

for Input. If the file number is 0, XYBASIC just does a normal INPUT, prompting with ? and waiting for information from the console.

An FM (File Mode) error will occur if you try to INPUT from a file OPEN for Output or Update, and an FI (File Input) error will occur if a bad item is read during INPUT. INPUT is legal only in program mode, and an ID (Illegal Direct) error occurs if you try to use it in direct mode.

A EF (End of File) error will occur if you use INPUT to read past the end of a file. You can avoid such errors by using the EOF function described below to check if all the information in the file has been read.

LINPUT

The LINPUT (Line INPUT) command reads a line of characters from the console or from a disk file and assigns a string variable the value given by the string of characters in the line. To use LINPUT to get a line from the console, you just say

```
10 LINPUT S$
```

When XYBASIC executes line 10, it just waits for you to type a line at the console; unlike INPUT, LINPUT does NOT print a ? to prompt you before waiting for the typed line. When you terminate the line you type with a <carriage return>, XYBASIC constructs a string consisting of the characters typed (not including the <carriage return>), and this string becomes the new value of S\$.

You can also get lines from disk files with LINPUT. The command

```
10 LINPUT @2, S$
```

will get characters from the file @2 until either a <carriage return> is found or 255 characters have been read without encountering a <carriage return>. Then the string consisting of the characters read (not including the <carriage return>) becomes the new value of S\$. A BF (Bad File number) error will occur if the specified file number is not 0 or the number of a file OPEN for Input. If the file number is 0, XYBASIC just does a LINPUT from the console.

A EF (End of File) error will occur if you use LINPUT to read past the end of a file. You can avoid such errors by always writing a <carriage return> and <linefeed> at the end of a file (for example with the command PRINT @2) and then using the EOF function described below to check if all the information in the file has been read.

An FM (File Mode) error will occur if you try to LINPUT from a file OPEN for Output or Update. Like INPUT, LINPUT is legal only in program mode, and an ID (Illegal Direct) error will occur if you try to use it in direct mode.

EOF

EOF is a function which tells you whether a file OPEN for Input contains any more characters. Its value is true (-1) if there are no more