

ISIS-II versions also have the ability to SAVE and LOAD programs as an Intel compatible HEX file. A file is SAVED in HEX format by adding ,H to the end of a SAVE command.

```
SAVE "EXAMPL",H      'SAVE IN HEX AS :FO:EXAMPL.HEX
```

Of course, a HEX file which has been SAVED can be LOADED using a similar syntax:

```
LOAD "EXAMPL",H      'LOAD THE FILE EXAMPL.HEX
```

This allows users with the Intel PROM programmer UPM to burn PROMs easily. Once a program is debugged, it is saved in HEX format, read into memory using UPM, and then burned into PROM in the normal manner. The HEX file created by SAVE contains an image of the current program relocated to location 0, and should be read with an appropriate offset.

In both CP/M and ISIS-II versions, XYBASIC will SAVE or LOAD the program in a printable and editable ASCII representation, as EXAMPL.BAS, if the specified filename is followed by ,A.

```
SAVE "EXAMPL",A      'SAVE IN ASCII AS EXAMPL.BAS
```

LOADing a .BAS file is much slower than LOADing an .XYB file, so programs should generally be SAVED in internal .XYB format if the ASCII version is unneeded.

In CP/M versions, the filename may be specified by any string, either quoted or unquoted. The string may consist of an optional disk name, such as A: or B:, followed by one to eight letters or digits. Lower case characters are converted to upper case within the filename, and the currently logged disk is assumed if no disk name is given. For example, if the value of S\$ is "EXAMPLE",

```
LOAD S$               'LOAD FROM LOGGED DISK UNDER CP/M
SAVE "B:EXAMPLE"      'SAVE TO DISK B: UNDER CP/M
```

In CP/M versions another form of LOAD allows you to LOAD a program and execute it immediately, without typing RUN. For example,

```
LOAD "TEST", R
```

will load TEST.XYB and RUN it. Similarly,

```
LOAD "B:TEST2", A, R
```

will load B:TEST2.BAS and RUN it. With this enhanced form of LOAD you can LOAD a XYBASIC program during execution of another program, and RUN it immediately without typing anything on your console. In this way you can build chains of XYBASIC programs which run without user intervention.

If a CP/M or ISIS-II version of XYBASIC cannot SAVE or LOAD your program successfully (because of a full disk, for example), a DK (Disk) error results. Under ISIS-II, an ISIS-II error message specifying the nature of the error is also printed. Since XYBASIC takes some time to process a typed program line before being ready for the next line, the first few characters of some lines might be lost unless you use the NULL command