = { ( , [ , ++, -- , . }

First ( T’ ) = {\* , / , % , ϵ }

First (T) = { ID , String-Const , Integer-Const, Double-Const, Char-Const }

First ( E’ ) = { + , - , ϵ }

First (E) = { ID , String-Const , Integer-Const, Double-Const, Char-Const }

First (RE’) = { < , > , <= , >= , != , == , ϵ }

First (RE) = { ID , String-Const , Integer-Const, Double-Const, Char-Const }

First (AE’) = { && , ϵ }

First (AE) = { ID , String-Const , Integer-Const, Double-Const, Char-Const }

First (OE’) = { || , ϵ }

First (OE) = { ID , String-Const , Integer-Const, Double-Const, Char-Const }

# Repeat , Repeat-While , Either-Or

First (Repeat) = { Repeat }

First (F1) = { ID, ++ , -- , ϵ }

First (F2) = { += , -= , /= , %= , \*= , ++ , -- }

First (Repeat-While) = { RepeatWhile }

First ( Either ) = { Either }

First ( O-Or ) = { Or , ϵ }

# Function Defination

First (Fn-Def) = { Define }

First (Fn-Def-Parameter) = { Line , Num , bigNum , ϵ }

First (Fn-Def-Parameter1) = { , , ϵ }

First (Fn-Init) = { = , ϵ }

First ( Fn-Body ) = { ϵ , ID , Define , Repeat ,RepeatWhile ,Either, Line , Num , bigNum , ID , Break }

First ( Fn-Return ) = { Return , ϵ }

# Function Calling

First (Fn-Call) = { ID }

First (Fn-Call-Param) = { Line , Num , bigNum, ID , ϵ }

First (Fn-Call-Param1) = { , , ϵ }

First (Fn-Call-Param2) = { Line , Num , bigNum , ID }

# Shift

First (Default) = { Default: , ϵ }

First (Bound) = { bound , ϵ }

First (Shift) = { shift }

# Others

First (S-St)= {Shift , ID , Define , Repeat ,RepeatWhile ,Either, Line , Num , bigNum , ID , Break }

First (M-St) = { ϵ , ID , Define , Repeat ,RepeatWhile ,Either, Line , Num , bigNum , ID , Break }

First (Const) = { String-Const , Integer-Const , double-Const , Char-Const }

First(DT) = { Line , Num , bigNum }

First ( Inc-Dec )= { ++ , -- }

First (Assg-Opper) = { += , -= , /= , %= , \*= }