RTN A thru E GTO R/S

These instructions control program execution and should be studied carefully.

Looking at a Program

Earlier, you may recall, you learned that five functions/operations are accessible in two different ways. You can press \$\(\frac{1}{\sqrt{x}} \) or \$\(\mathbb{B} \); and so on. The five keys \$\(\mathbb{A} \) thru \$\(\mathbb{E} \) are used to control program execution. Each key is defined by the program it controls. Default programs for \$\(\frac{1}{\sqrt{x}} \), \$\(\sqrt{x} \), \$\(\sqrt{x

Program Memory

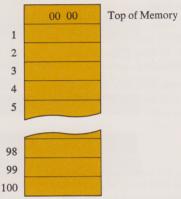
Now let's use these default programs to find out a little more about the program memory of the HP-65. Switch the calculator OFF and then ON again. The A thru keys are now defined by the default programs. Next, slide the mode switch to W/PRGM (write program). You should see the following display:

00 00

Top of Memory Marker

Whenever you see this display, you know that you are at the top of memory. The HP-65 program memory consists of 100 usable steps and a top of memory marker. The following drawing is a

graphic representation of program memory. Notice that the top of memory marker does occupy a step (not one of your 100), but that no keys may be stored there. The other steps can store one and sometimes two keystrokes.



Program Pointer

When a program is run, the calculator executes each step sequentially downward by means of a program "pointer."

