GROUP 34 - FIRST AND FOLLOW SETS
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FIRST SETS

First set for iterativeStmt
FOR   WHILE
First set for default_stmt
DEFAULT   EPS
First set for value
NUM   TRUE_   FALSE_
First set for caseStmts
CASE
First set for caseStmts2
CASE   EPS
First set for conditionalStmt
SWITCH
First set for declareStmt
DECLARE
First set for relationalOp
LT   LE   GE   GT   EQ   NE
First set for logicalOp
AND   OR
First set for AnyTerm
ID   NUM   RNUM   TRUE_   FALSE_   BO
First set for abExpr
ID   NUM   RNUM   TRUE_   FALSE_   BO
First set for unary_op
PLUS   MINUS
First set for non_term
ID   NUM   RNUM   BO
First set for U
PLUS   MINUS
First set for high_op
MUL   DIV
First set for low_op
PLUS   MINUS
First set for factor
ID   NUM   RNUM   TRUE_   FALSE_   BO
First set for factor2
SQBO   EPS
First set for exprIndex
ID   NUM   TRUE_   FALSE_   PLUS   MINUS   BO
First set for exprIndex2
ID   NUM   BO
First set for arrExpr
ID   NUM   TRUE_   FALSE_   BO

First set for arrExpr2
PLUS   MINUS   EPS
First set for arrTerm
ID   NUM   TRUE_   FALSE_   BO
First set for arrTerm2
MUL   DIV   EPS
First set for arrFactor
ID   NUM   TRUE_   FALSE_   BO
First set for term2
MUL   DIV   EPS
First set for term
ID   NUM   RNUM   TRUE_   FALSE_   BO
First set for arithmeticExpr
ID   NUM   RNUM   TRUE_   FALSE_   BO
First set for arithmeticExpr2
PLUS   MINUS   EPS
First set for expression
ID   NUM   RNUM   TRUE_   FALSE_   PLUS   MINUS   BO
First set for idList2
COMMA   EPS
First set for idList
ID
First set for optional
SQBO   EPS
First set for moduleReuseStmt
USE   SQBO
First set for lvalueARRStmt
SQBO
First set for lvalueIDStmt
ASSIGNOP
First set for sign
PLUS   MINUS   EPS
First set for whichStmt
ASSIGNOP   SQBO
First set for assignmentStmt
ID
First set for simpleStmt
USE   ID   SQBO
First set for program
DECLARE   DEF   DRIVERDEF
First set for moduleDeclarations
DECLARE   EPS
First set for moduleDeclaration
DECLARE
First set for otherModules
DEF   EPS
First set for driverModule
DRIVERDEF

First set for module
DEF
First set for ret
RETURNS   EPS
First set for input_plist
ID
First set for input_plist2
COMMA   EPS
First set for output_plist
ID
First set for output_plist2
COMMA   EPS
First set for dataType
INTEGER   REAL   BOOLEAN   ARRAY
First set for arr_range
ID   NUM   PLUS   MINUS
First set for var_const
ID   NUM   RNUM
First set for type
INTEGER   REAL   BOOLEAN
First set for moduleDef
START
First set for statements
DECLARE   GET_VALUE   PRINT   USE   FOR   SWITCH   WHILE   ID   SQBO
EPS
First set for statement
DECLARE   GET_VALUE   PRINT   USE   FOR   SWITCH   WHILE   ID   SQBO
First set for ioStmt
GET_VALUE   PRINT
First set for print_var
ID   NUM   RNUM   TRUE_   FALSE_
First set for boolConst
TRUE_   FALSE_
First set for N1
SQBO   EPS
First set for arr_index
ID   NUM   PLUS   MINUS
First set for index2
ID   NUM
First set for actual_para_list
ID   NUM   RNUM   TRUE_   FALSE_   PLUS   MINUS
First set for actual_para_list2
SQBO   EPS
First set for N7
AND   OR   EPS
First set for N8
LT   LE   GE   GT   EQ   NE   EPS
First set for N9

COMMA   EPS
First set for K
ID   NUM   RNUM   TRUE_   FALSE_
First set for for_index
NUM   PLUS   MINUS
First set for for_index2
NUM
First set for for_sign
PLUS   MINUS   EPS
First set for for_range
NUM   PLUS   MINUS
First set for INTEGER
INTEGER
First set for REAL
REAL
First set for BOOLEAN
BOOLEAN
First set for OF
OF
First set for ARRAY
ARRAY
First set for START
START
First set for END
END
First set for DECLARE
DECLARE
First set for MODULE
MODULE
First set for DRIVER
DRIVER
First set for PROGRAM
PROGRAM
First set for GET_VALUE
GET_VALUE
First set for PRINT
PRINT
First set for USE
USE
First set for WITH
WITH
First set for PARAMETERS
PARAMETERS
First set for TAKES
TAKES
First set for INPUT
INPUT
First set for RETURNS

RETURNS
First set for FOR
FOR
First set for IN
IN
First set for SWITCH
SWITCH
First set for CASE
CASE
First set for BREAK
BREAK
First set for DEFAULT
DEFAULT
First set for WHILE
WHILE
First set for ID
ID
First set for NUM
NUM
First set for RNUM
RNUM
First set for AND
AND
First set for OR
OR
First set for TRUE_
TRUE_
First set for FALSE_
FALSE_
First set for PLUS
PLUS
First set for MINUS
MINUS
First set for MUL
MUL
First set for DIV
DIV
First set for LT
LT
First set for LE
LE
First set for GE
GE
First set for GT
GT
First set for EQ
EQ
First set for NE

NE
First set for DEF
DEF
First set for ENDDEF
ENDDEF
First set for DRIVERDEF
DRIVERDEF
First set for DRIVERENDDEF
DRIVERENDDEF
First set for COLON
COLON
First set for RANGEOP
RANGEOP
First set for SEMICOL
SEMICOL
First set for COMMA
COMMA
First set for ASSIGNOP
ASSIGNOP
First set for SQBO
SQBO
First set for SQBC
SQBC
First set for BO
BO
First set for BC
BC
First set for COMMENT
COMMENT
First set for EPS
EPS
First set for DUMMY
DUMMY

FOLLOW SETS

Follow set for iterativeStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for default_stmt   END

Follow set for value   COLON

Follow set for caseStmts   END DEFAULT

Follow set for caseStmts2   END DEFAULT

Follow set for conditionalStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for declareStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for relationalOp   ID NUM RNUM TRUE_ FALSE_ BO

Follow set for logicalOp   ID NUM RNUM TRUE_ FALSE_ BO

Follow set for AnyTerm   AND OR SEMICOL BC

Follow set for abExpr   SEMICOL BC

Follow set for unary_op   ID NUM RNUM BO

Follow set for non_term   SEMICOL

Follow set for U   SEMICOL

Follow set for high_op   ID NUM RNUM TRUE_ FALSE_ BO

Follow set for low_op   ID NUM RNUM TRUE_ FALSE_ BO

Follow set for factor   AND OR PLUS MINUS MUL DIV LT LE GE GT EQ NE SEMICOL BC

Follow set for factor2   AND OR PLUS MINUS MUL DIV LT LE GE GT EQ NE SEMICOL BC

Follow set for exprIndex   SQBC

Follow set for exprIndex2   SQBC

Follow set for arrExpr   SQBC BC

Follow set for arrExpr2   SQBC BC

Follow set for arrTerm   PLUS MINUS SQBC BC

Follow set for arrTerm2   PLUS MINUS SQBC BC

Follow set for arrFactor   PLUS MINUS MUL DIV SQBC BC

Follow set for term2   AND OR PLUS MINUS LT LE GE GT EQ NE SEMICOL BC

Follow set for term   AND OR PLUS MINUS LT LE GE GT EQ NE SEMICOL BC

Follow set for arithmeticExpr   AND OR LT LE GE GT EQ NE SEMICOL BC

Follow set for arithmeticExpr2   AND OR LT LE GE GT EQ NE SEMICOL BC

Follow set for expression   SEMICOL

Follow set for idList2   COLON SQBC

Follow set for idList   COLON SQBC

Follow set for optional   USE

Follow set for moduleReuseStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for lvalueARRStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for lvalueIDStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for sign   ID NUM RNUM TRUE_ FALSE_ BO

Follow set for whichStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for assignmentStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for simpleStmt   END DECLARE GET_VALUE PRINT USE FOR SWITCH BREAK WHILE ID SQBO

Follow set for program

Follow set for moduleDeclarations   DEF DRIVERDEF

Follow set for moduleDeclaration   DECLARE DEF DRIVERDEF

Follow set for otherModules   DRIVERDEF

Follow set for driverModule   DEF

Follow set for module   DEF DRIVERDEF

Follow set for ret   START

Follow set for N7   SEMICOL BC

Follow set for N8   AND OR SEMICOL BC

Follow set for N9   SEMICOL

Follow set for K   SEMICOL COMMA

Follow set for for_index   RANGEOP BC

Follow set for for_index2   RANGEOP BC

Follow set for for_sign   NUM

Follow set for for_range   BC