

APPENDIX A  
SUMMARY OF COMMANDS

TEXT UNIT POINTER MOVEMENT

↑<T>	Position to top text unit.
↑<B>	Position to bottom text unit. (Always ".")
↑<U>/n	Position up n text units. (". "=forever; RETURN=1)
↑<D>/n	Position down n text units.
↑<F> argument string	Find the line containing the argument string.

DEVICE SOURCE I/O

↑<R>IN=device	Read lines of Pascal source text until an empty line. Device=RETURN is the keyboard.
↑<L>/n OUT=device	List n text units to the specified device. Device = CR is the on-board printer or attached terminal.

SOURCE TEXT EDITING

↑<K>/n	Delete n text units.
↑<I>	Insert one line of source text.
↑< >	(space) List current text unit.
↑<V>	View five text units centered on the current text unit.

TOGGLES

+<S> Toggle statement trace.  
 +<A> Toggle assignment trace.

PROGRAM CONTROL

+<C> Check program syntax; invoke the Binder.  
 +<G> Execute program. Starts at beginning of program unless Break-in-progress is true.  
 +<X> one statement Immediately execute the statement.  
 +<,> Execute and trace program, returning to command interpreter with Break-in-progress true at start of next statement. Starts at beginning of program unless Break-in-progress is true.

MISCELLANEOUS

+<W> Redefine page width.  
 +<N> Initialize to empty program.  
 +<M> Report number of free memory bytes.  
 +<Z> Initialize Instant Pascal (cold start).

APPENDIX B  
 LANGUAGE SUMMARY TABLES

Reserved Words

AND	END	NIL	SET
ARRAY	FILE	NOT	THEN
BEGIN	FOR	OF	TO
CASE	FUNCTION	OR	TYPE
CONST	GOTO	OTHERWISE	UNTIL
DIV	IF	PROCEDURE	VAR
DO	IN	PROGRAM	WHILE
DOWNTO	LABEL	RECORD	WITH
ELSE	MOD	REPEAT	

Reserved Symbols

.	,	'	;		
+	-	*	/	:=	:
=	<=	>=	<>	<	>
(	)	(*	*)	[	]

Standard Identifiers

Constants:	FALSE	TRUE		
Types:	BOOLEAN	CHAR	INTEGER	
	REAL	STRING	TEXT	
Functions:	ABS	FUNC	ROUND	SUCC
	ARCTAN	LN	SIN	TRUNC
	CHR	ODD	SQR	
	COS	ORD	SQRT	
	EXP	PRED	SUBR	
Procedures:	READ	READLN	WRITE	WRITELN
	BREAK			
Procedures:	READ	READLN	WRITE	WRITELN
	BREAK			

Real and Integer Functions

Word	Function	Operand (s)	Result
ABS	Absolute Value	Integer, Real	Same as Operand
ARCTAN	Arc Tangent	Integer, Real	Real
COS	Cosine	Integer, Real	Real
EXP	Exponent	Integer, Real	Real
LN	Natural Logarithm	Integer, Real	Real
ODD		Integer	Boolean
ROUND	Round	Real	Integer
SIN	Sine	Integer, Real	Real
SQR	Square	Integer, Real	Same as Operand
SQRT	Square Root	Integer, Real	Real
TRUNC	Truncate	Real	Integer

Character Functions:

Word	Function	Operand (s)	Result
CHR	Character	Integer	Character
ORD	Ordinal	Scalar except Real	Integer
PRED	Predecessor	Scalar except Real	Same as Operand
SUCC	Successor	Scalar except Real	Same as Operand

Machine Language Functions

Word	Function	Operand (s)	Result
SUBR	Subroutine Call	Address	-
FUNC	Function Call	Address, Data	Char

Debug Functions

Word	Function	Operand (s)	Result
BREAK	Interrupt Execution	-	-

Arithmetic Operators

Symbol/Word	Operation
+	Addition (plus sign)
-	Subtraction (minus sign)
*	Multiplication
/	Division
DIV	Division (yields a truncated integer result)
MOD	Modules (yields the remainder of division)

Relational Operators

Symbol/Word	Operation
>	Greater than
<=	Greater than or equal to
<	Less than
<=	Less than or equal to
=	Equal to
<>	Not equal to