

implication	as	$P \leq Q$
equivalence	as	$P = Q$
exclusive or	as	$P \neq Q$

Predeclared Boolean functions — i.e., predeclared functions which yield a Boolean result — are:

<code>odd(I)</code>	true if the integer <code>I</code> is odd, false otherwise.
<code>eofln(F)</code>	end of a line, explained in Chapter 9.
<code>eof(F)</code>	end of file, explained in Chapter 9.

(Appendix A summarizes all predeclared functions.)

2.C. The Type Integer

A value of type `Integer` is an element of an implementation-defined subset of whole numbers. The following arithmetic operators yield an integer value when applied to integer operands:

<code>*</code>	multiply
<code>div</code>	divide and truncate (i.e., value is not rounded)
<code>mod</code>	modulus: <code>let Remainder = A - (A div B) * B;</code> if <code>Remainder < 0</code> then <code>A mod B = Remainder+B</code> otherwise <code>A mod B = Remainder</code>
<code>+</code>	add
<code>-</code>	subtract

An implementation-defined, predefined constant identifier `MaxInt` specifies the largest integer value allowable for all integer operations. If `A` and `B` are integer expressions, then the operation:

`A op B`

is guaranteed to be correctly implemented when:

<code>abs(A op B) <=</code>	<code>MaxInt</code> ,
<code>abs(A) <=</code>	<code>MaxInt</code> , and
<code>abs(B) <=</code>	<code>MaxInt</code>