***Follow Set***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | | Non-Terminal Symbol | | Follow Set | |
|  | <program> | | # | |
|  | <global> | | Lead | |
|  | <global\_choice> | | . | |
|  | <datatype> | | ., ;, of, ), ( | |
|  | <let\_global> | | . | |
|  | <values> | | ==, !=, >, >=, <, <=, ;, ., ) | |
|  | <vardec> | | . | |
|  | <vardtype> | | . | |
|  | <varinitINT> | | ;, . | |
|  | <varinitDOUBLE> | | ;, . | |
|  | <varinitCHAR> | | ;, . | |
|  | <varinitSTRING> | | ;, . | |
|  | <varinitBOOLEAN> | | ;, . | |
|  | <vartailINT> | | . | |
|  | <vartailDOUBLE> | | . | |
|  | <vartailCHAR> | | . | |
|  | <vartailSTRING> | | . | |
|  | <vartailBOOLEAN> | | . | |
|  | <valueCHAR> | | ;, . | |
|  | <valueSTRING> | | ;, . | |
|  | <valueBOOLEAN> | | ;, . | |
|  | <id\_tail> | | ++, --, ;, ., +, -, \*, /, %, ) | |
|  | <ids\_tail> | | =, ++, --, ;, ., +, -, \*, /, %, ) | |
|  | <id\_choices> | | ,, ==, !=, >, >=, <, <=, =, ++, --, ;, ., +, -, \*, /, %, ) | |
|  | <task\_param> | | ) | |
|  | <task\_param\_tail> | | ) | |
|  | <value> | | ;, ) | |
|  | <index> | | ] | |
|  | <indexop> | | ] | |
|  | <add\_min> | | id, intlit | |
|  | <index\_value> | | +, -, ] | |
|  | <index\_tail> | | ,, ==, !=, >, >=, <, <=, =, ++, --, ;, ., +, -, \*, /, %, ) | |
|  | <elements> | | Start, ;, ), ,, ==, !=, >, >=, <, <=, =, ++, --, ., +, -, \*, /, % | |
|  | <elements\_tail> | | Start, ;, ), ,, ==, !=, >, >=, <, <=, =, ++, --, ., +, -, \*, /, % | |
|  | <array> | | . | |
|  | <size\_tail> | | . | |
|  | <task> | | . | |
|  | <return\_type> | | (, . | |
|  | <parameters> | | . | |
|  | <param\_tail> | | ) | |
|  | <object> | | . | |
|  | <object\_elem> | | End | |
|  | <object\_elem\_tail> | | End | |
|  | <object\_var> | | . | |
|  | <object\_var\_tail> | | . | |
|  | <statements> | | ., Stop, End | |
|  | <functions> | | . | |
|  | <io\_statement> | | . | |
|  | <output\_statement> | | . | |
|  | <concat> | | . | |
|  | <pre\_incdec> | | (, @, [, ., +, -, \*, /, %, ), ; | |
|  | <option> | | . | |
|  | <option\_choices> | | . | |
|  | <optionINT> | | . | |
|  | <optionCHAR> | | . | |
|  | <optionSTRING> | | . | |
|  | <stateINT> | | Object, Clear, Var, Read, Say, Option, Until, Do, For, Array, If, ++, --, id, Default | |
|  | <stateCHAR> | | Object, Clear, Var, Read, Say, Option, Until, Do, For, Array, If, ++, --, id, Default | |
|  | <stateSTRING> | | Object, Clear, Var, Read, Say, Option, Until, Do, For, Array, If, ++, --, id, Default | |
|  | <default> | | End | |
|  | <conditions> | | ) | |
|  | <condition\_choices> | | ) | |
|  | <condition\_ids> | | ==, !=, >, >=, <, <= | |
|  | <logOp\_tail> | | &&, ||, ) | |
|  | <logOp\_choices> | | &&, ||, ) | |
|  | <relOp> | | intlit, id, doublelit, stringlit, charlit, boollit | |
|  | <logOp> | | (, boollit, ! | |
|  | <negate> | | ( | |
|  | <IfOtherwise> | | . | |
|  | <or> | | (, id, intlit, doublelit, stringlit, charlit, boollit, !, Otherwise | |
|  | <otherwise> | | EndIf | |
|  | <cond\_loop> | | Loop, LoopIf, Skip, Stop, Or, (, id, intlit, doublelit, stringlit, charlit, boollit, !, ), EndIf, Otherwise | |
|  | <control> | | Object, Clear, Var, Read, Say, Option, Until, Do, For, Array, If, ++, --, id, Loop, LoopIf, Skip, Stop, Or, (, intlit, doublelit, stringlit, charlit, boollit, !, ), EndIf, Otherwise | |
|  | <loopstate> | | . | |
|  | <initialize> | | ; | |
|  | <init\_choices> | | ==, !=, >, >=, <, <=, ; | |
|  | <cond> | | ; | |
|  | <incdecvar> | | ) | |
|  | <id\_stmt> | | . | |
|  | <id\_stmt\_tail> | | . | |
|  | <initvalues> | | . | |
|  | <mathopINT> | | ), ;, . | |
|  | <mathopDOUBLE> | | ), ;, . | |
|  | <mathopNUM> | | ), . | |
|  | <intvalue> | | +, -, \*, /, %, ), ;, . | |
|  | <doublevalue> | | +, -, \*, /, %, ), ;, . | |
|  | <numvalue> | | +, -, \*, /, %, ), . | |
|  | <exprID> | | +, -, \*, /, %, ), ., ; | |
|  | <mathopINT\_tail> | | ), ;, . | |
|  | <mathopDOUBLE\_tail> | | ), ;, . | |
|  | <mathopNUM\_tail> | | ), . | |
|  | <operators> | | (, intlit, doublelit, id, ++, -- | |
|  | <incdec> | | id, ), +, -, \*, /, %, ., ; | |
|  | <incdec\_null> | | +, -, \*, /, %, ), ., ; | |
|  | <taskdef> | | # | |
|  | <return\_id> | | End | |
|  | <taskbody> | | Response, End | |
|  | <taskbodytail> | | Response, End | |
|  | <returnINT> | | . | |
|  | <returnDOUBLE> | | . | |
|  | <returnCHAR> | | . | |
|  | <returnSTRING> | | . | |
|  | <returnBOOLEAN> | | . | |
|  | <returntail> | | . | |
|  | <StartProgram> | | λ | |