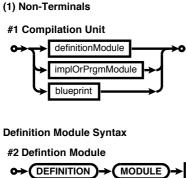
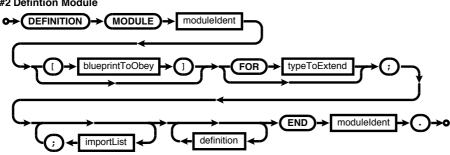
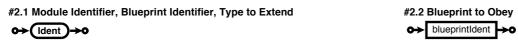
The Syntax Of Modula-2 — Revision 2010

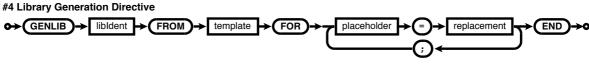
Copyright © 2010-15 B.Kowarsch & R.Sutcliffe; Status: Aug 31, 2015



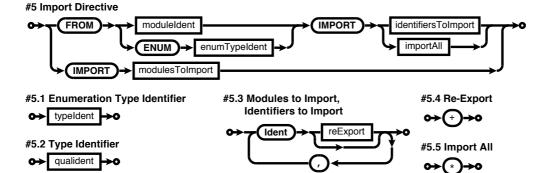




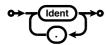


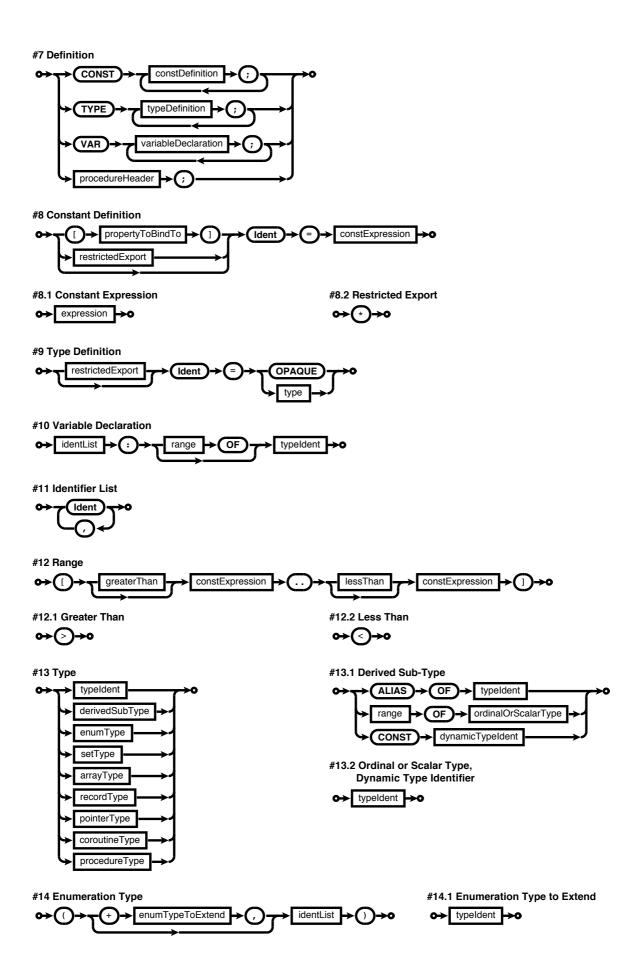


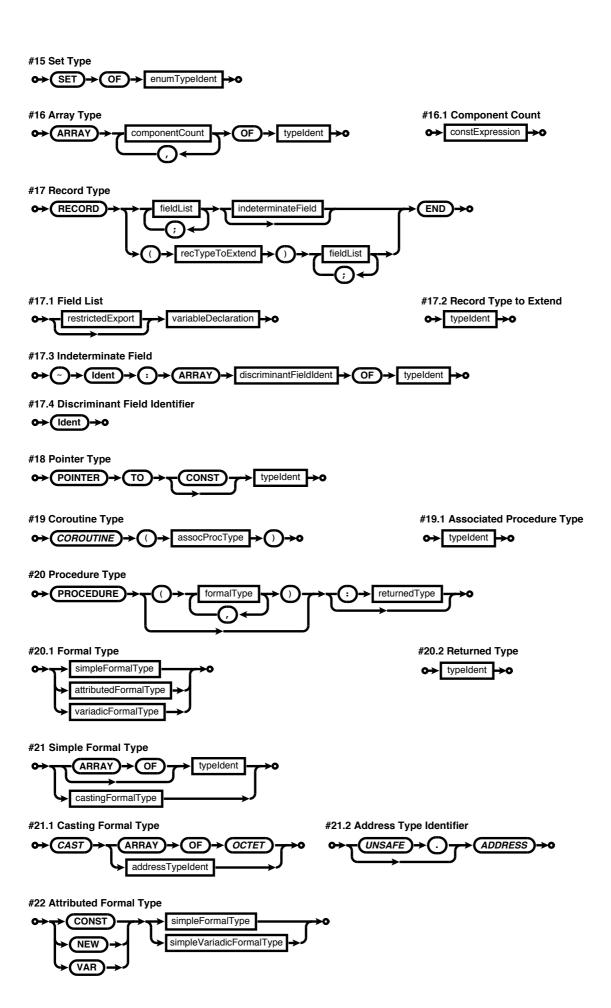


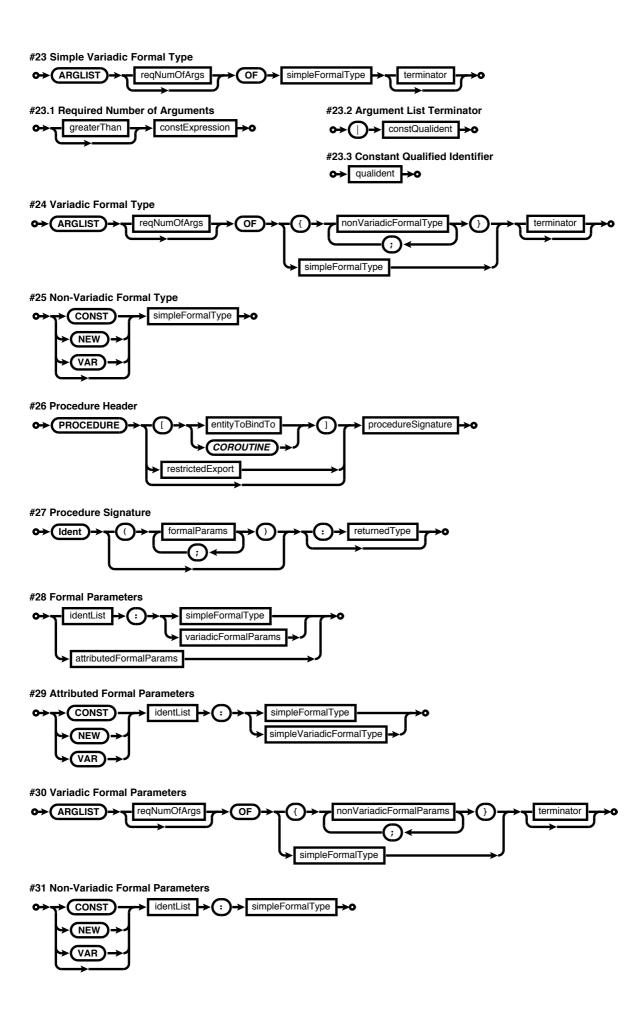


#6 Qualified Identifier

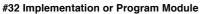


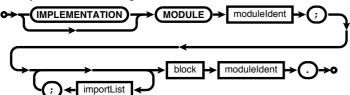




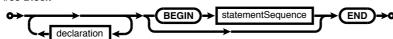


Implementation and Program Module Syntax

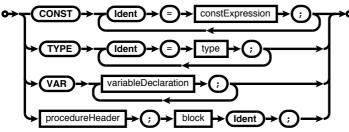




#33 Block



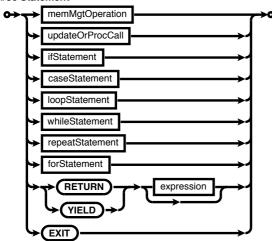
#34 Declaration



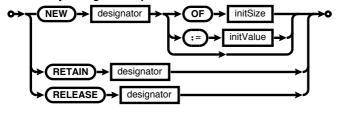
#35 Statement Sequence



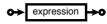
#36 Statement



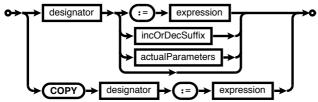
#37 Memory Management Operation



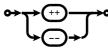
#37.1 Initialisation Size, Initialisation Value

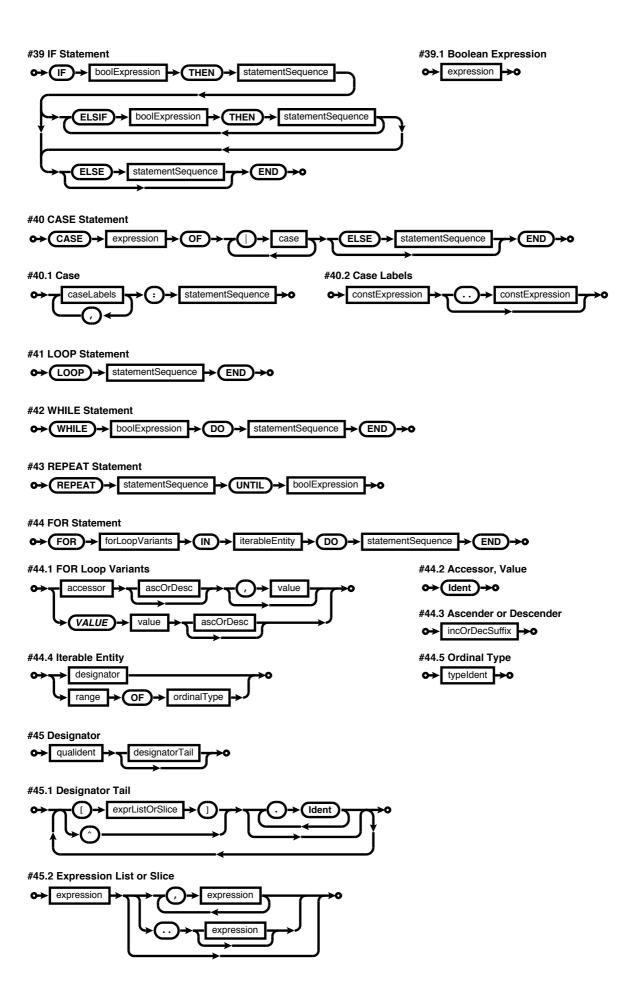


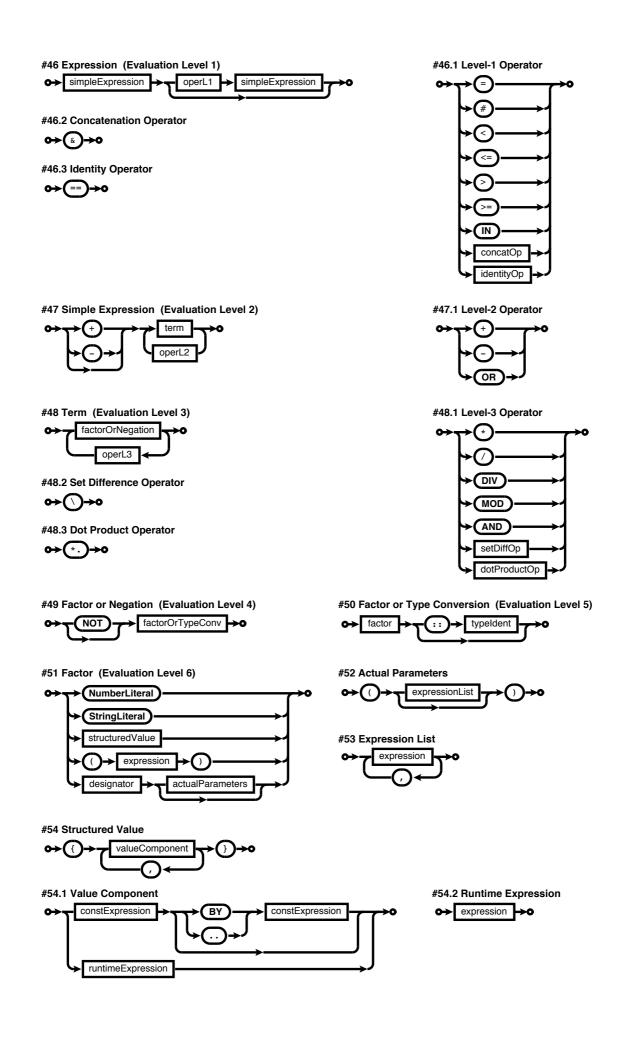
#38 Update or Procedure Call



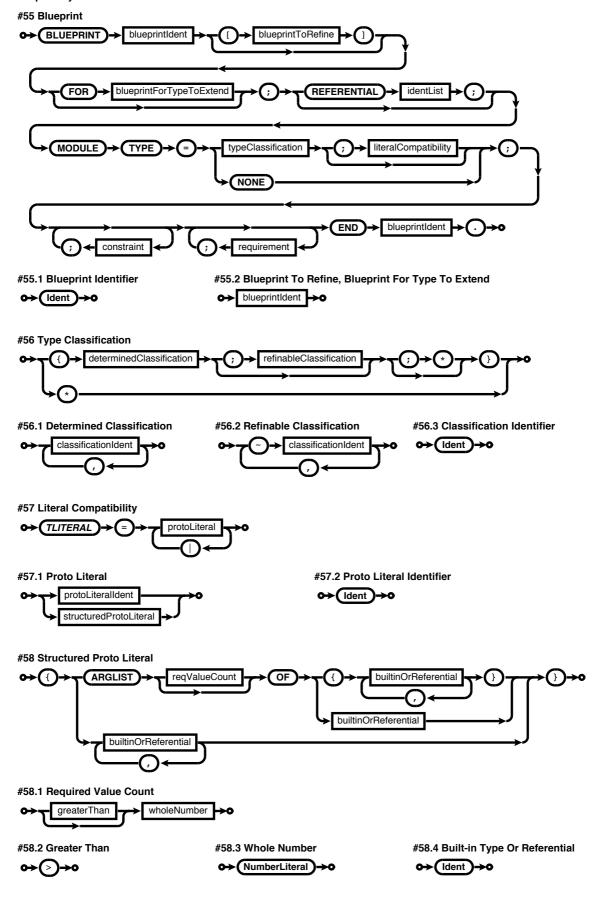
#38.1 Increment or Decrement Suffix

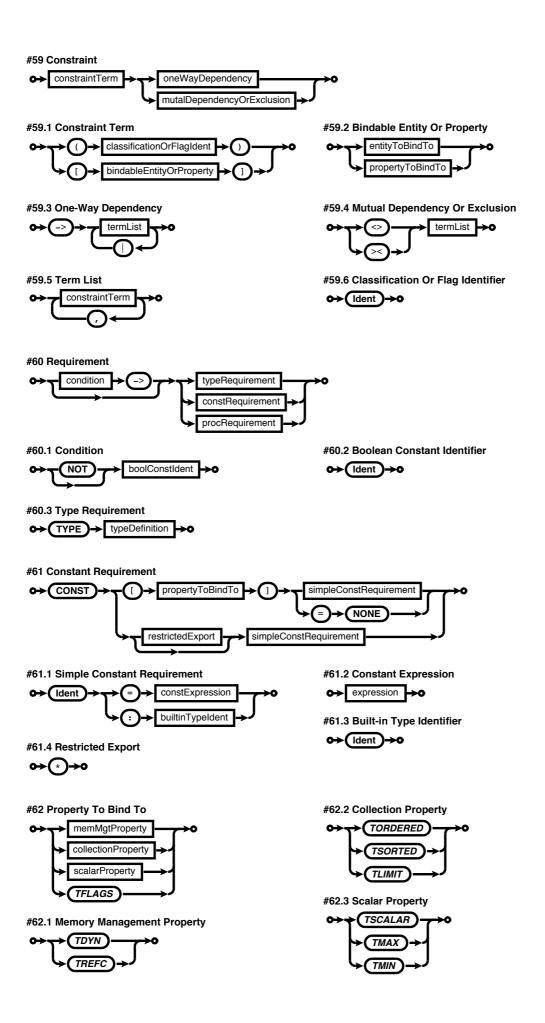


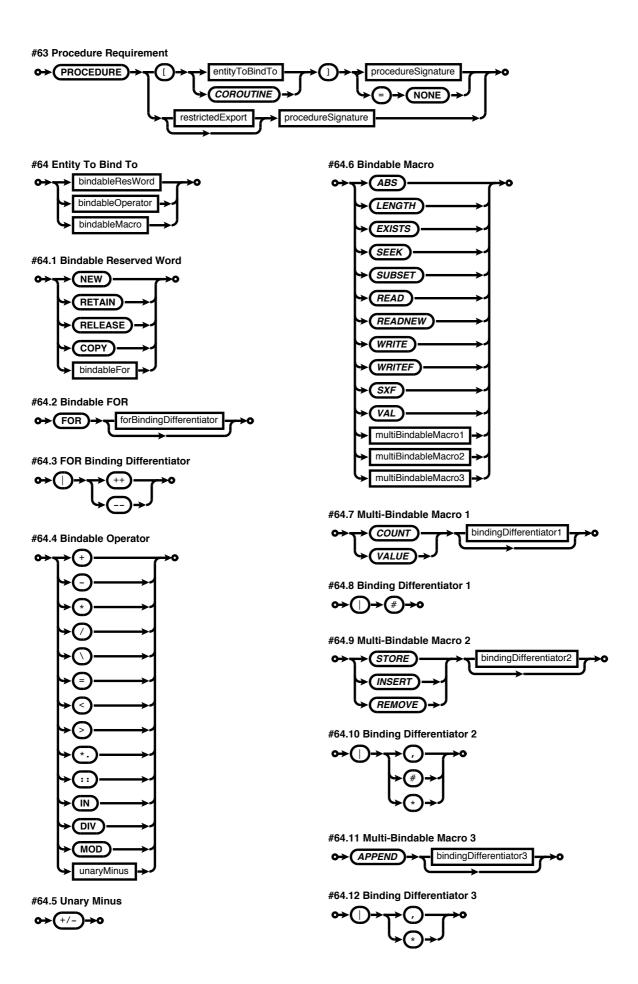




Blueprint Syntax







(2) Terminals

ALIAS

#1 Reserved Words

DEFINITION

ND	DIV		IF		OF		RETURN	
RGLIST	DO		IMPLEMENTATION		OPAQUE		SET	
RRAY	ELSE		IMPORT		OR		THEN	
EGIN	ELSIF		IN		POINTER		то	
LUEPRINT	END		LOOP		PROCEDURE		TYPE	
Υ	ENUM		MOD		RECORD		UNTIL	
ASE	EXIT		MODULE		REFERENTIAL		VAR	
ONST	FOR		NEW		RELEASE		WHILE	
ОРҮ	FROM		NON	E	REPEAT		YIELD	
ıal-Use Identifiers ödinger's Tokens)								
BS	INSERT		STORE		TMAX		VAL	
DDRESS	LENGTH		SUBSET		TMIN		VALUE	
PPEND	OCTET		SXF		TORDERE	ED.	WRITE	
AST	READ		TDYN		TREFC		WRITEF	
OUNT	READNEW		TFLAGS TSC		TSCALAR			
OROUTINE	REMOVE		TLIM	IIT	TSORTED		ASM*	
XISTS	SEEK		TLIT	ERAL	UNSAFE		REG *	
ecial Symbol Token	s							
~		+		=	==	()
		-		#	&	[]
:=		*		>	->	{		}
				_	<>			
++		*•		<i>></i> -	< >			
	RGLIST RRAY EGIN LUEPRINT Y ASE ONST OPY Inal-Use Identifiers ödinger's Tokens) BS DDRESS PPEND AST OUNT OROUTINE XISTS Decial Symbol Token : =	RGLIST DO RRAY ELSE EGIN ELSIF LUEPRINT END Y ENUM ASE EXIT ONST FOR OPY FROM Ital-Use Identifiers ödinger's Tokens) BS INSERT DDRESS LENGTH AST READ OUNT READNE OROUTINE REMOVE XISTS SEEK	RGLIST DO RRAY ELSE EGIN ELSIF LUEPRINT END Y ENUM ASE EXIT ONST FOR OPY FROM Inal-Use Identifiers ödinger's Tokens) BS INSERT DDRESS LENGTH PPEND OCTET AST READ OUNT READNEW OROUTINE REMOVE XISTS SEEK	RGLIST DO IMPL RRAY ELSE IMPO EGIN ELSIF IN LUEPRINT END LOO Y ENUM MOD ASE EXIT MOD ONST FOR NEW OPY FROM NON INSERT STOR DDRESS LENGTH SUB- PPEND OCTET SXF AST READ TDYR OROUTINE REMOVE TLIM XISTS SEEK TLITE PECIAL SYMBOL TOKENS	RGLIST DO IMPLEMENTATION RRAY ELSE IMPORT EGIN ELSIF IN LUEPRINT END LOOP Y ENUM MOD ASE EXIT MODULE ONST FOR NEW OPY FROM NONE BS INSERT STORE DDRESS LENGTH SUBSET PPEND OCTET SXF AST READ TDYN OUNT READNEW TFLAGS OROUTINE REMOVE TLIMIT XISTS SEEK TLITERAL PECIAL SYMBOL TOKENS	RGLIST DO IMPLEMENTATION OPAQUE RRAY ELSE IMPORT OR EGIN ELSIF IN POINTER LUEPRINT END LOOP PROCEDU Y ENUM MOD RECORD ASE EXIT MODULE REFEREN ONST FOR NEW RELEASE OPY FROM NONE REPEAT MAL-Use Identifiers Ödinger's Tokens) BS INSERT STORE TMAX DDRESS LENGTH SUBSET TMIN PPEND OCTET SXF TORDERE AST READ TDYN TREFC OUNT READNEW TFLAGS TSCALAR OROUTINE REMOVE TLIMIT TSORTED XISTS SEEK TLITERAL UNSAFE DECIAL SYMBOL TOKENS RECION OPAQUE IMPORT OR PROMITE TOR PROCEDU TOPA TREFC TOR OROUTINE REMOVE TLIMIT TSORTED TOR OR THE TOR OR TOR OR TOR OR TOR OR OR TOR OR O	REGLIST DO IMPLEMENTATION OPAQUE RRAY ELSE IMPORT OR EGIN ELSIF IN POINTER LUEPRINT END LOOP PROCEDURE Y ENUM MOD RECORD ASE EXIT MODULE REFERENTIAL DINST FOR NEW RELEASE DIPY FROM NONE REPEAT ASIAI-Use Identifiers Ödinger's Tokens) BS INSERT STORE TMAX DIDRESS LENGTH SUBSET TMIN PPEND OCTET SXF TORDERED AST READ TDYN TREFC DOUNT READNEW TFLAGS TSCALAR OROUTINE REMOVE TLIMIT TSORTED XISTS SEEK TLITERAL UNSAFE PECIAL SYMBOL TOKENS PE	REGLIST DO IMPLEMENTATION OPAQUE SET RRAY ELSE IMPORT OR THEN EGIN ELSIF IN POINTER TO LUEPRINT END LOOP PROCEDURE TYPE Y ENUM MOD RECORD UNTIL ASE EXIT MODULE REFERENTIAL VAR ONST FOR NEW RELEASE WHILE OPY FROM NONE REPEAT YIELD MAI-Use Identifiers ödinger's Tokens) BS INSERT STORE TMAX VAL DDRESS LENGTH SUBSET TMIN VALUE PPEND OCTET SXF TORDERED WRITE AST READ TDYN TREFC WRITEF OUNT READNEW TFLAGS TSCALAR OROUTINE REMOVE TLIMIT TSORTED ASM' XISTS SEEK TLITERAL UNSAFE REG' DECIAL SYMBOL TOKENS PECIAL SYMBOL TOKENS PE

GENLIB

NOT

RETAIN

#3.1 Quoted Text Delimiters

::

" << >>

#3.2 Comment Delimiters

! (* *)

#3.3 Pragma Affix and Delimiters

+/-

? <* *>

#3.4 Template Language Symbols

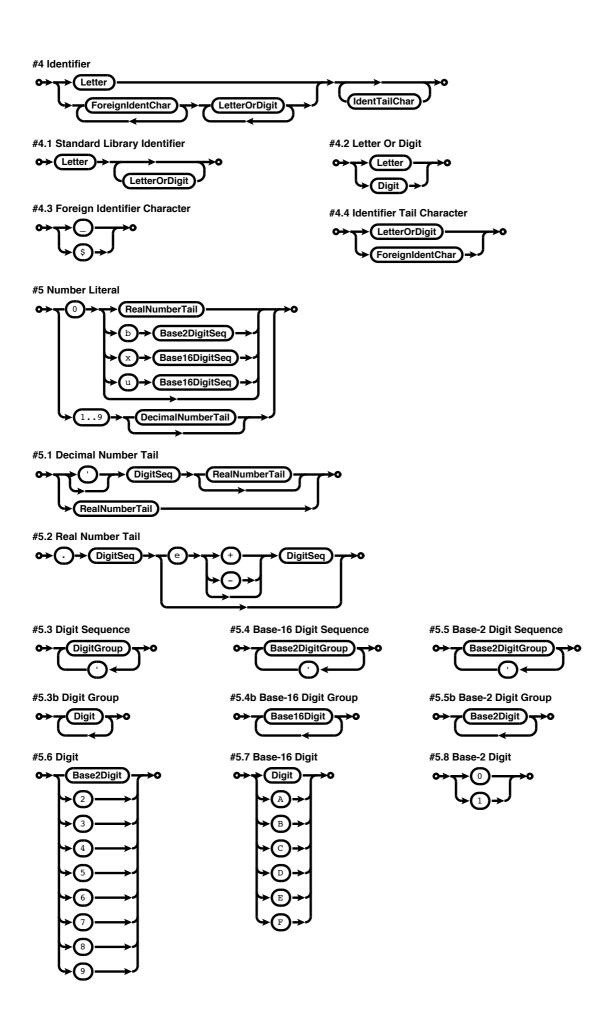
<# #> (0) // /* */

<=

#3.5 Reserved Symbols

- for use as a token by Objective Modula-2
- for use as lead character in identifiers and reserved words by language supersets
- % for use as a character in identifiers and reserved words by implementations targeting OpenVMS

^{*} optional language facilities



#6 String Literal → SingleQuotedString DoubleQuotedString #6.1 Single Quoted String QuotableCharacter #6.2 Double Quoted String QuotableCharacter #6.3 Quotable Character #6.4 Letter **→** Digit Letter Space #6.5 Space NonAlphaNumQuotable CONST Space = CHR(32); EscapedCharacter #6.6 Non-Alphanumeric Quotable Character #6.7 Escaped Character **#7 Chevron Delimited Text** QuotableCharacter

(3) Ignore Symbols

#1 Whitespace

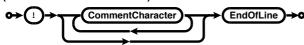


#1.1 ASCII Tabulator

CONST ASCII_TAB = CHR(8);

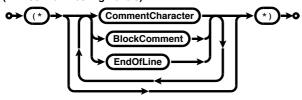
#2 Line Comment

(At the First Column of a Line)

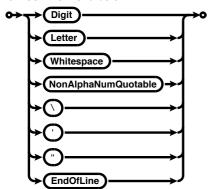


#3 Block Comment

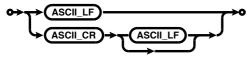
(At Most Ten Nesting Levels)



#3.1 Comment Character



#4 End Of Line Marker



#4.1 ASCII Line Feed

CONST ASCII_LF = CHR(10);

#4.2 ASCII Carriage Return

CONST ASCII_CR = CHR(13);

