

needed when using a compiler or assembler or debugger are eliminated.

To find and correct errors, just use one of the special debugging commands of XYBASIC. TRACE lets you trace program execution, showing you every line that gets executed and printing the name and value of any variables changed. BREAK lets you set breakpoints on line numbers or variables. If you set a line number break, XYBASIC prints the line number whenever it is executed, and then either returns control to you or continues with the next step in your program. If you set a variable break, XYBASIC prints the variable's name and new value whenever it is changed.

Under normal conditions most programmers spend about 40% of their time writing programs and 60% of their time discovering why the programs do not work. Using XYBASIC greatly reduces debugging time, since the execution of a program can be examined line by line; you can pinpoint problems and correct them immediately.

#### Available with editing commands

XYBASIC is available in versions which include a line-oriented editor. These versions allow programs to be modified without retyping entire lines. The AUTO command lets you enter a program without typing line numbers. The EDIT command lets you edit a line of the program. And the RENUM command rennumbers your program, or a section of your program, automatically!

#### ROM Squared features

Another unique advantage to XYBASIC is its ability to allow several user programs in memory simultaneously, in either RAM or ROM. You can just use the EXEC command to switch from one program to another. Once a program is debugged, you can burn and execute it from PROM. You can even build stand-alone systems which execute a specific program as soon as you turn on your computer.

#### Up to ten times faster

The maximum output of programmers, whether in assembly language or BASIC, is usually about ten lines of debugged program per hour, even for experienced programmers. Since each line of XYBASIC corresponds to about ten lines of assembly language, you can create debugged programs in as little as a tenth of the time assembly language would require.

#### Human engineered, thoroughly tested

The careful human engineering of the XYBASIC interpreter assures that anyone -- even with a minimum of programming experience -- can use it. Experienced programmers will find it well worth the investment; why continue to do things the hard way?

XYBASIC is a quality software product and has been thoroughly tested. And of course it is fully supported.