```
0290   10
  91   AA    PLO   RA      ;From RA data pointer
  92   9A    GHI   RA
  93   7F    SMBI          ;To point to next row of
  94   00
  95   BA    PHI   RA      ;Text in memory (up)
  96   30    BN            ;Branch to
  97   76                  ;Display Cursor & return (in Cursor Down sub)

                    CARRIAGE RETURN

0298   D4    SEP   R4
  99   03                  ;Call Display Cursor to erase old
  9A   5C
  9B   87    GLO   R7      ;Enter here if cursor already off
  9C   FA    ANI           ;Mask last 3 bits R7.0
  9D   07
  9E   32    BZ            ;Branch if = 00 -- when last three bits R7 = 00
  9F   A3                  ;Then cursor is at extreme left of display
02A0   27    DEC   R7      ;R7 - 01 to move left
  A1   30    BN
  A2   9B                  ;Loop till done
  A3   8A    GLO   RA
  A4   FA    ANI           ;Mask last 4 bits RA.0
  A5   0F
  A6   32    BZ            ;Branch if = 00 -- when last 4 bits RA = 00
  A7   AB                  ;Then data pointer is at the beginning of a row
  A8   2A    DEC   RA      ;RA -01  Data pointer left (of row)
  A9   30    BN
  AA   A3                  ;Loop till done
  AB   87    GLO   R7
  AC   FC    ADI
  AD   40                  ;Add 40 hex  64 decimal to value in R7 cursor
  AE   97    GHI   R7
  AF   7C    ADCI          ;To test if at page bottom - R7 unchanged
02B0   00                  ;And (cursor off) still
  B1   FB    XRI           ;When R7.1 would = 0C, then cursor is at
  B2   0C/10               ;(3K=0C/4K=10)Page bottom, and a scroll up must be
  B3   3A    BNZ           ;If ≠ 00 (R7.1 would ≠ 0C) branch to        done
  B4   BE                  ;Simply move cursor down a row
  B5   99    GHI   R9      ;Test if on
  B6   FB    XRI
  B7   05/09               ;Last text page (3K=05/4K=09)
  B8   32    BZ
  B9   C2                  ;Branch to turn on cursor-no scroll-no cursor down
  BA   D4    SEP   R4
  BB   02                  ;Call Scroll Up - auto with carriage return
  BC   10                  ;At page bottom
  BD   D5    SEP   R5      ;Return
```