

an "R", then the Reserve Memory subroutine is called. If the character is a space, the rest of the line is ignored -- no instruction exists there.

A Carriage Return @ 0067 is called in order to loop through all source code text lines, then when RA.1 goes past the last line of text in memory (RA = 0A00), the current address is stored in the link table as the first address of the next segment. A branch back to 002D signals the user to input another instruction to continue or go to pass 2.

You may change the character that signals comment lines by changing the value @ 004E to the ASCII code of whatever character you want except spaces. Similarly, if your text editor is not inserting spaces in all unused locations, you will have to change from recognizing ASCII 20's @ 0046 : 0062 to whatever occupies your blank spots. Remember, a control character is not recognized as anything but another character. By creating special symbols using my program, A Character Designer for the VIP, and then using that special character set for Text Editor-21, whole realms of custom-tailored labels could be created. Chip-8 Assembler-3 would recognize all your special characters as valid (subject again to semicolons = 3B; spaces = 20). Such versatility is seldom seen