**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, Response |
|  | <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\_tail> | ) |
|  | <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 |