

know if there is enough space here to do so. You might first sort by first letters and then resort by groups until no exchanges take place. Other algorithms exist in numerous books and papers.

#### OUTPUT SYMBOL TO TEXT

The only purpose to this routine is to control RA while passing the sorted label to the text buffer. Five characters are transferred pointed to by RD and a colon is inserted for cosmetic reasons after the label. The address is attached by the next routine and RA is set to the next line by a call to the Carriage Return sub.

#### OUTPUT ADDRESS TO TEXT

The address in the symbol table pointed to by RD is first converted to ASCII form then stored behind the label already in the text buffer.

#### SYMBOL/OBJECT CODE TAPING

This routine performs the two part taping control procedures for output after pressing Key F the second