means that if the first READ is of type character then a CHR(10) value will be returned followed by the reading in of a new line from the Advocation a subsequent read of type character will return the first character from this new line, assuming it is not blank. See also the procedure READLY below.

## 23 V is of type string.

A string of characters may be read using READ and in this case a series of characters will be read until the number of characters defined by the string has been read or EOLN = TRUE. If the string is not filled by the read like if end-of-line is reached before the whole string has been assigned) then the end of the string is filled with null (CHR(0)) characters = this enables the programmer to evaluate the length of the string that was read.

The note concerning in 11 above also applies here.

## 31 V is of type integer.

In this case a series of characters which represent an integer as defined in Section 1.3 is read. All preceding blanks and end-of-line markers are symped (this means that integers may be read immediately cf. the note in 11 above).

If the integer read has an absolute value greater than MAXINT (32757) then the runtime error 'Number too large' will be issued and execution terminated.

If the first character read, after spaces and end-of-line characters have been skupped, is not a digit or a sign ('+' or '-') then the runtime error 'Number expected' will be reported and the program aborted.

## 4) V is of type real.

Here, a series of characters representing a real number according to the syntax of pection 1.3 will be read.

All leading spaces and end-of-line markers are skipped and as for integers above, the first character afterwards must be a digit or a sign. If the number read is too large or too small (see Section 1.2) then an 'Over-low' error will be reported, if 'E' is present without a following sign or digit then Exponent expected' error will be generated and if a decimal point is present without a subsequent digit then a 'Number expected' error will be given.

Reals, like integers, may be read immediately; see 17 and 31 100ve.

## 2.3.1.5 READLN

READLN(V1, V2,......Vn); is equivalent to: BEGIN READ(V1, V2,.....Vn); READLN END;

READLN simply reads in a new buffer from the keyboard; while typing in the buffer you may use the various control functions detailed in Section 3.0. Thus EOLN becomes FALSE after the execution of READLN unless the next line as blank.