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FBC3:29 03      85      AND  #003      ; 0<=LINE NO.<=$17
FBC5:09 04      86      ORA  #004      ;ARG = 000ABCDE, GENERATE
FBC7:85 29      87      STA  BASH      ; BASH = 000001CD
FBC9:68          88      PLA          ; AND
FBCA:29 18      89      AND  #018      ; BASL = EABAB000
FBCC:90 02      90      BCC  BASCLC2
FBCE:69 7F      91      ADC  #07F
FBD0:85 28      92      BASCLC2 STA  BASL
FBD2:0A          93      ASL  A
FBD3:0A          94      ASL  A
FBD4:05 28      95      ORA  BASL
FBD6:85 28      96      STA  BASL
FBD8:60          97      RTS
FBD9:          98      *
FBD9:C9 87      99      BELL1 CMP  #087      ;BELL CHAR? (CONTROL-G)
FBD8:D0 12      FBEF 100     BNE  RTS2B      ; NO, RETURN.
FBD0:A9 40      101     LDA  #040      ; YES...
FBD0:20 A8 FC   102     JSR  WAIT      ;DELAY .01 SECONDS
FBE2:A0 C0      103     LDY  #0C0
FBE4:A9 0C      104     BELL2 LDA  #0C0      ;TOGGLE SPEAKER AT 1 KHZ
FBE5:20 A8 FC   105     JSR  WAIT      ; FOR .1 SEC.
FBE9:AD 30 C0   106     LDA  SPKR
FBEC:88          107     DEY
FBED:D0 F5      FBE4 108     BNE  BELL2
FBEF:60          109     RTS2B RTS
FBF0:          110     *
FBF0:A4 24      111     STORADV LDY CH      ;CURSOR H INDEX TO Y-REG
FBF2:91 28      112     STA  (BASL),Y      ;STORE CHAR IN LINE
FBF4:E6 24      113     ADVANCE INC CH      ;INCREMENT CURSOR H INDEX
FBF6:A5 24      114     LDA  CH      ; (MOVE RIGHT)
FBF8:C5 21      115     CMP  WNDWDTH      ;BEYOND WINDOW WIDTH?
FBFA:B0 66      FC62 116     BCS  CR      ; YES, CR TO NEXT LINE.
FBFC:60          117     RTS3 RTS      ; NO, RETURN.
FBFD:          118     *
FBFD:C9 A0      119     VIDOUT CMP #0A0      ;CONTROL CHAR?
FBFF:B0 EF      FBFO 120     BCS  STORADV      ; NO, OUTPUT IT.
FC01:A8          121     TAY      ;INVERSE VIDEO?
FC02:10 EC      FBFO 122     BPL  STORADV      ; YES, OUTPUT IT.
FC04:C9 8D      123     CMP  #08D      ;CR?
FC06:F0 5A      FC62 124     BEQ  CR      ; YES.
FC08:C9 8A      125     CMP  #08A      ;LINE FEED?
FC0A:F0 5A      FC66 126     BEQ  LF      ; IF SO, DO IT.
FC0C:C9 88      127     CMP  #088      ;BACK SPACE? (CONTROL-H)
FC0E:D0 C9      FBD9 128     BNE  BELL1      ; NO, CHECK FOR BELL.
FC10:C6 24      129     BS      ;DECREMENT CURSOR H INDEX
FC12:10 E8      FBFC 130     BPL  RTS3      ;IF POSITIVE, OK; ELSE MOVE UP.
FC14:A5 21      131     LDA  WNDWDTH      ;SET CH TO WINDOW WIDTH - 1.
FC16:85 24      132     STA  CH
FC18:C6 24      133     DEC  CH      ; (RIGHTMOST SCREEN POS)
FC1A:A5 22      134     UP      LDA  WNDTOP      ;CURSOR V INDEX
FC1C:C5 25      135     CMP  CV
FC1E:B0 DC      FBFC 136     BCS  RTS3      ;IF TOP LINE THEN RETURN
FC20:C6 25      137     DEC  CV      ;DECR CURSOR V INDEX
FC22:          138     *

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FC22:A5 25      139     VTAB LDA  CV      ;GET CURSOR V INDEX
FC24:85 28      140     VTABZ STA  BASL      ;temporarily save Acc
FC26:98          141     TYA      ;and Y
FC27:A0 04      142     LDY  #04      ;this is VTABZ call
FC29:D0 89      FBB4 143     GOTOCX1 BNE GOTOCX ;=> always perform call
FC2B:          144     *
FC2B:EA          145     NOP
FC2C:          146     *
FC2C:49 C0      147     ESC1 EOR  #0C0      ;ESC '@'?
FC2E:F0 28      FC58 148     BEQ  HOME      ; IF SO DO HOME AND CLEAR
FC30:69 FD      149     ADC  #0FD      ;ESC-A OR B CHECK
FC32:90 C0      FBF4 150     BCC  ADVANCE      ; A, ADVANCE
FC34:F0 DA      FC10 151     BEQ  BS      ; B, BACKSPACE
FC36:69 FD      152     ADC  #0FD      ;ESC-C OR D CHECK
FC38:90 2C      FC66 153     BCC  LF      ; C, DOWN
FC3A:F0 DE      FC1A 154     BEQ  UP      ; D, GO UP
FC3C:69 FD      155     ADC  #0FD      ;ESC-E OR F CHECK
FC3E:90 5C      FC9C 156     BCC  CLREOL      ; E, CLEAR TO END OF LINE
FC40:D0 BA      FBFC 157     BNE  RTS3      ; ELSE NOT F,RETURN
FC42:          158     *
FC42:          FC42 159     CLREOP EQU  *      ;/RRA0981
FC42:A0 0A      160     LDY  #0A      ;CODE=CLREOP/RRA0981
FC44:D0 E3      FC29 161     BNE  GOTOCX1      ;DO 40/80 /RRA0981
FC46:          162     *
FC46:2C 1F C0   163     NEWVW BIT  RD80VID      ;in 80 columns?
FC49:10 04      FC4F 164     BPL  NEWVW1      ;=>not 80 columns
FC4B:A0 00      165     LDY  #00      ;Print a character
FC4D:F0 0B      FC5A 166     BEQ  GOTOCX3      ;through video firmware
FC4F:98          167     NEWVW1 TYA      ;get masked character
FC50:48          168     PHA      ;and set up for vidwait
FC51:20 78 FB   169     JSR  VIDWAIT      ;print the character
FC54:68          170     PLA      ;restore Acc
FC55:A4 35      171     LDY  YSAV1      ;and Y
FC57:60          172     RTS
FC58:          173     *
FC58:          FC58 174     HOME EQU  *      ;/RRA0981
FC58:A0 05      175     LDY  #5      ;CODE=HOME/RRA0981
FC5A:4C B4 FB   176     GOTOCX3 JMP  GOTOCX      ;do 40/80
FC5D:          177     *
FC5D:EA          178     NOP
FC5E:EA          179     NOP
FC5F:EA          180     NOP
FC60:EA          181     NOP
FC61:EA          182     NOP
FC62:          183     *
FC62:A9 00      184     CR      LDA  #000      ;CURSOR TO LEFT OF INDEX
FC64:85 24      185     STA  CH      ; (RET CURSOR H=0)
FC66:E6 25      186     LF      INC  CV      ;INCR CURSOR V. (DOWN 1 LINE)
FC68:A5 25      187     LDA  CV
FC6A:C5 23      188     CMP  WNDBTM      ;OFF SCREEN?
FC6C:90 B6      FC24 189     BCC  VTABZ      ; NO, SET BASE ADDR
FC6E:C6 25      190     DEC  CV      ;DECR CURSOR V. (BACK TO BOTTOM)
FC70:          191     *
FC70:          FC70 192     SCROLL EQU  *      ;/RRA0981

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