

BLOCK AND DECLARATIONS - SOURCE LANGUAGE

BLOCK = 'BEGIN' \$ BLOCK-DECLARATION \$ STATEMENTS 'END' .)

BLOCK-DECLARATION = SPECIFICATION PROG-LIST ' ; ' .)

PROG-LIST = PROG \$ ( ' , ' PROG ) .)

PROG = IDENTIFIER ( ' ← ' EXPRESSION / .EMPTY ) .)

PARAMETER-DECLARATION = SPECIFICATION NAME-LIST .)

SPECIFICATION = TYPE MODE / MODE TYPE .)

MODE = 'LOC' ( 'FLUID' / .EMPTY ) / 'FLUID' ( 'LOC' / .EMPTY ) / .EMPTY .)

TYPE = SIMPLE-TYPE / ARRAY-TYPE / FORMAL-TYPE .)

SIMPLE-TYPE = 'REAL' / 'INTEGER' / 'BOOLEAN' / 'OCTAL' / 'SYMBOL' .)

ARRAY-TYPE = FTYPE 'ARRAY' / 'ARRAY' .)

FORMAL-TYPE = VALUE-TYPE 'FORMAL' ( ' PARAMETER-GROUP ' ) .)

VALUE-TYPE = 'NOVALUE' / FTYPE .)

FTYPE = 'FORMAL' / SIMPLE-TYPE .)

NAME-LIST = IDENTIFIER \$ ( ' , ' IDENTIFIER ) .)

PARAMETER-GROUP = PARAMETER-TYPE \$ ( ' , ' PARAMETER-TYPE ) .)

PARAMETER-TYPE = 'LOC' ( FTYPE / .EMPTY ) / FTYPE ( 'LOC' / .EMPTY ) .)