

Atari Translator, Version 1, Side B

The document itself begins on the next page.

Document source:

Original backup tapes owned by Dutchman2000, obtained by Atarimania.

Documentary research and PDF layout by Laurent Delsarte.

Note that these backup tapes contain A LOT of information spread out in many folders, meaning it will take time to process the important bits.

Document identification:

Original file name:	XLSIDEB.PRT
Title of document:	Atari Translator, Version 1, Side B
Author(s):	Joe MILLER (Joseph B. MILLER III) & Greg RIKER
Original file date:	1983-09-20
Type of document:	Software, commented source code
Target audience:	Internal
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Reference (Atari):	(unknown)
Reference (Laurent Delsarte):	For any discussion, this PDF has been given the reference BKUP-1983-09-20-SOFT-0002A-9 which should be quoted in any communication.
Tags:	#Atari #8bit #6502 #400 #800 #1200XL #800XL #OS #REV.A #REV.B #REV.10 #REV.11 #REV.1 #REV.2 #NTSC #Translator

Comments:

This is the printout of the original source code, fully commented.

What makes this document so interesting are all these valuable comments, describing the initial features of this NTSC version.

Produced with ATARI CAMAC Assembler.

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Atari Translator, Version 1, Side B

ATARI CAMAC Assembler Ver 1.0A Page 1
The ATARI Translator ----- D1:XLATOR.ASM
Program Identification and Revision History

```
0000 ; =====  
;   
; ATARI Translator  
;   
; Version 1  
; September 20, 1983  
;   
; This auto-booting diskette installs an ATARI 800 Operating  
; System (Revision B) in RAM "under" the ROM-based O.S. in  
; an XL-line computer. It exists to allow consumers to run  
; most 3rd party software which would otherwise fail to exe-  
; cute on the XL computers due to "violations" of the rules  
; for proper Operating System usage. It is NOT meant to en-  
; courage continued disregard for the stated O.S. guidelines  
; by independent software vendors.  
;   
; Once this disk has been loaded, the user is prompted to  
; remove it and insert the application diskette (or cassette)  
; and press the [SELECT] key. When this occurs the system  
; undertakes a COLD START in the new, RAM-based O.S. envir-  
; onment. For all intents and purposes, the machine should  
; then look exactly like an ATARI 800 (with the few caveats  
; outlined below) and the program should boot and run fine.  
;   
; In order to properly service a [RESET]-triggered WARM START,  
; the RAM-based O.S. has been modified to continually "watch"  
; the contents of the DOSINI vector. When/if the application  
; sets this vector the O.S. saves the contents and steals it  
; back so that it always points to some code which re-enables  
; the soft O.S. upon [RESET]. A normal WARM START is then  
; processed by the soft O.S. This [RESET] key handling only  
; works for applications which do not themselves jump through  
; DOSINI. Side 'B' of the TRANSLATOR diskette has been config-  
; ured to allow programs of this class (ie. any which boot the  
; 850 Interface Module) to run properly. However, in this case  
; the [RESET] key will not reselect the RAM-based O.S.  
;   
; The Translator assumes the following conditions for proper  
; operation:  
;   
; + 64K RAM system (ie. 600XL w/expansion module)  
; + The application does not write to PORTB ($D301)  
; + IRQs and NMIs are not permanently disabled by the  
; application (or [RESET] may not function correctly)  
; + On a 1450XLD, application is booted from SIO-based disk  
; + Application does not alter locations $0160 thru $0170  
; + Application does not expect RAM in 4K block at $C000  
;   
; By configuring the system as an ATARI 800, the application  
; will not be able to take advantage of certain XL-specific  
; features, such as function keys F1-F4, the HELP key, PBI  
; peripheral devices, etc.  
;   
; MODS: Joe Miller Add graphics and code for [RESET] 83-09-15  
; Greg Riker Original version 83-03-20  
;   
; =====
```

```

0000          LIST      I,-M

WATCH        MACRO
%L           LDA      DOSINI+1      ;If DOSINI high byte has changed
            CMP      #high RAMLINK
            BEQ      ?X%K
            STA      SVDINI+1      ; Save new high byte
            LDA      #high RAMLINK
            STA      DOSINI+1      ; Replace w/WARM START trap address
            ;Endif
?X%K        LDA      DOSINI        ;If DOSINI low byte has changed
            CMP      #low RAMLINK
            BEQ      ?Y%K
            STA      SVDINI        ; Save application's low byte
            LDA      #low RAMLINK
            STA      DOSINI        ; Restore WARM START trap address
?Y%K        ;Endif
            ENDM

PATCH       MACRO  DEST,SOURCE,COUNT
%L           LDA      #low %1      ;Copy 'COUNT' bytes from 'SOURCE' to 'DEST'
            STA      DEST
            LDA      #high %1
            STA      DEST+1
            LDA      #low %2
            STA      SOURCE
            LDA      #high %2
            STA      SOURCE+1
            LDA      #low %3
            STA      COUNT
            LDY      #0

?Z%K        LDA      (SOURCE),Y
            STA      (DEST),Y
            INY
            DEC      COUNT
            BNE      ?Z%K

            LDA      #high %3
            BEQ      ?Q%K

            INC      SOURCE+1      ;NOTE: special case for 0.S. copy
            INC      DEST+1
            BNE      ?Z%K
?Q%K        ENDM

ALIGN        MACRO
%L           ORG      [[high *]+1] shl 8
            ENDM

= 0000      RESET     SET      *0      ;Set conditional assembly parameter
            INCLUDE  D2:XLBOOT.ASM
  
```

0000

```

; -----
; Disk boot record
; -----
0000 = 0700      ORG   RAMLOAD
0700 00         DB    0
0701 04         DB    [PHASE1 - RAMLOAD + 127] / 128
0702 0007       DW    RAMLOAD
0704 463B      DW    BOOTSOS

; -----
; Boot Continuation Procedures
; -----
0706 ADC602     LDA    COLOR2      ;Set background color to match text
0709 8DC802     STA    COLOR4      ;To mask special display list
070C A907       LDA    #Low DLST1  ;Establish new display list
070E 8D3002     STA    SDLST
0711 A908       LDA    #high DLST1
0713 8D3102     STA    SDLST+1

0716 A903       LDA    #3
0718 8552       STA    LMARGN      ;Set new left margin for centered text
071A A558       LDA    SAVMSC      ;Locate system's screen RAM
071C 8D1308     STA    SCRMEM      ;Place address into our display list
071F A559       LDA    SAVMSC+1
0721 8D1408     STA    SCRMEM+1

0724 A200       LDX    #0
0726 8A         TXA
0727 8D4803     STA    ICBL        ;Clear screen
072A 8D4903     STA    ICBL+1
072D A90B       LDA    #PUTCHR
072F 8D4203     STA    ICCMD
0732 A97D       LDA    # $7D
0734 2056E4     JSR    CIOV

0737 A903       LDA    #3
0739 8588       STA    MLCNT      ;Set line counter (for all messages)
073B ADD8FC     LDA    OSTYPE      ;Test for exception messages
073E C9A2       CMP    #0S800
0740 D010 ^0752 BNE    RAMCHK      ;If we're running on a 400/800
0742 A91C       LDA    #Low ERR1
0744 8D4403     STA    ICBA        ; Save address of error message
0747 A908       LDA    #high ERR1
0749 8D4503     ABORT STA    ICBA+1

074C 20AA07     JSR    LINER      ; Display error message
074F 4C4F07     HUNG  JMP    HUNG   ; Loop forever ...
;Endif

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```

0752 ADE402    RAMCHK LDA    RAMSIZ
0755 C980      CMP    #$80
0757 B009 ^0762 BCS    ONWARD    ;If we're running on a 16K RAM system
0759 A97A      LDA    #Low ERR2
075B 8D4403    STA    ICBA      ; Address of error message
075E A908      LDA    #high ERR2
0760 D0E7 ^0749 BNE    ABORT     ; Display message and hang -->
                                ;Endif

0762 A9DC      ONWARD LDA    #Low OKMSG    ;Since this is a 64K XL-series,
0764 8D4403    STA    ICBA      ;Set display buffer address
0767 A908      LDA    #high OKMSG
0769 8D4503    STA    ICBA+1
076C 20AA07    JSR    LINER     ;Display 'One Moment' message

076F A900      LDA    #0
0771 8D0B03    STA    DAUX2
0774 A900      LDA    #Low SSCR1    ;Set address to load cover screen
0776 8D0403    STA    DBUF
0779 A910      LDA    #high SSCR1
077B 8D0503    STA    DBUF+1

077E AD0AD2    LDA    RANDOM
0781 2902      AND    #2
0783 AA       TAX
0784 BD0308    LDA    ALTSCR,X    ;Pick one of the screens at random
0787 8D0A03    STA    DAUX1      ;Starting sector of screen data
078A BD0408    LDA    ALTSCR+1,X
078D 8588      STA    MLCNT      ;Number of sectors to read
078F 20D607    JSR    GETSECS    ;Load selected display

0792 A900      LDA    #Low SSCR3
0794 8D0403    STA    DBUF      ;Address of 'camshaft' graphic
0797 A930      LDA    #high SSCR3
0799 8D0503    STA    DBUF+1
079C A953      LDA    #low [[SSCR3 - RAMLOAD]/128] + 1
079E 8D0A03    STA    DAUX1      ;Starting sector
07A1 A918      LDA    #low [[ESCR3 - SSCR3 + 127]/128]
07A3 8588      STA    MLCNT      ;Number of sectors
07A5 20D607    JSR    GETSECS    ;Load remainder of display

07A8 18       CLC
07A9 60       RTS      ;Show boot completed
                                ;Return to O.S. ==>

```

```

07AA A909      LINER  LDA    #PUTREC      ;Subroutine to do record aligned output
07AC 8D4203   STA    ICCMD
07AF A900      LDA    #0
07B1 8D4903   STA    ICBL+1

07B4 A926      LINER1 LDA    #38          ;Repeat
07B6 8D4803   STA    ICBL          ; Restore record length
07B9 2056E4   JSR    CIOV          ; Display line
07BC 18       CLC
07BD AD4403   LDA    ICBA
07C0 6D4803   ADC    ICBL
07C3 8D4403   STA    ICBA          ; Move buffer address to next line
07C6 AD4503   LDA    ICBA+1
07C9 6900     ADC    #0
07CB 8D4503   STA    ICBA+1
07CE C688     DEC    MLCNT
07D0 D0E2 ^07B4 BNE    LINER1      ;Until all lines are displayed

07D2 60       RTS

07D3 4C77E4   GETBAD JMP    COLDSV

07D6 A952      GETSECS LDA    #$52        ;Subroutine to read disk sectors
07D8 8D0203   STA    DCOMND      ;Repeat
07DB A901      LDA    #1
07DD 8D0103   STA    DUNIT       ; Set unit number to drive #1
07E0 2053E4   JSR    DSKINV      ; Read a sector
07E3 30EE ^07D3 BMI    GETBAD    ; If error, abort the whole deal -->

07E5 18       CLC
07E6 AD0403   LDA    DBUF        ; Move buffer pointer for next sector
07E9 6980     ADC    #$80
07EB 8D0403   STA    DBUF
07EE AD0503   LDA    DBUF+1
07F1 6900     ADC    #0
07F3 8D0503   STA    DBUF+1
07F6 EE0A03   INC    DAUX1       ; Bump sector number
07F9 D003 ^07FE BNE    GETNXT      ; If high-order byte affected, then
07FB EE0B03   INC    DAUX2       ; Handle sectors > 255
; Endif
07FE C688     GETNXT DEC    MLCNT  ; Drop sector count
0800 D0D4 ^07D6 BNE    GETSECS    ;Until all records loaded

0802 60       RTS

```

0803

0803 131C ALTSCR DB low [[SSCR1 - RAMLOAD]/128]+1, low [[ESCR1 - SSCR1 + 127]/128]
 0805 2F11 DB low [[SSCR2 - RAMLOAD]/128]+1, low [[ESCR2 - SSCR2 + 127]/128]

0807 7070707070 DLST1 DB \$70,\$70,\$70,\$70,\$70,\$70,\$70

080E 7070707042 DB \$70,\$70,\$70,\$70,\$42

0813 = 0002 SCRMEM DS 2

0815 3002300241 DB \$30,\$02,\$30,\$02,\$41

081A 0708 DW DLST1

081C 2054686520 ERR1 DB ' The ATARI TRANSLATOR diskette was', \$9B

083F 2020206465 DB ' designed for use on XL-series', \$9B

0860 2020202020 DB ' computers only!', \$9B

087A 2020205468 ERR2 DB ' The ATARI TRANSLATOR diskette', \$9B

089B 2020207265 DB ' requires a "Memory Expansion', \$9B

08BB 2020204D6F DB ' Module" for proper operation!', \$9B

08DC 9B OKMSG DB \$9B

08DD 2020202020 DB ' One Moment, Please ...', \$9B, \$9B

08FB PHASE1

INCLUDE D2:XLSCR1.ASM


```

; -----
; Display List for GTIA Screen #1
; -----

08FB = FFFF          IF      [* and $0FFF] <> 0
08FB = 1000         ORG      [[* and $F000]+$1000]
                    ENDF

1000                SSCR1
1000 6510           DLJMP   DW      DLINK1          ;Address to text window link
1002 E0            COLOR  DB      $E0             ;Color of this display

1003 707070304F    DLST2  DB      $70,$70,$70,$30,$4F
1008 6710          DW      SSM1                  ;LMS address of screen RAM
100A 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1013 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
101C 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1025 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
102E 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1036 7070          DB      $70,$70
1038 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1040 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1048 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1050 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1058 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1060 0F0F707081    DB      $0F,$0F,$70,$70,$81
1065 0030          DLINK1 DW      SSCR3

1067                SSM1                  ;Screen image
                    *
                    * ROW 3
                    *
1067 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
106F 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
1077 000FFFFFFF    DB      $00,$0F,$FF,$FF,$FF,$FF,$F0,$00,$00
107F 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
1087 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
                    *
                    * ROW 4
                    *
108F 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
1097 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
109F 000F00F00F    DB      $00,$0F,$00,$F0,$0F,$00,$F0,$00,$00
10A7 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
10AF 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
                    *
                    * ROW 5
                    *
10B7 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
10BF 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
10C7 000F00F00F    DB      $00,$0F,$00,$F0,$0F,$00,$F0,$00,$00
10CF 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
10D7 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00,$00
    
```

```

*
* ROW 6
*
10DF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
10E7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
10EF 000F00F00F DB $00,$0F,$00,$0F,$0F,$00,$0F,$00
10F7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
10FF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 7
*
1107 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
110F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1117 000F11F11F DB $00,$0F,$11,$F1,$1F,$11,$F0,$00
111F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1127 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 8
*
112F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1137 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
113F 000E11E11E DB $00,$0E,$11,$E1,$1E,$11,$E0,$00
1147 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
114F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 9
*
1157 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
115F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1167 000E11E11E DB $00,$0E,$11,$E1,$1E,$11,$E0,$00
116F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1177 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 10
*
117F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1187 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
118F 000E22E22E DB $00,$0E,$22,$E2,$2E,$22,$E0,$00
1197 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
119F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 11
*
11A7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11AF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11B7 000D22D22D DB $00,$0D,$22,$D2,$2D,$22,$D0,$00
11BF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11C7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 12
*
11CF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11D7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11DF 000D22D22D DB $00,$0D,$22,$D2,$2D,$22,$D0,$00
11E7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11EF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
    
```

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* ROW 13
*
11F7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
11FF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1207 000D33D33D DB $00,$0D,$33,$D3,$3D,$33,$D0,$00
120F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1217 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 14
*
121F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1227 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
122F 000C33C33C DB $00,$0C,$33,$C3,$3C,$33,$C0,$00
1237 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
123F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 15
*
1247 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
124F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1257 00BC44C44C DB $00,$BC,$44,$C4,$4C,$44,$CB,$00
125F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1267 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 16
*
126F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1277 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
127F 00C44CC44C DB $00,$C4,$4C,$C4,$4C,$C4,$4C,$00
1287 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
128F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 17
*
1297 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
129F 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12A7 00B44BB44B DB $00,$B4,$4B,$B4,$4B,$B4,$4B,$00
12AF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12B7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 18
*
12BF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12C7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12CF 00B55BB55B DB $00,$B5,$5B,$B5,$5B,$B5,$5B,$00
12D7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12DF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 19
*
12E7 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12EF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
12F7 00B55BB55B DB $00,$B5,$5B,$B5,$5B,$B5,$5B,$00
12FF 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
1307 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00

* ROW 20
    
```

```

*
130F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1317 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
131F 00A66AA66A      DB      $00,$A6,$6A,$A6,$6A,$A6,$6A,$00
1327 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
132F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 21
*
1337 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
133F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1347 00A66AA66A      DB      $00,$A6,$6A,$A6,$6A,$A6,$6A,$00
134F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1357 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 22
*
135F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1367 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
136F 00A66AA66A      DB      $00,$A6,$6A,$A6,$6A,$A6,$6A,$00
1377 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
137F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 23
*
1387 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
138F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1397 0097799779      DB      $00,$97,$79,$97,$79,$97,$79,$00
139F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13A7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 24
*
13AF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13B7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13BF 0097799779      DB      $00,$97,$79,$97,$79,$97,$79,$00
13C7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13CF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 25
*
13D7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13DF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13E7 0087788778      DB      $00,$87,$78,$87,$78,$87,$78,$00
13EF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
13F7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 26
*
13FF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1407 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
140F 0078877887      DB      $00,$78,$87,$78,$87,$78,$87,$00
1417 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
141F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 27
*

```

```

1427 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
142F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1437 0078877887    DB    $00,$78,$87,$78,$87,$78,$87,$00
143F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1447 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 28
    *
144F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1457 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
145F 0079877997    DB    $00,$79,$87,$79,$97,$78,$97,$00
1467 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
146F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 29
    *
1477 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
147F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1487 0778877997    DB    $07,$78,$87,$79,$97,$78,$87,$70
148F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1497 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 30
    *
149F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14A7 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14AF 066AA66AA6    DB    $06,$6A,$A6,$6A,$A6,$6A,$A6,$60
14B7 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14BF 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 31
    *
14C7 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14CF 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14D7 06AA666AA6    DB    $06,$AA,$66,$6A,$A6,$66,$AA,$60
14DF 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14E7 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 32
    *
14EF 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14F7 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
14FF 06AA666AA6    DB    $06,$AA,$66,$6A,$A6,$66,$AA,$60
1507 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
150F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 33
    *
1517 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
151F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1527 05BB505BB5    DB    $05,$BB,$50,$5B,$B5,$05,$BB,$50
152F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
1537 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    *
    * ROW 34
    *
153F 0000000000    DB    $00,$00,$00,$00,$00,$00,$00,$00
    
```

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1547 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
154F 05BB505BB5      DB      $05,$BB,$50,$5B,$B5,$05,$BB,$50
1557 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
155F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 35
      *
1567 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
156F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1577 04BB404BB4      DB      $04,$BB,$40,$4B,$B4,$04,$BB,$40
157F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1587 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 36
      *
158F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1597 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$4C
159F CCCC404CC4      DB      $CC,$CC,$40,$4C,$C4,$04,$CC,$CC
15A7 C400000000      DB      $C4,$00,$00,$00,$00,$00,$00,$00
15AF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 37
      *
15B7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
15BF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$4C
15C7 CCCC404CC4      DB      $CC,$CC,$40,$4C,$C4,$04,$CC,$CC
15CF C400000000      DB      $C4,$00,$00,$00,$00,$00,$00,$00
15D7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 38
      *
15DF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
15E7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$3C
15EF CCCC303CC3      DB      $CC,$CC,$30,$3C,$C3,$03,$CC,$CC
15F7 C300000000      DB      $C3,$00,$00,$00,$00,$00,$00,$00
15FF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 39
      *
1607 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
160F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$3D
1617 DDDD303DD3      DB      $DD,$DD,$30,$3D,$D3,$03,$DD,$DD
161F D300000000      DB      $D3,$00,$00,$00,$00,$00,$00,$00
1627 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 40
      *
162F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1637 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$2D
163F DDDD202DD2      DB      $DD,$DD,$20,$2D,$D2,$02,$DD,$DD
1647 D200000000      DB      $D2,$00,$00,$00,$00,$00,$00,$00
164F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 41
      *
1657 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
165F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$2D
    
```

```

1667 DDDD202DD2      DB      $DD,$DD,$20,$2D,$D2,$02,$DD,$DD
166F D200000000      DB      $D2,$00,$00,$00,$00,$00,$00,$00
1677 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 42
      *
167F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1687 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$2E
168F EEEE202EE2      DB      $EE,$EE,$20,$2E,$E2,$02,$EE,$EE
1697 E200000000      DB      $E2,$00,$00,$00,$00,$00,$00,$00
169F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 43
      *
16A7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
16AF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$1E
16B7 EEE1101EE1      DB      $EE,$E1,$10,$1E,$E1,$01,$1E,$EE
16BF E100000000      DB      $E1,$00,$00,$00,$00,$00,$00,$00
16C7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 44
      *
16CF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
16D7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$1E
16DF EEE1101EE1      DB      $EE,$E1,$10,$1E,$E1,$01,$1E,$EE
16E7 E100000000      DB      $E1,$00,$00,$00,$00,$00,$00,$00
16EF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 45
      *
16F7 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
16FF 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$1F
1707 FFF1101FF1      DB      $FF,$F1,$10,$1F,$F1,$01,$1F,$FF
170F F100000000      DB      $F1,$00,$00,$00,$00,$00,$00,$00
1717 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 46
      *
171F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
1727 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$0F
172F FFF0000FF0      DB      $FF,$F0,$00,$0F,$F0,$00,$0F,$FF
1737 F000000000      DB      $F0,$00,$00,$00,$00,$00,$00,$00
173F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 47
      *
1747 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
174F 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$0F
1757 FFF0000FF0      DB      $FF,$F0,$00,$0F,$F0,$00,$0F,$FF
175F F000000000      DB      $F0,$00,$00,$00,$00,$00,$00,$00
1767 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 64
      *
176F 00000000FF      DB      $00,$00,$00,$00,$FF,$FF,$FF,$F0
1777 FFF0000F00      DB      $FF,$F0,$00,$00,$F0,$00,$FF,$00
177F 0FF000F000      DB      $0F,$F0,$00,$F0,$00,$FF,$F0,$00
1787 0F000FFFFF      DB      $0F,$00,$0F,$FF,$FF,$FF,$00,$0F
    
```

```

178F 000FFF0000      DB      $00,$0F,$FF,$00,$00,$00,$00,$00
*
* ROW 65
*
1797 00000000F0      DB      $00,$00,$00,$00,$F0,$11,$10,$F0
179F F11F0000F1F      DB      $F1,$1F,$00,$0F,$1F,$00,$F1,$00
17A7 0F100E1F00      DB      $0F,$10,$0E,$1F,$00,$F1,$F0,$00
17AF F1F00F0111      DB      $F1,$F0,$0F,$01,$11,$0F,$00,$F1
17B7 F00F11F000      DB      $F0,$0F,$11,$F0,$00,$00,$00,$00
*
* ROW 66
*
17BF 00000000F2      DB      $00,$00,$00,$00,$F2,$22,$22,$F0
17C7 F11F0000E1E      DB      $F1,$1F,$00,$0E,$1E,$00,$F1,$00
17CF 0F100E1E00      DB      $0F,$10,$0E,$1E,$00,$F2,$F0,$00
17D7 E1E00F2222      DB      $E1,$E0,$0F,$22,$22,$2F,$00,$E1
17DF E00F11F000      DB      $E0,$0F,$11,$F0,$00,$00,$00,$00
*
* ROW 67
*
17E7 00000000F2      DB      $00,$00,$00,$00,$F2,$22,$22,$F0
17EF F11EE00222      DB      $F1,$1E,$E0,$02,$22,$00,$F2,$00
17F7 0F20EE2ED0      DB      $0F,$20,$EE,$2E,$D0,$F2,$F0,$00
17FF 22200F2222      DB      $22,$20,$0F,$22,$22,$2F,$00,$22
1807 200F11EE00      DB      $20,$0F,$11,$EE,$00,$00,$00,$00
*
* ROW 68
*
180F 00000000F3      DB      $00,$00,$00,$00,$F3,$33,$33,$F0
1817 E222E0E222      DB      $E2,$22,$E0,$E2,$22,$E0,$E2,$00
181F 0E20D222D0      DB      $0E,$20,$D2,$22,$D0,$F3,$F0,$0E
1827 222E0F3333      DB      $22,$2E,$0F,$33,$33,$3F,$0E,$22
182F 2E0E222E00      DB      $2E,$0E,$22,$2E,$00,$00,$00,$00
*
* ROW 69
*
1837 00000000F3      DB      $00,$00,$00,$00,$F3,$33,$33,$F0
183F E222E02222      DB      $E2,$22,$E0,$22,$22,$20,$E2,$00
1847 0E20D222D0      DB      $0E,$20,$D2,$22,$D0,$F3,$F0,$02
184F 22220F3333      DB      $22,$22,$0F,$33,$33,$3F,$02,$22
1857 220E222E00      DB      $22,$0E,$22,$2E,$00,$00,$00,$00
*
* ROW 70
*
185F 00000000F3      DB      $00,$00,$00,$00,$F3,$33,$33,$F0
1867 D222D02333      DB      $D2,$22,$D0,$23,$33,$20,$D2,$A0
186F 0D20D232C0      DB      $0D,$20,$D2,$32,$C0,$F3,$F0,$02
1877 33320F3333      DB      $33,$32,$0F,$33,$33,$3F,$02,$33
187F 320D222D00      DB      $32,$0D,$22,$2D,$00,$00,$00,$00
*
* ROW 71
*
1887 00000000F3      DB      $00,$00,$00,$00,$F3,$33,$33,$F0
188F D333D03333      DB      $D3,$33,$D0,$33,$33,$30,$D3,$A0
1897 0D30D333C0      DB      $0D,$30,$D3,$33,$C0,$F3,$F0,$03
189F 33330F3333      DB      $33,$33,$0F,$33,$33,$3F,$03,$33
18A7 330D333D00      DB      $33,$0D,$33,$3D,$00,$00,$00,$00
    
```



```

*
* ROW 72
*
18AF 00000000FF      DB      $00,$00,$00,$00,$FF,$D3,$DF,$F0
18B7 D333C03333      DB      $D3,$33,$C0,$33,$33,$30,$D3,$20
18BF 0D30C333B0      DB      $0D,$30,$C3,$33,$B0,$E3,$E0,$03
18C7 33330FFD3D      DB      $33,$33,$0F,$FD,$3D,$FF,$03,$33
18CF 330D333C00      DB      $33,$0D,$33,$3C,$00,$00,$00,$00

*
* ROW 73
*
18D7 0000000000      DB      $00,$00,$00,$00,$00,$C4,$C0,$00
18DF C4C4C04CCC      DB      $C4,$C4,$C0,$4C,$CC,$40,$C4,$30
18E7 0C40C4C4B0      DB      $0C,$40,$C4,$C4,$B0,$C4,$C0,$04
18EF CCC4000C4C      DB      $CC,$C4,$00,$0C,$4C,$00,$04,$CC
18F7 C40C4C4C00      DB      $C4,$0C,$4C,$4C,$00,$00,$00,$00

*
* ROW 74
*
18FF 0000000000      DB      $00,$00,$00,$00,$00,$B4,$B0,$00
1907 B4F4B04B0B      DB      $B4,$F4,$B0,$4B,$0B,$40,$B4,$30
190F 0B40B404A0      DB      $0B,$40,$B4,$04,$A0,$B4,$B0,$04
1917 B0B4000B4B      DB      $B0,$B4,$00,$0B,$4B,$00,$04,$B0
191F B40B4F4B00      DB      $B4,$0B,$4F,$4B,$00,$00,$00,$00

*
* ROW 75
*
1927 0000000000      DB      $00,$00,$00,$00,$00,$B4,$B0,$00
192F B404B04B0B      DB      $B4,$04,$B0,$4B,$0B,$40,$B4,$40
1937 0B40B404A0      DB      $0B,$40,$B4,$04,$A0,$B4,$B0,$04
193F B0B4000B4B      DB      $B0,$B4,$00,$0B,$4B,$00,$04,$B0
1947 B40B404B00      DB      $B4,$0B,$40,$4B,$00,$00,$00,$00

*
* ROW 76
*
194F 0000000000      DB      $00,$00,$00,$00,$00,$B5,$B0,$00
1957 B505B05B0B      DB      $B5,$05,$B0,$5B,$0B,$50,$B5,$40
195F 0B50B505A0      DB      $0B,$50,$B5,$05,$A0,$B5,$B0,$05
1967 B0B5000B5B      DB      $B0,$B5,$00,$0B,$5B,$00,$05,$B0
196F B50B505B00      DB      $B5,$0B,$50,$5B,$00,$00,$00,$00

*
* ROW 77
*
1977 0000000000      DB      $00,$00,$00,$00,$00,$A5,$A0,$00
197F A505A05A0A      DB      $A5,$05,$A0,$5A,$0A,$50,$A5,$40
1987 0A50A50AB0      DB      $0A,$50,$A5,$0A,$B0,$A5,$A0,$05
198F A0A5000A5A      DB      $A0,$A5,$00,$0A,$5A,$00,$05,$A0
1997 A50A505A00      DB      $A5,$0A,$50,$5A,$00,$00,$00,$00

*
* ROW 78
*
199F 0000000000      DB      $00,$00,$00,$00,$00,$A6,$A0,$00
19A7 A606A06A0A      DB      $A6,$06,$A0,$6A,$0A,$60,$A6,$50
19AF 0A60A60000      DB      $0A,$60,$A6,$00,$00,$A6,$A0,$06
19B7 A0A6000A6A      DB      $A0,$A6,$00,$0A,$6A,$00,$06,$A0
19BF A60A606A00      DB      $A6,$0A,$60,$6A,$00,$00,$00,$00
*
    
```

```

* ROW 79
*
19C7 0000000000 DB $00,$00,$00,$00,$00,$A6,$A0,$00
19CF A606A06A0A DB $A6,$06,$A0,$6A,$0A,$60,$A6,$50
19D7 0A60A60000 DB $0A,$60,$A6,$00,$00,$A6,$A0,$06
19DF A0A6000A6A DB $A0,$A6,$00,$0A,$6A,$00,$06,$A0
19E7 A60A606A00 DB $A6,$0A,$60,$6A,$00,$00,$00,$00

*
* ROW 80
*
19EF 0000000000 DB $00,$00,$00,$00,$00,$96,$90,$00
19F7 9606906909 DB $96,$06,$90,$69,$09,$60,$96,$69
19FF 0960960000 DB $09,$60,$96,$00,$00,$96,$90,$06
1A07 9096000969 DB $90,$96,$00,$09,$69,$00,$06,$90
1A0F 9609606900 DB $96,$09,$60,$69,$00,$00,$00,$00

*
* ROW 81
*
1A17 0000000000 DB $00,$00,$00,$00,$00,$97,$90,$00
1A1F 9707907909 DB $97,$07,$90,$79,$09,$70,$97,$67
1A27 0970970000 DB $09,$70,$97,$00,$00,$97,$90,$07
1A2F 9097000979 DB $90,$97,$00,$09,$79,$00,$07,$90
1A37 9709707900 DB $97,$09,$70,$79,$00,$00,$00,$00

*
* ROW 82
*
1A3F 0000000000 DB $00,$00,$00,$00,$00,$87,$80,$00
1A47 8707807808 DB $87,$07,$80,$78,$08,$70,$87,$67
1A4F 0870870000 DB $08,$70,$87,$00,$00,$87,$80,$07
1A57 8087000878 DB $80,$87,$00,$08,$78,$00,$07,$80
1A5F 8708707800 DB $87,$08,$70,$78,$00,$00,$00,$00

*
* ROW 83
*
1A67 0000000000 DB $00,$00,$00,$00,$00,$87,$80,$00
1A6F 8787807808 DB $87,$87,$80,$78,$08,$70,$87,$77
1A77 0870877000 DB $08,$70,$87,$70,$00,$87,$80,$07
1A7F 8087000878 DB $80,$87,$00,$08,$78,$00,$07,$80
1A87 8708787800 DB $87,$08,$78,$78,$00,$00,$00,$00

*
* ROW 84
*
1A8F 0000000000 DB $00,$00,$00,$00,$00,$78,$70,$00
1A97 7888707808 DB $78,$88,$70,$78,$08,$70,$78,$78
1A9F 0870888600 DB $08,$70,$88,$86,$00,$78,$70,$07
1AA7 8087000787 DB $80,$87,$00,$07,$87,$00,$07,$80
1AAF 8707888700 DB $87,$07,$88,$87,$00,$00,$00,$00

*
* ROW 85
*
1AB7 0000000000 DB $00,$00,$00,$00,$00,$78,$70,$00
1ABF 7889008707 DB $78,$89,$00,$87,$07,$80,$78,$08
1AC7 6780088660 DB $67,$80,$08,$86,$60,$78,$70,$08
1ACF 7078000787 DB $70,$78,$00,$07,$87,$00,$08,$70
1AD7 7807889000 DB $78,$07,$88,$90,$00,$00,$00,$00

*
* ROW 86
    
```

```

*
1ADF 0000000000 DB $00,$00,$00,$00,$00,$78,$70,$00
1AE7 7887009707 DB $78,$87,$00,$97,$07,$80,$79,$09
1AEF 8790079960 DB $87,$90,$07,$99,$60,$78,$70,$09
1AF7 7078000787 DB $70,$78,$00,$07,$87,$00,$09,$70
1AFF 7807887000 DB $78,$07,$88,$70,$00,$00,$00,$00
*
* ROW 87
*
1B07 0000000000 DB $00,$00,$00,$00,$00,$68,$60,$00
1B0F 6880008606 DB $68,$80,$00,$86,$06,$80,$68,$08
1B17 8680068860 DB $86,$80,$06,$88,$60,$68,$60,$08
1B1F 6068000686 DB $60,$68,$00,$06,$86,$00,$08,$60
1B27 6806880000 DB $68,$06,$88,$00,$00,$00,$00,$00
*
* ROW 88
*
1B2F 0000000000 DB $00,$00,$00,$00,$00,$6A,$60,$00
1B37 6AA000A606 DB $6A,$A0,$00,$A6,$06,$A0,$6A,$0A
1B3F 96A006AA50 DB $96,$A0,$06,$AA,$50,$6A,$60,$0A
1B47 606A0006A6 DB $60,$6A,$00,$06,$A6,$00,$0A,$60
1B4F 6A06AA0000 DB $6A,$06,$AA,$00,$00,$00,$00,$00
*
* ROW 89
*
1B57 0000000000 DB $00,$00,$00,$00,$00,$5A,$50,$00
1B5F 5AA000A505 DB $5A,$A0,$00,$A5,$05,$A0,$5A,$0A
1B67 85A000AA50 DB $85,$A0,$00,$AA,$50,$5A,$50,$0A
1B6F 505A0005A5 DB $50,$5A,$00,$05,$A5,$00,$0A,$50
1B77 5A05AA0000 DB $5A,$05,$AA,$00,$00,$00,$00,$00
*
* ROW 90
*
1B7F 0000000000 DB $00,$00,$00,$00,$00,$5A,$50,$00
1B87 5AAA00A505 DB $5A,$AA,$00,$A5,$05,$A0,$5A,$0A
1B8F A5A000AA50 DB $A5,$A0,$00,$AA,$50,$5A,$50,$0A
1B97 505A0005A5 DB $50,$5A,$00,$05,$A5,$00,$0A,$50
1B9F 5A05AAA000 DB $5A,$05,$AA,$A0,$00,$00,$00,$00
*
* ROW 91
*
1BA7 0000000000 DB $00,$00,$00,$00,$00,$5B,$50,$00
1BAF 5BBB00BBBB DB $5B,$BB,$00,$BB,$BB,$B0,$5B,$00
1BB7 A5B0008B40 DB $A5,$B0,$00,$8B,$40,$5B,$50,$0B
1BBF BBBB0005B5 DB $BB,$BB,$00,$05,$B5,$00,$0B,$BB
1BC7 BB05BBB000 DB $BB,$05,$BB,$B0,$00,$00,$00,$00
*
* ROW 92
*
1BCF 0000000000 DB $00,$00,$00,$00,$00,$4B,$40,$00
1BD7 4BBB00BBBB DB $4B,$BB,$00,$BB,$BB,$B0,$4B,$00
1BDF A4B0000B40 DB $A4,$B0,$00,$0B,$40,$4B,$40,$0B
1BE7 BBBB0004B4 DB $BB,$BB,$00,$04,$B4,$00,$0B,$BB
1BEF BB04BBB000 DB $BB,$04,$BB,$B0,$00,$00,$00,$00
*
* ROW 93
*

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```

1BF7 0000000000      DB      $00,$00,$00,$00,$00,$4B,$40,$00
1BFF 4BDB00BCCC      DB      $4B,$DB,$00,$BC,$CC,$B0,$4B,$00
1C07 B4B0000B40      DB      $B4,$B0,$00,$0B,$40,$4B,$40,$0B
1C0F CCB0004B4      DB      $CC,$CB,$00,$04,$B4,$00,$0B,$CC
1C17 CB04BDB000      DB      $CB,$04,$BD,$B0,$00,$00,$00,$00
*
* ROW 94
*
1C1F 0000000000      DB      $00,$00,$00,$00,$00,$4C,$40,$00
1C27 4CDC00CCCC      DB      $4C,$DC,$00,$CC,$CC,$C0,$4C,$00
1C2F B4C0000C30      DB      $B4,$C0,$00,$0C,$30,$4C,$40,$0C
1C37 CCCC0004C4      DB      $CC,$CC,$00,$04,$C4,$00,$0C,$CC
1C3F CC04CDC000      DB      $CC,$04,$CD,$C0,$00,$00,$00,$00
*
* ROW 95
*
1C47 0000000000      DB      $00,$00,$00,$00,$00,$3C,$30,$00
1C4F 3C0C00CCCC      DB      $3C,$0C,$00,$CC,$CC,$C0,$3C,$00
1C57 B3C0000C30      DB      $B3,$C0,$00,$0C,$30,$3C,$30,$0C
1C5F CCCC0003C3      DB      $CC,$CC,$00,$03,$C3,$00,$0C,$CC
1C67 CC03C0C000      DB      $CC,$03,$C0,$C0,$00,$00,$00,$00
*
* ROW 96
*
1C6F 0000000000      DB      $00,$00,$00,$00,$00,$3C,$30,$00
1C77 3C0C00CDDD      DB      $3C,$0C,$C0,$CD,$DD,$C0,$3C,$00
1C7F C30C000C30      DB      $C3,$C0,$CC,$0C,$30,$3C,$30,$0C
1C87 DDDC0003C3      DB      $DD,$DC,$00,$03,$C3,$00,$0C,$DD
1C8F DC03C0CC00      DB      $DC,$03,$C0,$CC,$00,$00,$00,$00
*
* ROW 97
*
1C97 0000000000      DB      $00,$00,$00,$00,$00,$3D,$30,$00
1C9F 3D0C00DDDD      DB      $3D,$0C,$C0,$DD,$DD,$D0,$3D,$00
1CA7 A3D0CC0D20      DB      $A3,$D0,$CC,$0D,$20,$3D,$BB,$0D
1CAF DDDD0003D3      DB      $DD,$DD,$00,$03,$D3,$00,$0D,$DD
1CB7 DD03D0CC00      DB      $DD,$03,$D0,$CC,$00,$00,$00,$00
*
* ROW 98
*
1CBF 0000000000      DB      $00,$00,$00,$00,$00,$2D,$20,$00
1CC7 2D0DC0D232      DB      $2D,$0D,$C0,$D2,$32,$D0,$2D,$00
1CCF A2D0CC0D20      DB      $A2,$D0,$CC,$0D,$20,$2D,$BB,$0D
1CD7 232D0002D2      DB      $23,$2D,$00,$02,$D2,$00,$0F,$FF
1CDF FF02D0DC00      DB      $FF,$02,$D0,$DC,$00,$00,$00,$00
*
* ROW 99
*
1CE7 0000000000      DB      $00,$00,$00,$00,$00,$2D,$20,$00
1CEF 2D0DC0D202      DB      $2D,$0D,$C0,$D2,$02,$D0,$2D,$00
1CF7 B2D0DDDD20      DB      $B2,$D0,$DD,$DD,$20,$2E,$EC,$0D
1CFF 202D0002D2      DB      $20,$2D,$00,$02,$D2,$00,$0F,$FF
1D07 FF02D0DC00      DB      $FF,$02,$D0,$DC,$00,$00,$00,$00
*
* ROW 100
*
1D0F 0000000000      DB      $00,$00,$00,$00,$00,$2E,$20,$00
    
```

```

1D17 2E00E0E202      DB      $2E,$00,$E0,$E2,$02,$E0,$2E,$00
1D1F 02E0DDEE20      DB      $02,$E0,$DD,$EE,$20,$2E,$EE,$0E
1D27 202E0002E2      DB      $20,$2E,$00,$02,$E2,$00,$0E,$FF
1D2F FE02E00E00      DB      $FE,$02,$E0,$0E,$00,$00,$00,$00
*
* ROW 101
*
1D37 0000000000      DB      $00,$00,$00,$00,$00,$2E,$20,$00
1D3F 2E00E0E202      DB      $2E,$00,$E0,$E2,$02,$E0,$2E,$00
1D47 02E00EEE20      DB      $02,$E0,$0E,$EE,$20,$2E,$FF,$0E
1D4F 202E0002E2      DB      $20,$2E,$00,$02,$E2,$00,$0E,$FF
1D57 FE02E00E00      DB      $FE,$02,$E0,$0E,$00,$00,$00,$00
*
* ROW 102
*
1D5F 0000000000      DB      $00,$00,$00,$00,$00,$2E,$20,$00
1D67 2E00E0E101      DB      $2E,$00,$E0,$E1,$01,$E0,$2E,$00
1D6F 02E00EEE10      DB      $02,$E0,$0E,$EE,$10,$2E,$FF,$0E
1D77 101E0002E2      DB      $10,$1E,$00,$02,$E2,$00,$00,$FF
1D7F F002E00E00      DB      $F0,$02,$E0,$0E,$00,$00,$00,$00
*
* ROW 103
*
1D87 0000000000      DB      $00,$00,$00,$00,$00,$1F,$10,$00
1D8F 1F00F0F101      DB      $1F,$00,$F0,$F1,$01,$F0,$1F,$00
1D97 01F01FFF10      DB      $01,$F0,$1F,$FF,$10,$1F,$FF,$0F
1D9F 101F0001F1      DB      $10,$1F,$00,$01,$F1,$00,$00,$FF
1DA7 F001F00F00      DB      $F0,$01,$F0,$0F,$00,$00,$00,$00
*
* ROW 104
*
1DAF 0000000000      DB      $00,$00,$00,$00,$00,$1F,$10,$00
1DB7 1F00F0F101      DB      $1F,$00,$F0,$F1,$01,$F0,$1F,$00
1DBF 01F001F100      DB      $01,$F0,$01,$F1,$00,$1F,$FF,$0F
1DC7 101F0001F1      DB      $10,$1F,$00,$01,$F1,$00,$00,$FF
1DCF F001F00F00      DB      $F0,$01,$F0,$0F,$00,$00,$00,$00
*
* ROW 105
*
1DD7 0000000000      DB      $00,$00,$00,$00,$00,$1F,$10,$00
1DDF 1F00F0F101      DB      $1F,$00,$F0,$F1,$01,$F0,$1F,$00
1DE7 01F001F100      DB      $01,$F0,$01,$F1,$00,$1F,$FF,$0F
1DEF 101F0001F1      DB      $10,$1F,$00,$01,$F1,$00,$00,$00
1DF7 0001F00F00      DB      $00,$01,$F0,$0F,$00,$00,$00,$00
1DFE
1DFE      ESCR1
1DFE      INCLUDE D2:XLSCR2.ASM
    
```

```

; -----
; Display List for GTIA Screen #2
; -----

1DFF = 1DFF          ORG      *0
                    = FFFF          IF      [low *] <= 0
1DFF                    ALIGN
                    ENDIF

1E00                SSCR2

1E00 = 1000#         LOC      SSCR1          ;Overlay previous display area
1000# 4510           DW      DLINK2
1002# A0             DB      $A0

1003# 7070707070    DLST3   DB      $70,$70,$70,$70,$70,$70,$50,$4F
100B# 4710           DW      SSM2
100D# 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1016# 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$30
1020# 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
102A# 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
1034# 0F0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
103E# 0F0F707070    DB      $0F,$0F,$70,$70,$70,$10,$81
1045# 0030           DLINK2  DW      SSCR3

1047#                SSM2          ;Screen image
                    *
                    * ROW 30
                    *
1047# 0000003333    DB      $00,$00,$00,$33,$33,$33,$03,$33
104F# 3300033330    DB      $33,$00,$03,$33,$30,$03,$33,$33
1057# 3003333003    DB      $30,$03,$33,$30,$03,$00,$00,$00
105F# 0333300333    DB      $03,$33,$30,$03,$33,$33,$30,$33
1067# 3333033333    DB      $33,$33,$03,$33,$33,$00,$00,$00
                    *
                    * ROW 31
                    *
106F# 0000000033    DB      $00,$00,$00,$00,$33,$00,$03,$00
1077# 3300030330    DB      $33,$00,$03,$03,$30,$03,$00,$33
107F# 3003033003    DB      $30,$03,$03,$30,$03,$00,$00,$00
1087# 0303300003    DB      $03,$03,$30,$00,$03,$30,$00,$30
108F# 0003030033    DB      $00,$03,$03,$00,$33,$00,$00,$00
                    *
                    * ROW 32
                    *
1097# 0000000044    DB      $00,$00,$00,$00,$44,$00,$04,$00
109F# 0400040040    DB      $04,$00,$04,$00,$40,$04,$00,$00
10A7# 4004000004    DB      $40,$04,$00,$00,$04,$00,$00,$00
10AF# 0400400004    DB      $04,$00,$40,$00,$04,$40,$00,$40
10B7# 0004040004    DB      $00,$04,$04,$00,$04,$00,$00,$00
                    *
                    * ROW 33
    
```

```

*
10BF# 0000000044      DB      $00,$00,$00,$00,$44,$00,$04,$00
10C7# 0400040040      DB      $04,$00,$04,$00,$40,$04,$00,$00
10CF# 4004000004      DB      $40,$04,$00,$00,$04,$00,$00,$00
10D7# 0400400004      DB      $04,$00,$40,$00,$04,$40,$00,$40
10DF# 0004040004      DB      $00,$04,$04,$00,$04,$00,$00,$00
*
* ROW 34
*
10E7# 0000000055      DB      $00,$00,$00,$00,$55,$00,$05,$00
10EF# 0500050050      DB      $05,$00,$05,$00,$50,$05,$00,$00
10F7# 5005000004      DB      $50,$05,$00,$00,$04,$00,$00,$00
10FF# 0500500005      DB      $05,$00,$50,$00,$05,$50,$00,$50
1107# 0005050005      DB      $00,$05,$05,$00,$05,$00,$00,$00
*
* ROW 35
*
110F# 0000000055      DB      $00,$00,$00,$00,$55,$00,$05,$00
1117# 0500050050      DB      $05,$00,$05,$00,$50,$05,$00,$00
111F# 5005000004      DB      $50,$05,$00,$00,$04,$00,$00,$00
1127# 0500500005      DB      $05,$00,$50,$00,$05,$50,$00,$50
112F# 0005050005      DB      $00,$05,$05,$00,$05,$00,$00,$00
*
* ROW 36
*
1137# 0000000066      DB      $00,$00,$00,$00,$66,$00,$06,$00
113F# 0600060060      DB      $06,$00,$06,$00,$60,$06,$00,$00
1147# 6006000005      DB      $60,$06,$00,$00,$05,$00,$00,$00
114F# 0606000006      DB      $06,$06,$60,$00,$06,$60,$00,$60
1157# 0006060066      DB      $00,$06,$06,$00,$66,$60,$00,$00
*
* ROW 37
*
115F# 0000000077      DB      $00,$00,$00,$00,$77,$00,$07,$00
1167# 7700070770      DB      $77,$00,$07,$07,$70,$07,$00,$00
116F# 7007000008      DB      $70,$07,$00,$00,$08,$00,$00,$00
1177# 0707700007      DB      $07,$07,$70,$00,$07,$70,$00,$70
117F# 0007077777      DB      $00,$07,$07,$77,$77,$70,$00,$00
*
* ROW 38
*
1187# 0000000077      DB      $00,$00,$00,$00,$77,$00,$07,$77
118F# 7770777777      DB      $77,$70,$77,$77,$77,$07,$00,$00
1197# 7007000008      DB      $70,$07,$00,$00,$08,$00,$00,$00
119F# 7777770007      DB      $77,$77,$77,$00,$07,$70,$00,$70
11A7# 0007077777      DB      $00,$07,$07,$77,$77,$70,$00,$00
*
* ROW 39
*
11AF# 0000000088      DB      $00,$00,$00,$00,$88,$00,$08,$88
11B7# 8880888888      DB      $88,$80,$88,$88,$88,$08,$00,$00
11BF# 8008888808      DB      $80,$08,$88,$88,$08,$00,$00,$00
11C7# 8888880008      DB      $88,$88,$88,$00,$08,$80,$00,$80
11CF# 0008088008      DB      $00,$08,$08,$80,$00,$80,$00,$00
*
* ROW 40
*

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```

11D7# 0000000088      DB      $00,$00,$00,$00,$88,$00,$08,$80
11DF# 0080880008      DB      $00,$80,$88,$00,$08,$08,$80,$00
11E7# 8008888808      DB      $80,$08,$88,$88,$08,$99,$00,$00
11EF# 8800080008      DB      $88,$00,$08,$00,$08,$89,$00,$80
11F7# 0008088000      DB      $00,$08,$08,$80,$00,$80,$00,$00
*
* ROW 41
*
11FF# 0000000099      DB      $00,$00,$00,$00,$99,$A0,$09,$90
1207# 0090990009      DB      $00,$90,$99,$00,$09,$09,$90,$00
120F# 9000009908      DB      $90,$00,$00,$99,$08,$AA,$00,$00
1217# 9900090009      DB      $99,$00,$09,$00,$09,$9A,$00,$90
121F# 0090990000      DB      $00,$09,$09,$90,$00,$90,$00,$00
*
* ROW 42
*
1227# 00000000AA      DB      $00,$00,$00,$00,$AA,$A0,$0A,$A0
122F# 00A0AA000A      DB      $00,$A0,$AA,$00,$0A,$0A,$A0,$00
1237# A00000AA09      DB      $A0,$00,$00,$AA,$09,$AA,$00,$00
123F# AA000A000A      DB      $AA,$00,$0A,$00,$0A,$AA,$00,$A0
1247# 00A0AA0000      DB      $00,$0A,$0A,$A0,$00,$A0,$00,$00
*
* ROW 43
*
124F# 00000000BB      DB      $00,$00,$00,$00,$BB,$B0,$0B,$B0
1257# 00B0BB000B      DB      $00,$B0,$BB,$00,$0B,$0B,$B0,$00
125F# B00000BB09      DB      $B0,$00,$00,$BB,$09,$BB,$00,$00
1267# BB000B000B      DB      $BB,$00,$0B,$00,$0B,$BB,$00,$B0
126F# 00B0BB0000      DB      $00,$0B,$0B,$B0,$00,$B0,$00,$00
*
* ROW 44
*
1277# 00000000BB      DB      $00,$00,$00,$00,$BB,$B0,$0B,$B0
127F# 00B0BB000B      DB      $00,$B0,$BB,$00,$0B,$0B,$B0,$00
1287# B00000BB0B      DB      $B0,$00,$00,$BB,$0B,$BB,$00,$00
128F# BB000B000B      DB      $BB,$00,$0B,$00,$0B,$BB,$00,$B0
1297# 00BB0BB000      DB      $00,$BB,$0B,$B0,$00,$B0,$00,$00
*
* ROW 45
*
129F# 00000000EE      DB      $00,$00,$00,$00,$EE,$E0,$0E,$E0
12A7# 00E0EE000E      DB      $00,$E0,$EE,$00,$0E,$0E,$E0,$00
12AF# E00000EE0E      DB      $E0,$00,$00,$EE,$0E,$EE,$00,$00
12B7# EE000E000E      DB      $EE,$00,$0E,$00,$0E,$EE,$00,$E0
12BF# 00EE0EE000      DB      $00,$EE,$0E,$E0,$00,$E0,$00,$00
*
* ROW 46
*
12C7# 00000000EE      DB      $00,$00,$00,$00,$EE,$E0,$0E,$E0
12CF# 00E0EE000E      DB      $00,$E0,$EE,$00,$0E,$0E,$E0,$00
12D7# E09999990E      DB      $E0,$99,$99,$99,$0E,$EF,$00,$00
12DF# EE000E000E      DB      $EE,$00,$0E,$00,$0E,$EE,$00,$E0
12E7# 00EE0EE000      DB      $00,$EE,$0E,$E0,$00,$E0,$00,$00
*
* ROW 47
*
12EF# 00000000FF      DB      $00,$00,$00,$00,$FF,$F0,$0F,$F0
    
```



```

12F7# 00F0FF000F      DB      $00,$F0,$FF,$00,$0F,$0F,$F0,$00
12FF# F0FFFFFF0F      DB      $F0,$FF,$FF,$FF,$0F,$FF,$FF,$F0
1307# FF00F000F      DB      $FF,$00,$0F,$00,$0F,$FF,$00,$FF
130F# FFFF0FF000      DB      $FF,$FF,$0F,$F0,$00,$F0,$00,$00
*
* ROW 52
*
1317# 00000000FF      DB      $00,$00,$00,$00,$FF,$F0,$0F,$F0
131F# 00F0FF000F      DB      $00,$F0,$FF,$00,$0F,$0F,$F0,$00
1327# F0FFFFFF0F      DB      $F0,$FF,$FF,$FF,$0F,$FF,$FF,$F0
132F# FF00F000F      DB      $FF,$00,$0F,$00,$0F,$FF,$00,$FF
1337# FFFF0FF000      DB      $FF,$FF,$0F,$F0,$00,$F0,$00,$00
*
* ROW 53
*
133F# 00000000CC      DB      $00,$00,$00,$00,$CC,$C0,$0C,$C0
1347# 00C0CC000C      DB      $00,$C0,$CC,$00,$0C,$0C,$C0,$00
134F# C0CCCC000C      DB      $C0,$CC,$CC,$CC,$0C,$CC,$CC,$C0
1357# CC00C000C      DB      $CC,$00,$0C,$00,$0C,$CC,$00,$CC
135F# CCCC0CC000      DB      $CC,$CC,$0C,$C0,$00,$C0,$00,$00
*
* ROW 54
*
1367# 00000000CC      DB      $00,$00,$00,$00,$CC,$C0,$0C,$C0
136F# 00C0CC000C      DB      $00,$C0,$CC,$00,$0C,$0C,$C0,$00
1377# C0CCCC000C      DB      $C0,$CC,$CC,$CC,$0C,$CC,$CC,$C0
137F# CC00C000C      DB      $CC,$00,$0C,$00,$0C,$CC,$00,$CC
1387# CCCC0CC000      DB      $CC,$CC,$0C,$C0,$00,$C0,$00,$00
*
* ROW 55
*
138F# 00000000BB      DB      $00,$00,$00,$00,$BB,$B0,$0B,$B0
1397# 00B0BB000B      DB      $00,$B0,$BB,$00,$0B,$0B,$B0,$00
139F# B0B000BB0B      DB      $B0,$B0,$00,$BB,$0B,$BB,$00,$00
13A7# BB000B000B      DB      $BB,$00,$0B,$00,$0B,$BB,$00,$B0
13AF# 00BB0BB000      DB      $00,$BB,$0B,$B0,$00,$B0,$00,$00
*
* ROW 56
*
13B7# 00000000BB      DB      $00,$00,$00,$00,$BB,$B0,$0B,$B0
13BF# 00B0BB000B      DB      $00,$B0,$BB,$00,$0B,$0B,$B0,$00
13C7# B0B000BB0B      DB      $B0,$B0,$00,$BB,$0B,$BB,$00,$00
13CF# BB000B000B      DB      $BB,$00,$0B,$00,$0B,$BB,$00,$B0
13D7# 00BB0BB000      DB      $00,$BB,$0B,$B0,$00,$B0,$00,$00
*
* ROW 57
*
13DF# 00000000AA      DB      $00,$00,$00,$00,$AA,$A0,$0A,$A0
13E7# 00A0AA000A      DB      $00,$A0,$AA,$00,$0A,$0A,$A0,$00
13EF# A0A000AA0A      DB      $A0,$A0,$00,$AA,$0A,$AA,$00,$00
13F7# AA000A000A      DB      $AA,$00,$0A,$00,$0A,$AA,$00,$A0
13FF# 00AA0AA000      DB      $00,$AA,$0A,$A0,$00,$A0,$00,$00
*
* ROW 58
*
1407# 00000000AA      DB      $00,$00,$00,$00,$AA,$A0,$0A,$A0
140F# 00A0AA000A      DB      $00,$A0,$AA,$00,$0A,$0A,$A0,$00
    
```

```

1417# A0A000AA0A      DB      $A0,$A0,$00,$AA,$0A,$AA,$00,$00
141F# AA000A000A      DB      $AA,$00,$0A,$00,$0A,$AA,$00,$A0
1427# 00AA0AA000      DB      $00,$AA,$0A,$A0,$00,$A0,$00,$00
*
* ROW 59
*
142F# 0000000099      DB      $00,$00,$00,$00,$99,$90,$09,$90
1437# 0090990009      DB      $00,$90,$99,$00,$09,$09,$90,$00
143F# 9000099909      DB      $90,$00,$00,$99,$09,$99,$00,$00
1447# 9900090009      DB      $99,$00,$09,$00,$09,$99,$00,$90
144F# 0099099000      DB      $00,$99,$09,$90,$00,$90,$00,$00
*
* ROW 60
*
1457# 0000000099      DB      $00,$00,$00,$00,$99,$90,$09,$90
145F# 0090990009      DB      $00,$90,$99,$00,$09,$09,$90,$00
1467# 9000099909      DB      $90,$00,$00,$99,$09,$99,$00,$00
146F# 9900090009      DB      $99,$00,$09,$00,$09,$99,$00,$90
1477# 0099099000      DB      $00,$99,$09,$90,$00,$90,$00,$00
*
* ROW 61
*
147F# 0000000088      DB      $00,$00,$00,$00,$88,$80,$08,$80
1487# 0080880008      DB      $00,$80,$88,$00,$08,$08,$80,$00
148F# 8000088808      DB      $80,$00,$00,$88,$08,$88,$00,$00
1497# 8800080008      DB      $88,$00,$08,$00,$08,$88,$00,$80
149F# 0088088000      DB      $00,$88,$08,$80,$00,$80,$00,$00
*
* ROW 62
*
14A7# 0000000088      DB      $00,$00,$00,$00,$88,$80,$08,$80
14AF# 0080880008      DB      $00,$80,$88,$00,$08,$08,$80,$00
14B7# 8000088808      DB      $80,$00,$00,$88,$08,$88,$00,$00
14BF# 8800080008      DB      $88,$00,$08,$00,$08,$88,$00,$80
14C7# 0088088000      DB      $00,$88,$08,$80,$00,$80,$00,$00
*
* ROW 63
*
14CF# 0000000077      DB      $00,$00,$00,$00,$77,$70,$07,$70
14D7# 0070770007      DB      $00,$70,$77,$00,$07,$07,$70,$00
14DF# 7000077707      DB      $70,$00,$00,$77,$07,$77,$00,$00
14E7# 7700070007      DB      $77,$00,$07,$00,$07,$77,$00,$70
14EF# 0077077000      DB      $00,$77,$07,$70,$00,$70,$00,$00
*
* ROW 64
*
14F7# 0000000077      DB      $00,$00,$00,$00,$77,$70,$07,$70
14FF# 0070770007      DB      $00,$70,$77,$00,$07,$07,$70,$00
1507# 7000077707      DB      $70,$00,$00,$77,$07,$77,$00,$00
150F# 7700070007      DB      $77,$00,$07,$00,$07,$77,$00,$70
1517# 0077077000      DB      $00,$77,$07,$70,$00,$70,$00,$00
*
* ROW 65
*
151F# 0000000066      DB      $00,$00,$00,$00,$66,$60,$06,$60
1527# 0060660006      DB      $00,$60,$66,$00,$06,$06,$60,$00
152F# 6000066600      DB      $60,$00,$00,$66,$06,$66,$00,$00
    
```

```

1537# 6600060006      DB      $66,$00,$06,$00,$06,$66,$00,$60
153F# 0060660006      DB      $00,$66,$06,$60,$00,$60,$00,$00
*
* ROW 66
*
1547# 0000000066      DB      $00,$00,$00,$00,$66,$60,$06,$60
154F# 0060660006      DB      $00,$60,$66,$00,$06,$06,$60,$00
1557# 6000006606      DB      $60,$00,$00,$66,$06,$66,$00,$00
155F# 6600060006      DB      $66,$00,$06,$00,$06,$66,$00,$60
1567# 0060660006      DB      $00,$06,$06,$60,$00,$60,$00,$00
*
* ROW 67
*
156F# 0000000055      DB      $00,$00,$00,$00,$55,$50,$05,$50
1577# 0050550005      DB      $00,$50,$55,$00,$05,$05,$50,$00
157F# 5000055005      DB      $50,$00,$00,$55,$05,$55,$00,$00
1587# 5500050005      DB      $55,$00,$05,$00,$05,$55,$00,$50
158F# 0005055000      DB      $00,$05,$05,$50,$00,$50,$00,$00
*
* ROW 68
*
1597# 0000000055      DB      $00,$00,$00,$00,$55,$50,$05,$50
159F# 0050550005      DB      $00,$50,$55,$00,$05,$05,$50,$00
15A7# 5000055005      DB      $50,$00,$00,$55,$05,$55,$00,$00
15AF# 5500050005      DB      $55,$00,$05,$00,$05,$55,$00,$50
15B7# 0005055000      DB      $00,$05,$05,$50,$00,$50,$00,$00
*
* ROW 69
*
15BF# 0000000044      DB      $00,$00,$00,$00,$44,$10,$04,$40
15C7# 0040440004      DB      $00,$40,$44,$00,$04,$04,$40,$00
15CF# 4000044004      DB      $40,$00,$00,$44,$04,$00,$00,$00
15D7# 4400040004      DB      $44,$00,$04,$00,$04,$40,$00,$40
15DF# 0004044000      DB      $00,$04,$04,$40,$00,$40,$00,$00
*
* ROW 70
*
15E7# 0000000044      DB      $00,$00,$00,$00,$44,$00,$04,$40
15EF# 0040440004      DB      $00,$40,$44,$00,$04,$04,$40,$00
15F7# 4000044004      DB      $40,$00,$00,$44,$04,$00,$00,$00
15FF# 4400040004      DB      $44,$00,$04,$00,$04,$40,$00,$40
1607# 0004044000      DB      $00,$04,$04,$40,$00,$40,$00,$00
*
* ROW 71
*
160F# 0000000033      DB      $00,$00,$00,$00,$33,$00,$03,$30
1617# 0030330003      DB      $00,$30,$33,$00,$03,$03,$30,$00
161F# 3003333003      DB      $30,$03,$33,$33,$03,$00,$00,$00
1627# 3300030003      DB      $33,$00,$03,$00,$03,$30,$00,$30
162F# 0003043000      DB      $00,$03,$04,$30,$00,$30,$00,$00
*
* ROW 72
*
1637# 0000000033      DB      $00,$00,$00,$00,$33,$00,$03,$33
163F# 3330333333      DB      $33,$30,$33,$33,$33,$03,$00,$00
1647# 3003333003      DB      $30,$03,$33,$33,$03,$00,$00,$00
164F# 3333330003      DB      $33,$33,$33,$00,$03,$30,$00,$30
    
```

```

1657# 0003033000      DB      $00,$03,$03,$30,$00,$30,$00,$00
*
* ROW 73
*
165F# 0000000022      DB      $00,$00,$00,$00,$22,$00,$02,$22
1667# 2220222222      DB      $22,$20,$22,$22,$22,$02,$00,$00
166F# 2002000002      DB      $20,$02,$00,$00,$02,$00,$00,$00
1677# 2222220002      DB      $22,$22,$22,$00,$02,$20,$00,$20
167F# 0002022022      DB      $00,$02,$02,$20,$22,$20,$00,$00
*
* ROW 74
*
1687# 0000000088      DB      $00,$00,$00,$00,$88,$00,$08,$00
168F# 0800080081      DB      $08,$00,$08,$00,$81,$08,$00,$00
1697# 8008000008      DB      $80,$08,$00,$00,$08,$00,$00,$00
169F# 0818800008      DB      $08,$18,$80,$00,$08,$80,$00,$80
16A7# 0008080088      DB      $00,$08,$08,$00,$88,$80,$00,$00
*
* ROW 75
*
16AF# 00000000AA      DB      $00,$00,$00,$00,$AA,$00,$0A,$00
16B7# 0A000A00A0      DB      $0A,$00,$0A,$00,$A0,$0A,$00,$00
16BF# A00A00000A      DB      $A0,$0A,$00,$00,$0A,$00,$00,$00
16C7# 0A0AA0000A      DB      $0A,$0A,$A0,$00,$0A,$A0,$00,$A0
16CF# 000A0A00FA      DB      $00,$0A,$0A,$00,$FA,$A0,$00,$00
*
* ROW 76
*
16D7# 00000000FF      DB      $00,$00,$00,$00,$FF,$00,$0F,$00
16DF# 0F000F00F0      DB      $0F,$00,$0F,$00,$F0,$0F,$00,$00
16E7# F00F00000F      DB      $F0,$0F,$00,$00,$0F,$00,$00,$00
16EF# 0F00F0000F      DB      $0F,$00,$F0,$00,$0F,$F0,$00,$F0
16F7# 000F0F000F      DB      $00,$0F,$0F,$00,$0F,$00,$00,$00
*
* ROW 77
*
16FF# 00000000EE      DB      $00,$00,$00,$00,$EE,$00,$0E,$00
1707# 0E000E00E0      DB      $0E,$00,$0E,$00,$E0,$0E,$00,$00
170F# E00E00000E      DB      $E0,$0E,$00,$00,$0E,$00,$00,$00
1717# 0E00E0000E      DB      $0E,$00,$E0,$00,$0E,$E0,$00,$E0
171F# 000E0E000E      DB      $00,$0E,$0E,$00,$0E,$00,$00,$00
*
* ROW 78
*
1727# 00000000EE      DB      $00,$00,$00,$00,$EE,$00,$0E,$00
172F# 0E000E00E0      DB      $0E,$00,$0E,$00,$E0,$0E,$00,$00
1737# E00E00000E      DB      $E0,$0E,$00,$00,$0E,$00,$00,$00
173F# 0E00E0000E      DB      $0E,$00,$E0,$00,$0E,$E0,$00,$E0
1747# 000E0E000E      DB      $00,$0E,$0E,$00,$0E,$00,$00,$00
*
* ROW 79
*
174F# 00000000DD      DB      $00,$00,$00,$00,$DD,$00,$0D,$00
1757# 0D000D00D0      DB      $0D,$00,$0D,$00,$D0,$0D,$00,$00
175F# D00D00000D      DB      $D0,$0D,$00,$00,$0D,$00,$00,$00
1767# 0D00D0000D      DB      $0D,$00,$D0,$00,$0D,$D0,$00,$D0
176F# 000D0D000D      DB      $00,$0D,$0D,$00,$0D,$00,$00,$00
    
```

```

*
* ROW 80
*
1777# 00000000DD      DB      $00,$00,$00,$00,$DD,$00,$0D,$00
177F# 00000000D0      DB      $0D,$00,$0D,$00,$D0,$0D,$00,$00
1787# D00D0000D0      DB      $D0,$0D,$00,$00,$0D,$00,$00,$00
178F# 0D00D000D0      DB      $0D,$00,$D0,$00,$0D,$D0,$00,$D0
1797# 000D0000D0      DB      $00,$0D,$0D,$00,$0D,$00,$00,$00
*
* ROW 81
*
179F# 00000000CC      DB      $00,$00,$00,$00,$CC,$00,$0C,$00
17A7# CC000C0CC0      DB      $CC,$00,$0C,$0C,$C0,$0C,$00,$CC
17AF# C00C0CC00C      DB      $C0,$0C,$0C,$C0,$0C,$00,$00,$00
17B7# 0C0CC0000C      DB      $0C,$0C,$C0,$00,$0C,$C0,$00,$C0
17BF# 000C0C00CC      DB      $00,$0C,$0C,$00,$CC,$00,$00,$00
*
* ROW 82
*
17C7# 000000CCCC      DB      $00,$00,$00,$CC,$CC,$CC,$0C,$CC
17CF# CC000CCCC0      DB      $CC,$00,$0C,$CC,$C0,$0C,$CC,$CC
17D7# C00CCCC00C      DB      $C0,$0C,$CC,$C0,$0C,$00,$00,$00
17DF# 0CCCC00CCC      DB      $0C,$CC,$C0,$0C,$CC,$CC,$C0,$CC
17E7# CCCC0CCCCC      DB      $CC,$CC,$0C,$CC,$CC,$00,$00,$00
*
* ROW 83
*
17EF# 000000BBBB      DB      $00,$00,$00,$BB,$BB,$BB,$0B,$BB
17F7# BB000BBBB0      DB      $BB,$00,$0B,$BB,$B0,$0B,$BB,$BB
17FF# B00BBBB00B      DB      $B0,$0B,$BB,$B0,$0B,$00,$00,$00
1807# 0BBBB00BBB      DB      $0B,$BB,$B0,$0B,$BB,$BB,$B0,$BB
180F# BBBB0BBBBB      DB      $BB,$BB,$0B,$BB,$BB,$00,$00,$00
*
1817# = 2617          ORG      *0
2617          ESCR2
                INCLUDE D2:XLSCR3.ASM
    
```

```

; -----
; Display List for lower portion of GTIA screens
; -----

= FFFF          IF      [* and $0FFF] <> 0
2617 = 3000      ORG    [[* and $F000]+$1000]
                ENDIF

3000            SSCR3
3000 4F          DB      $4F
3001 4630        DW      SSM3
3003 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
300B 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
3013 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
301B 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
3023 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
302B 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
3033 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
303B 0F0F0F0F    DB      $0F,$0F,$0F,$0F,$0F,$0F,$0F,$0F
3043 41          DB      $41
3044 0310        DW      DLST2

3046            SSM3
                *
                * ROW 98
                *
3046 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
304E 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
3056 00000FFFFF    DB      $00,$00,$0F,$FF,$FF,$FF,$00,$00
305E 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
3066 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
                *
                * ROW 99
                *
306E 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
3076 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
307E 11111FFFFF    DB      $11,$11,$1F,$FF,$FF,$FF,$11,$11
3086 1000000000    DB      $10,$00,$00,$00,$00,$00,$00,$00
308E 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
                *
                * ROW 100
                *
3096 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
309E 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
30A6 11111FFFFF    DB      $11,$11,$1F,$FF,$FF,$FF,$11,$11
30AE 1000000000    DB      $10,$00,$00,$00,$00,$00,$00,$00
30B6 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
                *
                * ROW 101
                *
30BE 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
30C6 0000000000    DB      $00,$00,$00,$00,$00,$00,$00,$00
30CE 11111EEEEEE    DB      $11,$11,$1E,$EE,$EE,$EE,$11,$11
    
```

```

30D6 1000000000      DB      $10,$00,$00,$00,$00,$00,$00,$00
30DE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 102
      *
30E6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
30EE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
30F6 22222EEEEEE      DB      $22,$22,$2E,$EE,$EE,$EE,$22,$22
30FE 2000000000      DB      $20,$00,$00,$00,$00,$00,$00,$00
3106 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 103
      *
310E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3116 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
311E 22222EEEEEE      DB      $22,$22,$2E,$EE,$EE,$EE,$22,$22
3126 2000000000      DB      $20,$00,$00,$00,$00,$00,$00,$00
312E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 104
      *
3136 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
313E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3146 22222DDDDDD      DB      $22,$22,$2D,$DD,$DD,$DD,$22,$22
314E 2000000000      DB      $20,$00,$00,$00,$00,$00,$00,$00
3156 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 105
      *
315E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3166 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
316E 33333DDDDDD      DB      $33,$33,$3D,$DD,$DD,$DD,$33,$33
3176 3000000000      DB      $30,$00,$00,$00,$00,$00,$00,$00
317E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 106
      *
3186 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
318E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3196 33333DDDDDD      DB      $33,$33,$3D,$DD,$DD,$DD,$33,$33
319E 3000000000      DB      $30,$00,$00,$00,$00,$00,$00,$00
31A6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 107
      *
31AE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
31B6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
31BE 44444CCCCC      DB      $44,$44,$4C,$CC,$CC,$CC,$44,$44
31C6 4000000000      DB      $40,$00,$00,$00,$00,$00,$00,$00
31CE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
      *
      * ROW 108
      *
31D6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
31DE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
31E6 44444CCCCC      DB      $44,$44,$4C,$CC,$CC,$CC,$44,$44
31EE 4000000000      DB      $40,$00,$00,$00,$00,$00,$00,$00
    
```

```

31F6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 109
*
31FE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3206 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
320E 44444CCCCC DB $44,$44,$4C,$CC,$CC,$CC,$44,$44
3216 4000000000 DB $40,$00,$00,$00,$00,$00,$00,$00
321E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 110
*
3226 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
322E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3236 55555BBBBB DB $55,$55,$5B,$BB,$BB,$BB,$55,$55
323E 5000000000 DB $50,$00,$00,$00,$00,$00,$00,$00
3246 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 111
*
324E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3256 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
325E 55555BBBBB DB $55,$55,$5B,$BB,$BB,$BB,$55,$55
3266 5000000000 DB $50,$00,$00,$00,$00,$00,$00,$00
326E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 112
*
3276 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
327E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3286 66666BBBBB DB $66,$66,$6B,$BB,$BB,$BB,$66,$66
328E 6000000000 DB $60,$00,$00,$00,$00,$00,$00,$00
3296 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 113
*
329E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32A6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32AE 66666AAAAA DB $66,$66,$6A,$AA,$AA,$AA,$66,$66
32B6 6000000000 DB $60,$00,$00,$00,$00,$00,$00,$00
32BE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 114
*
32C6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32CE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32D6 66666AAAAA DB $66,$66,$6A,$AA,$AA,$AA,$66,$66
32DE 6000000000 DB $60,$00,$00,$00,$00,$00,$00,$00
32E6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 115
*
32EE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32F6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
32FE 77777AAAAA DB $77,$77,$7A,$AA,$AA,$AA,$77,$77
3306 7000000000 DB $70,$00,$00,$00,$00,$00,$00,$00
330E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
    
```



```

*
* ROW 116
*
3316 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
331E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3326 7777788888 DB $77,$77,$78,$88,$88,$88,$77,$77
332E 7000000000 DB $70,$00,$00,$00,$00,$00,$00,$00
3336 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 117
*
333E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3346 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
334E 7777799889 DB $77,$77,$79,$98,$89,$88,$77,$77
3356 7000000000 DB $70,$00,$00,$00,$00,$00,$00,$00
335E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 118
*
3366 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
336E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3376 8888888888 DB $88,$88,$88,$88,$88,$88,$88,$88
337E 8000000000 DB $80,$00,$00,$00,$00,$00,$00,$00
3386 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 119
*
338E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
3396 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
339E 8888888888 DB $88,$88,$88,$88,$88,$88,$88,$88
33A6 8000000000 DB $80,$00,$00,$00,$00,$00,$00,$00
33AE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 120
*
33B6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
33BE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
33C6 9889877777 DB $98,$89,$87,$77,$77,$77,$88,$98
33CE 8000000000 DB $80,$00,$00,$00,$00,$00,$00,$00
33D6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00
*
* ROW 121
*
33DE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$FF
33E6 FFF0000000 DB $FF,$F0,$00,$00,$00,$FF,$FF,$F0
33EE 8888877777 DB $88,$88,$87,$77,$77,$77,$88,$88
33F6 80FFFFF000 DB $80,$FF,$FF,$F0,$00,$00,$00,$FF
33FE FFF0000000 DB $FF,$F0,$00,$00,$00,$00,$00,$00
*
* ROW 122
*
3406 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$FF
340E FFF1111111 DB $FF,$F1,$11,$11,$11,$FF,$FF,$F0
3416 AAAAA77777 DB $AA,$AA,$A7,$77,$77,$77,$AA,$AA
341E A0FFFFF111 DB $A0,$FF,$FF,$F1,$11,$11,$11,$FF
3426 FFF0000000 DB $FF,$F0,$00,$00,$00,$00,$00,$00
*
    
```

```

* ROW 123
*
342E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$FF
3436 FFF1111111      DB      $FF,$F1,$11,$11,$11,$FF,$FF,$F0
343E AAAAA66666      DB      $AA,$AA,$A6,$66,$66,$66,$AA,$AA
3446 A0FFFFFF11      DB      $A0,$FF,$FF,$F1,$11,$11,$11,$FF
344E FFF0000000      DB      $FF,$F0,$00,$00,$00,$00,$00,$00

*
* ROW 124
*
3456 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$EE
345E EEE1111111      DB      $EE,$E1,$11,$11,$11,$EE,$EE,$E0
3466 AAAAA66666      DB      $AA,$AA,$A6,$66,$66,$66,$AA,$AA
346E A0EEEEEE11      DB      $A0,$EE,$EE,$E1,$11,$11,$11,$EE
3476 EEE0000000      DB      $EE,$E0,$00,$00,$00,$00,$00,$00

*
* ROW 125
*
347E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$EE
3486 EEE2222222      DB      $EE,$E2,$22,$22,$22,$EE,$EE,$E0
348E BBBB666666      DB      $BB,$BB,$B6,$66,$66,$66,$BB,$BB
3496 B0EEEEEE22      DB      $B0,$EE,$EE,$E2,$22,$22,$22,$EE
349E EEE0000000      DB      $EE,$E0,$00,$00,$00,$00,$00,$00

*
* ROW 126
*
34A6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$EE
34AE EEE2222222      DB      $EE,$E2,$22,$22,$22,$EE,$EE,$E0
34B6 BBBB555555      DB      $BB,$BB,$B5,$55,$55,$55,$BB,$BB
34BE B0EEEEEE22      DB      $B0,$EE,$EE,$E2,$22,$22,$22,$EE
34C6 EEE0000000      DB      $EE,$E0,$00,$00,$00,$00,$00,$00

*
* ROW 127
*
34CE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$DD
34D6 DDD2222222      DB      $DD,$D2,$22,$22,$22,$DD,$DD,$D0
34DE BBBB555555      DB      $BB,$BB,$B5,$55,$55,$55,$BB,$BB
34E6 B0DDDDDD22      DB      $B0,$DD,$DD,$D2,$22,$22,$22,$DD
34EE DDD0000000      DB      $DD,$D0,$00,$00,$00,$00,$00,$00

*
* ROW 128
*
34F6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$DD
34FE DDD3333333      DB      $DD,$D3,$33,$33,$33,$DD,$DD,$D0
3506 CCCCC44444      DB      $CC,$CC,$C4,$44,$44,$44,$CC,$CC
350E C0DDDDDD333      DB      $C0,$DD,$DD,$D3,$33,$33,$33,$DD
3516 DDD0000000      DB      $DD,$D0,$00,$00,$00,$00,$00,$00

*
* ROW 129
*
351E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$DD
3526 DDD3333333      DB      $DD,$D3,$33,$33,$33,$DD,$DD,$D0
352E CCCCC44444      DB      $CC,$CC,$C4,$44,$44,$44,$CC,$CC
3536 C0DDDDDD333      DB      $C0,$DD,$DD,$D3,$33,$33,$33,$DD
353E DDD0000000      DB      $DD,$D0,$00,$00,$00,$00,$00,$00

*
* ROW 130

```

```

*
3546 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$CC
354E CCC4444444 DB $CC,$C4,$44,$44,$44,$CC,$CC,$C0
3556 CCCC444444 DB $CC,$CC,$C4,$44,$44,$44,$CC,$CC
355E C0CCCC4444 DB $C0,$CC,$CC,$C4,$44,$44,$44,$CC
3566 CCC0000000 DB $CC,$C0,$00,$00,$00,$00,$00,$00
*
* ROW 131
*
356E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$CC
3576 CCC4444444 DB $CC,$C4,$44,$44,$44,$CC,$CC,$C0
357E DDDDD33333 DB $DD,$DD,$D3,$33,$33,$33,$DD,$DD
3586 D0CCCC4444 DB $D0,$CC,$CC,$C4,$44,$44,$44,$CC
358E CCC0000000 DB $CC,$C0,$00,$00,$00,$00,$00,$00
*
* ROW 132
*
3596 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$CC
359E CCC4444444 DB $CC,$C4,$44,$44,$44,$CC,$CC,$C0
35A6 DDDDD33333 DB $DD,$DD,$D3,$33,$33,$33,$DD,$DD
35AE D0CCCC4444 DB $D0,$CC,$CC,$C4,$44,$44,$44,$CC
35B6 CCC0000000 DB $CC,$C0,$00,$00,$00,$00,$00,$00
*
* ROW 133
*
35BE 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$BB
35C6 BBB5555555 DB $BB,$B5,$55,$55,$55,$BB,$BB,$B0
35CE DDDDD22222 DB $DD,$DD,$D2,$22,$22,$22,$DD,$DD
35D6 D0BBBBB555 DB $D0,$BB,$BB,$B5,$55,$55,$55,$BB
35DE BBB0000000 DB $BB,$B0,$00,$00,$00,$00,$00,$00
*
* ROW 134
*
35E6 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$BB
35EE BBB5555555 DB $BB,$B5,$55,$55,$55,$BB,$BB,$B0
35F6 EEEEE22222 DB $EE,$EE,$E2,$22,$22,$22,$EE,$EE
35FE E0BBBBB555 DB $E0,$BB,$BB,$B5,$55,$55,$55,$BB
3606 BBB0000000 DB $BB,$B0,$00,$00,$00,$00,$00,$00
*
* ROW 135
*
360E 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$BB
3616 BBB6666666 DB $BB,$B6,$66,$66,$66,$BB,$BB,$B0
361E EEEEE22222 DB $EE,$EE,$E2,$22,$22,$22,$EE,$EE
3626 E0BBBBB666 DB $E0,$BB,$BB,$B6,$66,$66,$66,$BB
362E BBB0000000 DB $BB,$B0,$00,$00,$00,$00,$00,$00
*
* ROW 136
*
3636 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$AA
363E AAA6666666 DB $AA,$A6,$66,$66,$66,$AA,$AA,$A0
3646 EEEEE11111 DB $EE,$EE,$E1,$11,$11,$11,$EE,$EE
364E E0AAAAA666 DB $E0,$AA,$AA,$A6,$66,$66,$66,$AA
3656 AAA0000000 DB $AA,$A0,$00,$00,$00,$00,$00,$00
*
* ROW 137
*

```

```

365E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$AA
3666 AAA6666666      DB      $AA,$A6,$66,$66,$66,$AA,$AA,$A0
366E FFFFFFF11111      DB      $FF,$FF,$F1,$11,$11,$11,$FF,$FF
3676 F0AAAAA666      DB      $F0,$AA,$AA,$A6,$66,$66,$66,$AA
367E AAA0000000      DB      $AA,$A0,$00,$00,$00,$00,$00,$00
*
* ROW 138
*
3686 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$AA
368E AAA7777777      DB      $AA,$A7,$77,$77,$77,$AA,$AA,$A0
3696 FFFFFFF11111      DB      $FF,$FF,$F1,$11,$11,$11,$FF,$FF
369E F0AAAAA777      DB      $F0,$AA,$AA,$A7,$77,$77,$77,$AA
36A6 AAA0000000      DB      $AA,$A0,$00,$00,$00,$00,$00,$00
*
* ROW 139
*
36AE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$88
36B6 8887777777      DB      $88,$87,$77,$77,$77,$88,$88,$80
36BE FFFFF00000      DB      $FF,$FF,$F0,$00,$00,$00,$FF,$FF
36C6 F088888777      DB      $F0,$88,$88,$87,$77,$77,$77,$88
36CE 8880000000      DB      $88,$80,$00,$00,$00,$00,$00,$00
*
* ROW 140
*
36D6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$98
36DE 8987777777      DB      $89,$87,$77,$77,$77,$88,$98,$80
36E6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
36EE 0098898777      DB      $00,$98,$89,$87,$77,$77,$77,$88
36F6 9880000000      DB      $98,$80,$00,$00,$00,$00,$00,$00
*
* ROW 141
*
36FE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$88
3706 8888888888      DB      $88,$88,$88,$88,$88,$88,$88,$80
370E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3716 0088888888      DB      $00,$88,$88,$88,$88,$88,$88,$88
371E 8880000000      DB      $88,$80,$00,$00,$00,$00,$00,$00
*
* ROW 142
*
3726 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$88
372E 8888888888      DB      $88,$88,$88,$88,$88,$88,$88,$80
3736 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
373E 0088888888      DB      $00,$88,$88,$88,$88,$88,$88,$88
3746 8880000000      DB      $88,$80,$00,$00,$00,$00,$00,$00
*
* ROW 143
*
374E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$77
3756 7779989898      DB      $77,$79,$98,$89,$88,$77,$77,$70
375E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3766 0077777998      DB      $00,$77,$77,$79,$98,$89,$88,$77
376E 7770000000      DB      $77,$70,$00,$00,$00,$00,$00,$00
*
* ROW 144
*
3776 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$77

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```

377E 7778888888      DB      $77,$78,$88,$88,$88,$77,$77,$70
3786 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
378E 0077777888      DB      $00,$77,$77,$78,$88,$88,$88,$77
3796 7770000000      DB      $77,$70,$00,$00,$00,$00,$00,$00
      *
      * ROW 145
      *
379E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$77
37A6 777AAAAAAA      DB      $77,$7A,$AA,$AA,$AA,$77,$77,$70
37AE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
37B6 0077777AAA      DB      $00,$77,$77,$7A,$AA,$AA,$AA,$77
37BE 7770000000      DB      $77,$70,$00,$00,$00,$00,$00,$00
      *
      * ROW 146
      *
37C6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$66
37CE 666AAAAAAA      DB      $66,$6A,$AA,$AA,$AA,$66,$66,$60
37D6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
37DE 0066666AAA      DB      $00,$66,$66,$6A,$AA,$AA,$AA,$66
37E6 6660000000      DB      $66,$60,$00,$00,$00,$00,$00,$00
      *
      * ROW 147
      *
37EE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$66
37FE 666AAAAAAA      DB      $66,$6A,$AA,$AA,$AA,$66,$66,$60
37FE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3806 0066666AAA      DB      $00,$66,$66,$6A,$AA,$AA,$AA,$66
380E 6660000000      DB      $66,$60,$00,$00,$00,$00,$00,$00
      *
      * ROW 148
      *
3816 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$66
381E 666BBBBBBB      DB      $66,$6B,$BB,$BB,$BB,$66,$66,$60
3826 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
382E 0066666BBB      DB      $00,$66,$66,$6B,$BB,$BB,$BB,$66
3836 6660000000      DB      $66,$60,$00,$00,$00,$00,$00,$00
      *
      * ROW 149
      *
383E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$55
3846 555BBBBBBB      DB      $55,$5B,$BB,$BB,$BB,$55,$55,$50
384E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3856 0055555BBB      DB      $00,$55,$55,$5B,$BB,$BB,$BB,$55
385E 5550000000      DB      $55,$50,$00,$00,$00,$00,$00,$00
      *
      * ROW 150
      *
3866 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$55
386E 555BBBBBBB      DB      $55,$5B,$BB,$BB,$BB,$55,$55,$50
3876 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
387E 0055555BBB      DB      $00,$55,$55,$5B,$BB,$BB,$BB,$55
3886 5550000000      DB      $55,$50,$00,$00,$00,$00,$00,$00
      *
      * ROW 151
      *
388E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$44
3896 444CCCCCCC      DB      $44,$4C,$CC,$CC,$CC,$44,$44,$40

```

```

389E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
38A6 00444444CC      DB      $00,$44,$44,$4C,$CC,$CC,$CC,$44
38AE 4440000000      DB      $44,$40,$00,$00,$00,$00,$00,$00
*
* ROW 152
*
38B6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$44
38BE 444CCCCCCC      DB      $44,$4C,$CC,$CC,$CC,$44,$44,$40
38C6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
38CE 00444444CC      DB      $00,$44,$44,$4C,$CC,$CC,$CC,$44
38D6 4440000000      DB      $44,$40,$00,$00,$00,$00,$00,$00
*
* ROW 153
*
38DE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$44
38E6 444CCCCCCC      DB      $44,$4C,$CC,$CC,$CC,$44,$44,$40
38EE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
38F6 00444444CC      DB      $00,$44,$44,$4C,$CC,$CC,$CC,$44
38FE 4440000000      DB      $44,$40,$00,$00,$00,$00,$00,$00
*
* ROW 154
*
3906 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$33
390E 333DDDDDDD      DB      $33,$3D,$DD,$DD,$DD,$33,$33,$30
3916 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
391E 0033333DDD      DB      $00,$33,$33,$3D,$DD,$DD,$DD,$33
3926 3330000000      DB      $33,$30,$00,$00,$00,$00,$00,$00
*
* ROW 155
*
392E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$33
3936 333DDDDDDD      DB      $33,$3D,$DD,$DD,$DD,$33,$33,$30
393E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3946 0033333DDD      DB      $00,$33,$33,$3D,$DD,$DD,$DD,$33
394E 3330000000      DB      $33,$30,$00,$00,$00,$00,$00,$00
*
* ROW 156
*
3956 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$22
395E 222DDDDDDD      DB      $22,$2D,$DD,$DD,$DD,$22,$22,$20
3966 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
396E 0022222DDD      DB      $00,$22,$22,$2D,$DD,$DD,$DD,$22
3976 2220000000      DB      $22,$20,$00,$00,$00,$00,$00,$00
*
* ROW 157
*
397E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$22
3986 222EEEEEEE      DB      $22,$2E,$EE,$EE,$EE,$22,$22,$20
398E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3996 0022222EEE      DB      $00,$22,$22,$2E,$EE,$EE,$EE,$22
399E 2220000000      DB      $22,$20,$00,$00,$00,$00,$00,$00
*
* ROW 158
*
39A6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$22
39AE 222EEEEEEE      DB      $22,$2E,$EE,$EE,$EE,$22,$22,$20
39B6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
    
```

```

39BE 0022222EEE      DB      $00,$22,$22,$2E,$EE,$EE,$EE,$22
39C6 2220000000      DB      $22,$20,$00,$00,$00,$00,$00,$00
      *
      * ROW 159
      *
39CE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$11
39D6 111EEEEEEEE      DB      $11,$1E,$EE,$EE,$EE,$11,$11,$10
39DE 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
39E6 0011111EEE      DB      $00,$11,$11,$1E,$EE,$EE,$EE,$11
39EE 1110000000      DB      $11,$10,$00,$00,$00,$00,$00,$00
      *
      * ROW 160
      *
39F6 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$11
39FE 111FFFFFFF      DB      $11,$1F,$FF,$FF,$FF,$11,$11,$10
3A06 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3A0E 0011111FFF      DB      $00,$11,$11,$1F,$FF,$FF,$FF,$11
3A16 1110000000      DB      $11,$10,$00,$00,$00,$00,$00,$00
      *
      * ROW 161
      *
3A1E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$11
3A26 111FFFFFFF      DB      $11,$1F,$FF,$FF,$FF,$11,$11,$10
3A2E 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3A36 0011111FFF      DB      $00,$11,$11,$1F,$FF,$FF,$FF,$11
3A3E 1110000000      DB      $11,$10,$00,$00,$00,$00,$00,$00
      *
      * ROW 162
      *
3A46 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3A4E 000FFFFFFF      DB      $00,$0F,$FF,$FF,$FF,$00,$00,$00
3A56 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
3A5E 0000000FFF      DB      $00,$00,$00,$0F,$FF,$FF,$FF,$00
3A66 0000000000      DB      $00,$00,$00,$00,$00,$00,$00,$00
    
```

```

; -----
; Display List for Text Window
; -----

3A6E 42          SSTXT DB      $42
3A6F 7E3A       DW      STXTM
3A71 1002100270 DB      $10,$02,$10,$02,$70,$10,$02,$70,$10,$02,$41
3A7C 0310       DW      DLST2

3A7E           STXTM
3A7E 0000000000 DB      0,0,0,0,0,0
3A84 306C656173 DB      $30,$6C,$65,$61,$73,$65,0           ;Please
3A8B 72656D6F76 DB      $72,$65,$6D,$6F,$76,$65,0           ;remove
3A92 74686500   DB      $74,$68,$65,0           ;the
3A96 3432212E33 DB      $34,$32,$21,$2E,$33,$2C,$21,$34,$2F,$32,$0C ;TRANSLATOR,
3AA1 0000000000 DB      0,0,0,0,0

3AA6 0000000000 DB      0,0,0,0,0,0
3AAC 616E640069 DB      $61,$6E,$64,0,$69,$6E,$73,$65,$72,$74,0 ;and insert
3AB7 796F757200 DB      $79,$6F,$75,$72,0           ;your
3ABC 70726F6772 DB      $70,$72,$6F,$67,$72,$61,$6D,0         ;program
3AC4 6469736B   DB      $64,$69,$73,$6B           ;disk
3AC8 0000000000 DB      0,0,0,0,0,0

3ACE 0000000000 DB      0,0,0,0,0,0
3AD4 696E007365 DB      $69,$6E,0,$73,$65,$72,$69,$61,$6C,0     ;in serial
3ADE 6472697665 DB      $64,$72,$69,$76,$65,0           ;drive
3AE4 0311000E0E DB      $03,$11,0,$0E,$0E,$0E           ;#1 ...
3AEA 0000000000 DB      0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0

3AF6 0000000000 DB      0,0,0,0,0,0,0
3AFC 3072657373 DB      $30,$72,$65,$73,$73,0           ;Press
3B02 42B3A5ACA5 SELTXT DB      $42,$B3,$A5,$AC,$A5,$A3,$B4,$56,0         ;[SELECT]
3B0B 7768656E00 DB      $77,$68,$65,$6E,0           ;when
3B10 7265616479 DB      $72,$65,$61,$64,$79           ;ready
3B15 0000000000 DB      0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0

3B1E 0000000000 DB      0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
3B28 0823213234 CARTIN DB      $08,$23,$21,$32,$34,$32,$29,$24,$27,$25,0 ;(CARTRIDGE
3B33 3032253325 DB      $30,$32,$25,$33,$25,$2E,$34,$09         ;PRESENT)
      = 0012     CRTLEN EQU      [* - CARTIN] - 1
3B3B 0000000000 DB      0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
    
```

INCLUDE D2:XLITES.ASM


```

3B46
; -----
; This routine installs a deferred vertical blank server,
; a display list interrupt routine, brings up the selected
; graphic, and continues to boot the soft O.S. from disk.
; -----

3B46 A900      BOOTSOS LDA    #0
3B48 8D00D4   STA    DMACTL      ;Lights out, for a moment
3B4B 8D2F02   STA    SDMCTL
3B4E 8D0ED4   STA    NMIEN
3B51 858A     STA    TXTFLG      ;Clear text window flag

3B53 A903      LDA    #Low DLST2
3B55 8D3002   STA    SDLST      ;Establish our display list
3B58 A910      LDA    #high DLST2
3B5A 8D3102   STA    SDLST+1

3B5D A9F0      LDA    #Low DLI
3B5F 8D0002   STA    VDSLST      ;Establish display list interrupt vector
3B62 A93B      LDA    #high DLI
3B64 8D0102   STA    VDSLST+1

3B67 AD0210   LDA    COLOR
3B6A 8DC802   STA    COLOR4      ;Select color for GTIA base register
3B6D 8DC602   STA    COLOR2      ;Make text window match it

3B70 A940      LDA    #$40
3B72 8D6F02   STA    GPRIOR      ;Enable 16-lum GTIA mode

3B75 A0A7      LDY    #Low VBL
3B77 A23B      LDX    #high VBL
3B79 A907      LDA    #7
3B7B 205CE4   JSR    SETVBV      ;Link a deferred vertical blank routine

3B7E A9C0      LDA    #$C0
3B80 8D0ED4   STA    NMIEN      ;Allow DLI and VBL interrupts
3B83 A922      LDA    #$22
3B85 8D2F02   STA    SDMCTL      ;Screen on...
3B88 A514      LDA    RTCLOK+2   ;Repeat
3B8A C514      SHADOW  CMP    RTCLOK+2
3B8C F0FC ^3B8A BEQ    SHADOW      ;Until shadow registers written to chips

3B8E A900      LDA    #Low SWAPOS
3B90 8D0403   STA    DBUF      ;Bring all remaining sectors in
3B93 A93C      LDA    #high SWAPOS
3B95 8D0503   STA    DBUF+1
3B98 A96B      LDA    #Low [[SWAPOS - RAMLOAD]/128] + 1
3B9A 8D0A03   STA    DAUX1      ;starting sector number
3B9D A954      LDA    #Low [[RAMEND - SWAPOS + 127]/128]
3B9F 8588      STA    MLCNT      ;sectors to load
3BA1 20D607   JSR    GETSECS    ;load 'em up
3BA4 4C003C   JMP    SWAPOS      ;run the TRANSLATOR ==>

```

```

; -----
; Vertical Blank Routine.
; If disk boot has been completed, this routine modifies
; the display list to activate a text window. It also
; flashes the [SELECT] prompt on the screen.
; -----
3BA7 E68C VBL INC VBCLOK ;Bump the flash counter
3BA9 A58A LDA TXTFLG
3BAB F040 ^3BED BEQ VBOUT ;If boot completed, then

3BAD 3013 ^3BC2 BMI VBFLSH ; If text window not established, then
3BAF A000 LDY #0
3BB1 A96E LDA #Low SSTXT ; Change display list 'jmp' address
3BB3 9186 STA (DLJ),Y
3BB5 C8 INY
3BB6 A93A LDA #high SSTXT
3BB8 9186 STA (DLJ),Y

3BBA A9FF LDA #$FF
3BBC 858A STA TXTFLG ; Set text-on-display flag
3BBE A901 LDA #1 ; Set long interval to first blink
3BC0 858C STA VBCLOK ; Initialize blink rate
; Else, since text window active, then

3BC2 A58C VBFLSH LDA VBCLOK
3BC4 D027 ^3BED BNE VBOUT ; If flash timer expired, then
3BC6 AD023B LDA SELTXT
3BC9 F011 ^3BDC BEQ VBFLON ; If flashing 'off', then
3BCB A900 LDA #0
3BCD 8D023B STA SELTXT ; Remove end caps
3BD0 8D093B STA SELTXT+7
3BD3 8DF302 STA CHACT ; Remove inverse video
3BD6 A9EB LDA #OFFTIME
3BD8 858C STA VBCLOK ; Set 'off-cycle' timeout
3BDA D011 ^3BED BNE VBOUT ; Else, since flashing 'on', then
3BDC A956 VBFLON LDA #$56 ; Replace end caps
3BDE 8D093B STA SELTXT+7
3BE1 A942 LDA #$42
3BE3 8D023B STA SELTXT
3BE6 8DF302 STA CHACT ; Set inverse video mode
3BE9 A99B LDA #ONTIME
3BEB 858C STA VBCLOK ; Set 'on-cycle' timeout
; Endif
; Endif
; Endif
; Endif
3BED 4C62E4 VBOUT JMP XITVBV ;Endif

3BF0 48 DLI PHA ;Display list interrupt routine
3BF1 A58A LDA TXTFLG
3BF3 F005 ^3BFA BEQ DLIOUT ;If text window on screen, then
3BF5 A900 LDA #0
3BF7 8D1BD0 STA PRIOR ; Shut down GTIA 16-lum mode for text
3BFA 68 DLIOUT PLA ;Endif
3BFB 40 RTI
3BFC ESCR3

```

3BFC

```

; -----
; This is the TRANSLATOR mainline.
; It activates a textual prompt on the display and waits
; for the [SELECT] keypress. When [SELECT] is pressed,
; The XL O.S. is swapped out and the 400/800 Rev. B. O.S.
; is copied into RAM in its place. A few key patches are
; made to the RAM-based O.S. and WARM START recovery code
; is hidden in RAM at $CFxx. When this is done, a COLD
; START is invoked by the newly installed O.S.
; -----

```

```

3BFC          ALIGN
3C00 AD0010    SWAPOS LDA    DLJMP    ;Move display list 'JMP' address
3C03 8586     STA    DLJ        ;Into zero page (for indirect STA)
3C05 AD0110    LDA    DLJMP+1
3C08 8587     STA    DLJ+1

3C0A ADE402    LDA    RAMSIZ
3C0D C9C0     CMP    #$C0
3C0F 900A ^3C1B BCC    TXTON    ;If Cartridge (or BASIC) not present, then
3C11 A212     LDX    #Low CRTLEN
3C13 A900     LDA    #0        ; Repeat
3C15 9D283B    NOCART STA    CARTIN,X ; Remove 'Cart. Present' message
3C18 CA       DEX
3C19 10FA ^3C15 BPL    NOCART    ; Until all characters removed
;Endif

3C1B A901     TXTON  LDA    #1
3C1D 858A     STA    TXTFLG    ;Enable prompt message (via VBL)

3C1F A908     SELECT  LDA    #8        ;Repeat
3C21 8D1FD0    STA    CONSOL    ; Convention for reading CONSOL keys
3C24 AD1FD0    LDA    CONSOL    ; Read CONSOL keys
3C27 2902     AND    #2
3C29 D0F4 ^3C1F BNE    SELECT    ;Until [SELECT] pressed

3C2B A900     LDA    #0
3C2D 8D2F02    STA    SDMCTL    ;Disable screen DMA
3C30 8D00D4    STA    DMACTL
3C33 8D0ED4    STA    NMIEN    ;Disable all interrupts
3C36 8D0ED2    STA    IRQEN

3C39 78       SEI
3C3A AD01D3    LDA    PORTB    ;Load current PORTB PIA status
3C3D 29FE     AND    #$FE    ;Disable O.S. ROM (leave BASIC unchanged)
3C3F 8D01D3    STA    PORTB
3C42 48       PHA        ;Hold that thought for a moment

```

```

;      Install REV B. O.S. Patches -----
3C43      PATCH  $D800,0S0BJ,$2800      ;Copy Rev B. O.S. into RAM
3C6C      PATCH  RAMSCAN,PC0CODE,PC0LEN ;Copy O.S. patches to page $Cx
3C95      PATCH  $F26F,PATSIZ,3        ;SPECL ram sizing patch

      = 0000      IF      RESET          ;If [RESET] processing enabled, then
-          PATCH  $E737,PATIRQ,3        ; Low-level IRQ watchdog patch
-          PATCH  $E7AB,PATNMI,3        ; Immediate VBLANK watchdog patch
-          PATCH  $F173,PATROJ,3        ; Post stack-clear 'trojan horse'
-          PATCH  $F366,PATCLD,3        ; Single boot sector fix

;      Repoint the JMP (DOSINI) to our vector -----
-          LDA    #low SVDINI          ; New vector for disk-booted init
-          STA    DINI+1
-          LDA    #high SVDINI
-          STA    DINI+2

      ENDIF          ;Endif

;      Save a few XL-0.S. WARM START discriminator bytes ----
3CBE 68          PLA          ;Reload current PORTB PIA status
3CBF 8D58CF      STA          SVPORBTB ;Save it for WARM START restoration

3CC2 ADFA03      LDA          GINTLK    ;Save Cartridge interlock flags
3CC5 8D59CF      STA          SVINTLK
3CC8 ADEB03      LDA          CARTCK    ;Save Cartridge checksum (if needed)
3CCB 8D5ACF      STA          SVCRTCK

3CCE A202          LDX          #2          ;Save XL 0.S. power-up test bytes
3CD0 BD3D03      RECON      LDA          PUPBT1,X
3CD3 9D5BCF      STA          SVPUCHK,X   ;for WARM START power-up check in XL
3CD6 CA          DEX          ;(these are restored in TROJAN)
3CD7 10F7 ^3CD0 BPL          RECON

;      Finally, startup the RAM-based 0.S. -----
3CD9 4C77E4      JMP          COLDSV     ;Invoke Rev. B 0.S. COLD START

```

```

3CDC
;           ;           These 5 lines are PATCHed into the 0.S. -----+
;           ;           |
3CDC 4C88CF  PATIRQ JMP   DSCAN1      ;IRQ 'DOSINI' monitor
3CDF 4CA8CF  PATNMI JMP   DSCAN2      ;NMI 'DOSINI' monitor
3CE2 4C0FCF  PATROJ JMP   TROJAN        ;Hides routine in stack
3CE5 4C5ECF  PATSIZ JMP   SIZRAM      ;Limits RAMSIZ to $C0
3CE8 206BCF  PATCLD JSR   COLDIN        ;Special-case 'DOSINI' chk
;           ;           |
;           ;           They are the only run-time changes to the 0.S. ----+
;           ;           |
;           ;           The following code is 'safed' in RAM at $Cxxx -----+
;           ;           |
;           ;           |
3CEB          PC0CODE
3CEB = CF00#   LOC      RAMSCAN
;           ;           ----- This code, in turn, is moved into the stack,
;           ;           ;           where (hopefully) it will remain untouched by
;           ;           ;           normal execution of the application. It is
;           ;           ;           needed to reselect the RAM 0.S. on [RESET] ---+
CF00#          STKCODE
CF00# 78      SEI           ;Disallow interrupts for switchback
CF01# A9FE    LDA   #$FE    ;Reestablish access to data at $Cxxx
CF03# 8D01D3  STA   PORTB    ;By momentarily deselection ROM 0.S.
CF06# AD58CF  LDA   SVPORBT  ;Load previously saved PORTB status
CF09# 8D01D3  STA   PORTB    ;Reconfigure memory/disable ROM 0.S.
CF0C# 4C74E4  JMP   WARMSV    ;Re-invoke WARM START -->
= 000F      STKLEN EQU   * - STKCODE ;
;           ;           ----- End of Stack Usage -----+
;           ;           |
;           ;           The 'trojan' instructions are executed just after memory
;           ;           ;           is cleared after both a COLD or WARM start in the 800 0.S.
;           ;           ;           It deposits the above routine in the stack and restores
;           ;           ;           some key values needed by the XL 0.S. to descriminate be-
;           ;           ;           tween a WARM and COLD start upon the user pressing [RESET].

CF0F#          TROJAN  PATCH  RAMLINK,STKCODE,STKLEN
CF38# AD59CF  LDA   SVINTLK    ;Restore XL-0.S. control bytes
CF3B# 8DFA03  STA   GINTLK
CF3E# AD5ACF  LDA   SVCRTCK
CF41# 8DEB03  STA   CARTCK

CF44# A202          LD   #2          ;Restore 'magic' power-up bytes
CF46# BD5BCF  REWARM  LDA   SVPUCHK,X
CF49# 9D3D03  STA   PUPBT1,X
CF4C# CA          DEX
CF4D# 10F7 ^CF46  BPL   REWARM

CF4F# A902          LDA   #2          ;Complete 'patched' code
CF51# 8552          STA   LMARGN
CF53# 4C77F1       JMP   $F177      ;Return to 0.S. initialization code
    
```

```

; Storage area for key TRANSLATOR variables -----+
;
CF56# = 0002   SVDINI DS      2           ;Application's DOSINI saved here
CF58# = 0001   SVPORTB DS     1           ;COLD START PORTB status saved here
CF59# = 0001   SVINTLK DS     1           ;Cartridge interlock flag saved here
CF5A# = 0001   SVCRTCK DS     1           ;Cartridge checksum saved here
CF5B# = 0003   SVPUCHK DS     3           ;O.S. WARM START test bytes saved here
;
; The above bytes should not be touched by the application -----+

; This ensures the O.S. stops sizing RAM at $C000 -----+

CF5E# 18      SIZRAM CLC                ;Patch to O.S. RAM sizing code
CF5F# 6910    ADC      #$10
CF61# 8506    STA      TRAMSZ
CF63# C9C0    CMP      #$C0            ;Stop scan at $C000
CF65# B003 ^CF6A BCS     SIZRTS
CF67# 4C5FF2  JMP      $F25F
CF6A# 60      SIZRTS RTS

; These routines 'WATCH' for the application stealing the
; DOSINI vector. If that happens, the new value is saved
; at SVDINI and DOSINI is re-stuffed with a vector to the
; [RESET] recovery code hidden in page 1.

CF6B#        COLDIN WATCH                ;Special case for 1 boot sector disks
CF85# 6C56CF  JMP      (SVDINI)

CF88# 8D0ED2  DSCAN1 STA      IRQEN        ;Low-level IRQ patch
CF8B#        WATCH
CFA5# 4C3AE7  JMP      $E73A

CFA8#        DSCAN2 WATCH                ;VBLANK NMI patch
CFC2# 6C2202  JMP      (VVBLKI)

CFC5# 436F707972 CPYRT DB      'Copyright 1983 ATARI, Inc.'
CFDF# 02BB5A305F DB      $02,$BB,$5A,$30,$5F,$EE,$3D,$A8,$20
CFE8# 475052264A DB      $47,$50,$52,$26,$4A,$42,$4D,$33,$20

CFF1# = 3DDC  ORG      *0
      = 00F1  PC0LEN EQU    * - PC0CODE
;
;
; This ends the code stored in $Cxxx -----+

3DDC      ALIGN

INCLUDE D2:OSB800.ASM
    
```

3E00

```

;-----
; This is an INCLUDEable file of the 800 Operating
; System, REV B. It should be noted that several patches
; have been made in order to accomodate the operation of
; this O.S. in the 'XL' computer line.
;
; The first patch is shown below:
;
; $E6D5  IHINIT  LDA    #$40
;                   STA    NMIEN
;                   LDA    #$38
;                   STA    PACTL
;                   STA    PBCTL
;                   LDA    #$00
;                   STA    PORTA
;                   STA    PORTB
;
; If this code were to execute, it would switch back
; to the XL OS. Therefore, the patch is as follows:
;
; $E6D5  IHINIT  LDA    #$40
;                   STA    NMIEN
;                   LDA    #$38
;                   STA    PACTL
;                   NOP ! NOP ! NOP
;                   LDA    #$00
;                   STA    PORTA
;                   NOP ! NOP ! NOP
;
; The other patch area occurs during Hardware Initialization:
;
; $F277  HARDI   LDA    #$00
;                   TAX
;                   CLRCHP STA    $D000,X
;                   STA    $D400,X
;                   STA    $D200,X
;                   STA    $D300,X
;                   INX
;                   BNE    CLRCHP
;                   RTS
;
; Once again, storing to PORTB or PBCTL will cause
; the XL OS to return. The patch is shown below.
;
; $F277  HARDI   LDA    #$00
;                   TAX
;                   CLRCHP STA    $D000,X
;                   STA    $D400,X
;                   STA    $D200,X
;                   NOP ! NOP ! NOP
;                   INX
;                   BNE    CLRCHP
;                   RTS
;-----

```

3E00	20A1DB20BB	OS0BJ	DB	\$20,\$A1,\$DB,\$20,\$BB,\$DB,\$B0,\$39,\$A2,\$ED,\$A0,\$04,\$20,\$48,\$DA,\$A2
3E10	FF86F12044		DB	\$FF,\$86,\$F1,\$20,\$44,\$DA,\$F0,\$04,\$A9,\$FF,\$85,\$F0,\$20,\$94,\$DB,\$B0
3E20	2148A6D5D0		DB	\$21,\$48,\$A6,\$D5,\$D0,\$11,\$20,\$EB,\$DB,\$68,\$05,\$D9,\$85,\$D9,\$A6,\$F1
3E30	30E6E886F1		DB	\$30,\$E6,\$E8,\$86,\$F1,\$D0,\$E1,\$68,\$A6,\$F1,\$10,\$02,\$E6,\$ED,\$4C,\$18
3E40	D860C92EF0		DB	\$D8,\$60,\$C9,\$2E,\$F0,\$14,\$C9,\$45,\$F0,\$19,\$A6,\$F0,\$D0,\$68,\$C9,\$2B
3E50	F0C6C92DF0		DB	\$F0,\$C6,\$C9,\$2D,\$F0,\$00,\$85,\$EE,\$F0,\$BE,\$A6,\$F1,\$10,\$58,\$E8,\$86
3E60	F1F0B5A5F2		DB	\$F1,\$F0,\$B5,\$A5,\$F2,\$85,\$EC,\$20,\$94,\$DB,\$B0,\$37,\$AA,\$A5,\$ED,\$48
3E70	86ED2094DB		DB	\$86,\$ED,\$20,\$94,\$DB,\$B0,\$17,\$48,\$A5,\$ED,\$0A,\$85,\$ED,\$0A,\$0A,\$65
3E80	ED85ED6818		DB	\$ED,\$85,\$ED,\$68,\$18,\$65,\$ED,\$85,\$ED,\$A4,\$F2,\$20,\$9D,\$DB,\$A5,\$EF
3E90	F009A5ED49		DB	\$F0,\$09,\$A5,\$ED,\$49,\$FF,\$18,\$69,\$01,\$85,\$ED,\$68,\$18,\$65,\$ED,\$85
3EA0	EDD013C92B		DB	\$ED,\$D0,\$13,\$C9,\$2B,\$F0,\$06,\$C9,\$2D,\$D0,\$07,\$85,\$EF,\$20,\$94,\$DB
3EB0	90BA5EC85		DB	\$90,\$BA,\$A5,\$EC,\$85,\$F2,\$C6,\$F2,\$A5,\$ED,\$A6,\$F1,\$30,\$05,\$F0,\$03
3EC0	38E5F1482A		DB	\$38,\$E5,\$F1,\$48,\$2A,\$68,\$6A,\$85,\$ED,\$90,\$03,\$20,\$EB,\$DB,\$A5,\$ED
3ED0	18694485D4		DB	\$18,\$69,\$44,\$85,\$D4,\$20,\$00,\$DC,\$B0,\$0B,\$A6,\$EE,\$F0,\$06,\$A5,\$D4
3EE0	098085D418		DB	\$09,\$80,\$85,\$D4,\$18,\$60,\$20,\$51,\$DA,\$A9,\$30,\$8D,\$7F,\$05,\$A5,\$D4
3EF0	F028297FC9		DB	\$F0,\$28,\$29,\$7F,\$C9,\$3F,\$90,\$28,\$C9,\$30,\$24,\$38,\$E9,\$3F,\$20
3F00	70DC20A4DC		DB	\$70,\$DC,\$20,\$A4,\$DC,\$09,\$80,\$9D,\$80,\$05,\$AD,\$80,\$05,\$C9,\$2E,\$F0
3F10	034C8D92D0		DB	\$03,\$4C,\$88,\$D9,\$20,\$C1,\$DC,\$4C,\$9C,\$D9,\$A9,\$B0,\$8D,\$80,\$05,\$60
3F20	A9012070DC		DB	\$A9,\$01,\$20,\$70,\$DC,\$20,\$A4,\$DC,\$E8,\$86,\$F2,\$A5,\$D4,\$0A,\$38,\$E9
3F30	80AE8005E0		DB	\$80,\$AE,\$80,\$05,\$E0,\$30,\$F0,\$17,\$AE,\$81,\$05,\$AC,\$82,\$05,\$8E,\$82
3F40	058C8105A6		DB	\$05,\$8C,\$81,\$05,\$A6,\$F2,\$E0,\$02,\$D0,\$02,\$E6,\$F2,\$18,\$69,\$01,\$85
3F50	EDA945A4F2		DB	\$ED,\$A9,\$45,\$A4,\$F2,\$20,\$9F,\$DC,\$84,\$F2,\$A5,\$ED,\$10,\$0B,\$A9,\$00
3F60	38E5ED85ED		DB	\$38,\$E5,\$ED,\$85,\$ED,\$A9,\$2D,\$D0,\$02,\$A9,\$2B,\$20,\$9F,\$DC,\$A2,\$00
3F70	A5ED38E90A		DB	\$A5,\$ED,\$38,\$E9,\$0A,\$90,\$03,\$E8,\$D0,\$F8,\$18,\$69,\$0A,\$48,\$8A,\$20
3F80	9DDC680980		DB	\$9D,\$DC,\$68,\$09,\$80,\$20,\$9D,\$DC,\$AD,\$80,\$05,\$C9,\$30,\$D0,\$0D,\$18
3F90	A5F3690185		DB	\$A5,\$F3,\$69,\$01,\$85,\$F3,\$A5,\$F4,\$69,\$00,\$85,\$F4,\$A5,\$D4,\$10,\$09
3FA0	20C1DCA000		DB	\$20,\$C1,\$DC,\$A0,\$00,\$A9,\$2D,\$91,\$F3,\$60,\$A5,\$D4,\$85,\$F8,\$A5,\$D5
3FB0	85F72044DA		DB	\$85,\$F7,\$20,\$44,\$DA,\$F8,\$A0,\$10,\$06,\$F8,\$26,\$F7,\$A2,\$03,\$B5,\$D4
3FC0	75D495D4CA		DB	\$75,\$D4,\$95,\$D4,\$CA,\$D0,\$F7,\$88,\$D0,\$EE,\$D8,\$A9,\$42,\$85,\$D4,\$80
3FD0	00DCA90085		DB	\$00,\$DC,\$A9,\$00,\$85,\$F7,\$85,\$F8,\$A5,\$D4,\$30,\$66,\$C9,\$43,\$B0,\$62
3FE0	38E940903F		DB	\$38,\$E9,\$40,\$90,\$3F,\$69,\$00,\$0A,\$85,\$F5,\$20,\$5A,\$DA,\$B0,\$53,\$A5
3FF0	F785F9A5F8		DB	\$F7,\$85,\$F9,\$A5,\$F8,\$85,\$FA,\$20,\$5A,\$DA,\$B0,\$46,\$20,\$5A,\$DA,\$B0
4000	4118A5F865		DB	\$41,\$18,\$A5,\$F8,\$65,\$FA,\$85,\$F8,\$A5,\$F7,\$65,\$F9,\$85,\$F7,\$B0,\$32
4010	20B9DC1865		DB	\$20,\$B9,\$DC,\$18,\$65,\$F8,\$85,\$F8,\$A5,\$F7,\$69,\$00,\$B0,\$24,\$85,\$F7
4020	C6F5D0C620		DB	\$C6,\$F5,\$D0,\$C6,\$20,\$B9,\$DC,\$C9,\$05,\$90,\$0D,\$18,\$A5,\$69,\$01
4030	85F8A5F769		DB	\$85,\$F8,\$A5,\$F7,\$69,\$00,\$85,\$F7,\$A5,\$F8,\$85,\$D4,\$A5,\$F7,\$85,\$D5
4040	18603860A2		DB	\$18,\$60,\$38,\$60,\$A2,\$D4,\$A0,\$06,\$A9,\$00,\$95,\$00,\$E8,\$88,\$D0,\$FA
4050	60A90585F4		DB	\$60,\$A9,\$05,\$85,\$F4,\$A9,\$80,\$85,\$F3,\$60,\$18,\$26,\$F8,\$26,\$F7,\$60
4060	A5E0498085		DB	\$A5,\$E0,\$49,\$80,\$85,\$E0,\$A5,\$E0,\$29,\$7F,\$85,\$F7,\$A5,\$D4,\$29,\$7F
4070	38E5F71010		DB	\$38,\$E5,\$F7,\$10,\$10,\$A2,\$05,\$B5,\$D4,\$B4,\$E0,\$95,\$E0,\$98,\$95,\$D4
4080	CA10F430E1		DB	\$CA,\$10,\$F4,\$30,\$E1,\$F0,\$07,\$C9,\$05,\$B0,\$19,\$20,\$3E,\$DC,\$F8,\$A5
4090	D445E0301E		DB	\$D4,\$45,\$E0,\$30,\$1E,\$A2,\$04,\$18,\$B5,\$D5,\$75,\$E1,\$95,\$D5,\$CA,\$10
40A0	F7D8B0034C		DB	\$F7,\$D8,\$B0,\$03,\$4C,\$00,\$DC,\$A9,\$01,\$20,\$3A,\$DC,\$A9,\$01,\$85,\$D5
40B0	4C00DCA204		DB	\$4C,\$00,\$DC,\$A2,\$04,\$38,\$B5,\$D5,\$F5,\$E1,\$95,\$D5,\$CA,\$10,\$F7,\$90
40C0	04D84C00DC		DB	\$04,\$D8,\$4C,\$00,\$DC,\$A5,\$D4,\$49,\$80,\$85,\$D4,\$38,\$A2,\$04,\$A9,\$00
40D0	F5D595D5CA		DB	\$F5,\$D5,\$95,\$D5,\$CA,\$10,\$F7,\$D8,\$4C,\$00,\$DC,\$A5,\$D4,\$F0,\$45,\$A5
40E0	E0F03E20CF		DB	\$E0,\$F0,\$3E,\$20,\$CF,\$DC,\$38,\$E9,\$40,\$38,\$65,\$E0,\$30,\$38,\$20,\$E0
40F0	DCA5DF290F		DB	\$DC,\$A5,\$DF,\$29,\$0F,\$85,\$F6,\$C6,\$F6,\$30,\$06,\$20,\$01,\$DD,\$4C,\$F7
4100	DAA5DF4A4A		DB	\$DA,\$A5,\$DF,\$4A,\$4A,\$4A,\$4A,\$85,\$F6,\$C6,\$F6,\$30,\$06,\$20,\$05,\$DD
4110	4C09DB2062		DB	\$4C,\$09,\$DB,\$20,\$62,\$DC,\$C6,\$F5,\$D0,\$D7,\$A5,\$ED,\$85,\$D4,\$4C,\$04
4120	DC2044DA18		DB	\$DC,\$20,\$44,\$DA,\$18,\$60,\$38,\$60,\$A5,\$E0,\$F0,\$FA,\$A5,\$D4,\$F0,\$F4
4130	20CFDC38E5		DB	\$20,\$CF,\$DC,\$38,\$E5,\$E0,\$18,\$69,\$40,\$30,\$EB,\$20,\$E0,\$DC,\$E6,\$F5
4140	4C4EDBA200		DB	\$4C,\$4E,\$DB,\$A2,\$00,\$B5,\$D5,\$95,\$D4,\$E8,\$E0,\$0C,\$D0,\$F7,\$A0,\$90
4150	38F8B9DA00		DB	\$38,\$F8,\$B9,\$DA,\$00,\$F9,\$E6,\$00,\$99,\$DA,\$00,\$88,\$10,\$F4,\$D8,\$05
4160	04E6D9D0E9		DB	\$04,\$E6,\$D9,\$D0,\$E9,\$20,\$0F,\$DD,\$06,\$D9,\$06,\$D9,\$06,\$D9,\$06,\$D9
4170	A00538F8B9		DB	\$A0,\$05,\$38,\$F8,\$B9,\$DA,\$00,\$F9,\$E0,\$00,\$99,\$DA,\$00,\$88,\$10,\$F4
4180	D89004E6D9		DB	\$D8,\$90,\$04,\$E6,\$D9,\$D0,\$E9,\$20,\$09,\$DD,\$C6,\$F5,\$D0,\$B5,\$20,\$62

4190	DC4C1ADB20	DB	\$DC,\$4C,\$1A,\$DB,\$20,\$AF,\$DB,\$A4,\$F2,\$90,\$02,\$B1,\$F3,\$C8,\$84,\$F2
41A0	60A4F2A920	DB	\$60,\$A4,\$F2,\$A9,\$20,\$D1,\$F3,\$D0,\$03,\$C8,\$D0,\$F9,\$84,\$F2,\$60,\$A4
41B0	F2B1F338E9	DB	\$F2,\$B1,\$F3,\$38,\$E9,\$30,\$90,\$18,\$C9,\$0A,\$60,\$A5,\$F2,\$48,\$20,\$94
41C0	DB901FC92E	DB	\$DB,\$90,\$1F,\$C9,\$2E,\$F0,\$14,\$C9,\$2B,\$F0,\$07,\$C9,\$2D,\$F0,\$03,\$68
41D0	38602094DB	DB	\$38,\$60,\$20,\$94,\$DB,\$90,\$0B,\$C9,\$2E,\$D0,\$F4,\$20,\$94,\$DB,\$90,\$02
41E0	B0ED6885F2	DB	\$B0,\$ED,\$68,\$85,\$F2,\$18,\$60,\$A2,\$E7,\$D0,\$02,\$A2,\$D5,\$A0,\$04,\$18
41F0	3604360336	DB	\$36,\$04,\$36,\$03,\$36,\$02,\$36,\$01,\$36,\$00,\$26,\$EC,\$88,\$D0,\$F0,\$60
4200	A20086DAA2	DB	\$A2,\$00,\$86,\$DA,\$A2,\$04,\$A5,\$D4,\$F0,\$2E,\$A5,\$D5,\$D0,\$1A,\$A0,\$00
4210	B9D60099D5	DB	\$B9,\$D6,\$00,\$99,\$D5,\$00,\$C8,\$C0,\$05,\$90,\$F5,\$C6,\$D4,\$CA,\$D0,\$EA
4220	A5D5D00485	DB	\$A5,\$D5,\$D0,\$04,\$85,\$D4,\$18,\$60,\$A5,\$D4,\$29,\$7F,\$C9,\$71,\$90,\$01
4230	60C90FB003	DB	\$60,\$C9,\$0F,\$B0,\$03,\$20,\$44,\$DA,\$18,\$60,\$A2,\$D4,\$D0,\$02,\$A2,\$E0
4240	86F985F785	DB	\$86,\$F9,\$85,\$F7,\$85,\$F8,\$A0,\$04,\$B5,\$04,\$95,\$05,\$CA,\$88,\$D0,\$F8
4250	A9009505A6	DB	\$A9,\$00,\$95,\$05,\$A6,\$F9,\$C6,\$F7,\$D0,\$EC,\$B5,\$00,\$18,\$65,\$F8,\$95
4260	0060A20AB5	DB	\$00,\$60,\$A2,\$0A,\$B5,\$D4,\$95,\$D5,\$CA,\$10,\$F9,\$A9,\$00,\$85,\$D4,\$60
4270	85F7A200A0	DB	\$85,\$F7,\$A2,\$00,\$A0,\$00,\$20,\$93,\$DC,\$38,\$E9,\$01,\$85,\$F7,\$B5,\$D5
4280	4A4A4A4A20	DB	\$4A,\$4A,\$4A,\$4A,\$20,\$9D,\$DC,\$B5,\$D5,\$29,\$0F,\$20,\$9D,\$DC,\$E8,\$E0
4290	0590E3A5F7	DB	\$05,\$90,\$E3,\$A5,\$F7,\$D0,\$05,\$A9,\$2E,\$20,\$9F,\$DC,\$60,\$09,\$30,\$99
42A0	8005C860A2	DB	\$80,\$05,\$C8,\$60,\$A2,\$0A,\$BD,\$80,\$05,\$C9,\$2E,\$F0,\$07,\$C9,\$30,\$D0
42B0	07CAD0F2CA	DB	\$07,\$CA,\$D0,\$F2,\$CA,\$BD,\$80,\$05,\$60,\$20,\$EB,\$DB,\$A5,\$EC,\$29,\$0F
42C0	6038A5F3E9	DB	\$60,\$38,\$A5,\$F3,\$E9,\$01,\$85,\$F3,\$A5,\$F4,\$E9,\$00,\$85,\$F4,\$60,\$A5
42D0	D445E02980	DB	\$D4,\$45,\$E0,\$29,\$80,\$85,\$EE,\$06,\$E0,\$46,\$E0,\$A5,\$D4,\$29,\$7F,\$60
42E0	05EE85EDA9	DB	\$05,\$EE,\$85,\$ED,\$A9,\$00,\$85,\$D4,\$85,\$E0,\$20,\$28,\$DD,\$20,\$E7,\$DB
42F0	A5EC290F85	DB	\$A5,\$EC,\$29,\$0F,\$85,\$E6,\$A9,\$05,\$85,\$F5,\$20,\$34,\$DD,\$20,\$44,\$DA
4300	60A2D9D006	DB	\$60,\$A2,\$D9,\$D0,\$06,\$A2,\$D9,\$D0,\$08,\$A2,\$DF,\$A0,\$E5,\$D0,\$04,\$A2
4310	DFA0EBA905	DB	\$DF,\$A0,\$EB,\$A9,\$05,\$85,\$F7,\$18,\$F8,\$B5,\$00,\$79,\$00,\$00,\$95,\$00
4320	CA88C6F710	DB	\$CA,\$88,\$C6,\$F7,\$10,\$F3,\$D8,\$60,\$A0,\$05,\$B9,\$E0,\$00,\$99,\$E6,\$00
4330	8810F760A0	DB	\$88,\$10,\$F7,\$60,\$A0,\$05,\$B9,\$D4,\$00,\$99,\$DA,\$00,\$88,\$10,\$F7,\$60
4340	86FE84FF85	DB	\$86,\$FE,\$84,\$FF,\$85,\$EF,\$A2,\$E0,\$A0,\$05,\$20,\$A7,\$DD,\$20,\$B6,\$DD
4350	A6FEA4FF20	DB	\$A6,\$FE,\$A4,\$FF,\$20,\$89,\$DD,\$C6,\$EF,\$F0,\$20,\$20,\$DB,\$DA,\$80,\$28
4360	18A5FE6906	DB	\$18,\$A5,\$FE,\$69,\$06,\$85,\$FE,\$90,\$06,\$A5,\$FF,\$69,\$00,\$85,\$FF,\$A6
4370	FEA4FF2098	DB	\$FE,\$A4,\$FF,\$20,\$98,\$DD,\$20,\$66,\$DA,\$B0,\$0D,\$C6,\$EF,\$F0,\$09,\$A2
4380	E0A0052098	DB	\$E0,\$A0,\$05,\$20,\$98,\$DD,\$30,\$D3,\$60,\$86,\$FC,\$84,\$FD,\$A0,\$05,\$B1
4390	FC99D40088	DB	\$FC,\$99,\$D4,\$00,\$88,\$10,\$F8,\$60,\$86,\$FC,\$84,\$FD,\$A0,\$05,\$B1,\$FC
43A0	99E0008810	DB	\$99,\$E0,\$00,\$88,\$10,\$F8,\$60,\$86,\$FC,\$84,\$FD,\$A0,\$05,\$B9,\$D4,\$00
43B0	91FC8810F8	DB	\$91,\$FC,\$88,\$10,\$F8,\$60,\$A2,\$05,\$B5,\$D4,\$95,\$05,\$CA,\$10,\$F9,\$60
43C0	A289A0DE20	DB	\$A2,\$89,\$A0,\$DE,\$20,\$98,\$DD,\$20,\$DB,\$DA,\$B0,\$7F,\$A9,\$00,\$85,\$F1
43D0	A5D485F029	DB	\$A5,\$D4,\$85,\$F0,\$29,\$7F,\$85,\$D4,\$38,\$E9,\$40,\$30,\$26,\$C9,\$04,\$10
43E0	6AA2E6A005	DB	\$6A,\$A2,\$E6,\$A0,\$05,\$20,\$A7,\$DD,\$20,\$D2,\$D9,\$A5,\$D4,\$85,\$F1,\$A5
43F0	D5D05820AA	DB	\$D5,\$D0,\$58,\$20,\$AA,\$D9,\$20,\$B6,\$DD,\$A2,\$E6,\$A0,\$05,\$20,\$89,\$DD
4400	2060DAA90A	DB	\$20,\$60,\$DA,\$A9,\$0A,\$A2,\$4D,\$A0,\$DE,\$20,\$40,\$DD,\$20,\$B6,\$DD,\$20
4410	DBDAA5F1F0	DB	\$DB,\$DA,\$A5,\$F1,\$F0,\$23,\$18,\$6A,\$85,\$E0,\$A9,\$01,\$90,\$02,\$A9,\$10
4420	85E1A204A9	DB	\$85,\$E1,\$A2,\$04,\$A9,\$00,\$95,\$E2,\$CA,\$10,\$FB,\$A5,\$E0,\$18,\$69,\$40
4430	B019301785	DB	\$B0,\$19,\$30,\$17,\$85,\$E0,\$20,\$DB,\$DA,\$A5,\$F0,\$10,\$0D,\$20,\$B6,\$DD
4440	A28FA0DE20	DB	\$A2,\$8F,\$A0,\$DE,\$20,\$89,\$DD,\$20,\$28,\$DB,\$60,\$38,\$60,\$3D,\$17,\$94
4450	1900003D57	DB	\$19,\$00,\$00,\$3D,\$57,\$33,\$05,\$00,\$00,\$3E,\$05,\$54,\$76,\$62,\$00,\$3E
4460	3219622700	DB	\$32,\$19,\$62,\$27,\$00,\$3F,\$01,\$68,\$60,\$30,\$36,\$3F,\$07,\$32,\$03,\$27
4470	413F254334	DB	\$41,\$3F,\$25,\$43,\$34,\$56,\$75,\$3F,\$66,\$27,\$37,\$30,\$50,\$40,\$01,\$15
4480	1292553F99	DB	\$12,\$92,\$55,\$3F,\$99,\$99,\$99,\$99,\$99,\$99,\$3F,\$43,\$42,\$94,\$48,\$19,\$40
4490	0100000000	DB	\$01,\$00,\$00,\$00,\$00,\$86,\$FE,\$84,\$FF,\$A2,\$E0,\$A0,\$05,\$20,\$A7,\$DD
44A0	A6FEA4FF20	DB	\$A6,\$FE,\$A4,\$FF,\$20,\$98,\$DD,\$20,\$66,\$DA,\$A2,\$E6,\$A0,\$05,\$20,\$A7
44B0	DDA2E0A005	DB	\$DD,\$A2,\$E0,\$A0,\$05,\$20,\$89,\$DD,\$A6,\$FE,\$A4,\$FF,\$20,\$98,\$DD,\$20
44C0	60DAA2E6A0	DB	\$60,\$DA,\$A2,\$E6,\$A0,\$05,\$20,\$98,\$DD,\$20,\$28,\$DB,\$60,\$A9,\$01,\$D0
44D0	02A90085F0	DB	\$02,\$A9,\$00,\$85,\$F0,\$A5,\$D4,\$10,\$02,\$38,\$60,\$A5,\$D4,\$85,\$E0,\$38
44E0	E9400A85F1	DB	\$E9,\$40,\$0A,\$85,\$F1,\$A5,\$D5,\$29,\$F0,\$D0,\$04,\$A9,\$01,\$D0,\$04,\$E6
44F0	F1A91085E1	DB	\$F1,\$A9,\$10,\$85,\$E1,\$A2,\$04,\$A9,\$00,\$95,\$E2,\$CA,\$10,\$FB,\$20,\$28
4500	DBA266A0DF	DB	\$DB,\$A2,\$66,\$A0,\$DF,\$20,\$95,\$DE,\$A2,\$E6,\$A0,\$05,\$20,\$A7,\$DD,\$20
4510	B6DD20DBDA	DB	\$B6,\$DD,\$20,\$DB,\$DA,\$A9,\$0A,\$A2,\$72,\$A0,\$DF,\$20,\$40,\$DD,\$A2,\$E6

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4520 A0052098DD DB $A0,$05,$20,$98,$DD,$20,$DB,$DA,$A2,$6C,$A0,$DF,$20,$98,$DD,$20
4530 66DA20B6DD DB $66,$DA,$20,$B6,$DD,$A9,$00,$85,$D5,$A5,$F1,$85,$D4,$10,$07,$49
4540 FF18690185 DB $FF,$18,$69,$01,$85,$D4,$20,$AA,$D9,$24,$F1,$10,$06,$A9,$80,$05
4550 D485D42066 DB $D4,$85,$D4,$20,$66,$DA,$A5,$F0,$F0,$0A,$A2,$89,$A0,$DE,$20,$98
4560 DD2028DB18 DB $DD,$20,$28,$DB,$18,$60,$40,$03,$16,$22,$77,$66,$3F,$50,$00,$00
4570 00003F4915 DB $00,$00,$3F,$49,$15,$57,$11,$08,$BF,$51,$70,$49,$47,$08,$3F,$39
4580 20576195BF DB $20,$57,$61,$95,$BF,$04,$39,$63,$03,$55,$3F,$10,$09,$30,$12,$64
4590 3F09390804 DB $3F,$09,$39,$08,$04,$60,$3F,$12,$42,$58,$47,$42,$3F,$17,$37,$12
45A0 06083F2895 DB $06,$08,$3F,$28,$95,$29,$71,$17,$3F,$86,$85,$88,$96,$44,$3E,$16
45B0 05444900BE DB $05,$44,$49,$00,$BE,$95,$68,$38,$45,$00,$3F,$02,$68,$79,$94,$16
45C0 BF04927890 DB $BF,$04,$92,$78,$90,$80,$3F,$07,$03,$15,$20,$00,$BF,$08,$92,$29
45D0 12443F1108 DB $12,$44,$3F,$11,$08,$40,$09,$11,$BF,$14,$28,$31,$56,$04,$3F,$19
45E0 99987744BF DB $99,$98,$77,$44,$BF,$33,$33,$33,$31,$13,$3F,$99,$99,$99,$99
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4600 0000000000 DB $00,$00,$00,$00,$00,$00,$00,$00,$00,$00,$18,$18,$18,$18,$00,$18,$00
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4620 183E603C06 DB $18,$3E,$60,$3C,$06,$7C,$18,$00,$00,$66,$6C,$18,$30,$66,$46,$00
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4640 000E1C1818 DB $00,$0E,$1C,$18,$18,$1C,$0E,$00,$00,$70,$38,$18,$18,$38,$70,$00
4650 00663CFF3C DB $00,$66,$3C,$FF,$3C,$66,$00,$00,$00,$18,$18,$7E,$18,$18,$00,$00
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4670 0000000000 DB $00,$00,$00,$00,$00,$18,$18,$00,$00,$06,$0C,$18,$30,$60,$40,$00
4680 003C666E76 DB $00,$3C,$66,$6E,$76,$66,$3C,$00,$00,$18,$38,$18,$18,$7E,$00
4690 003C660C18 DB $00,$3C,$66,$0C,$18,$30,$7E,$00,$00,$7E,$0C,$18,$0C,$66,$3C,$00
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4780 007C66667C DB $00,$7C,$66,$66,$7C,$60,$60,$00,$00,$3C,$66,$66,$66,$6C,$36,$00
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47A0 007E181818 DB $00,$7E,$18,$18,$18,$18,$18,$00,$00,$66,$66,$66,$66,$66,$7E,$00
47B0 0066666666 DB $00,$66,$66,$66,$66,$3C,$18,$00,$00,$63,$63,$6B,$7F,$77,$63,$00
47C0 0066663C3C DB $00,$66,$66,$3C,$3C,$66,$66,$00,$00,$66,$66,$3C,$18,$18,$18,$00
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4800 00367F7F3E DB $00,$36,$7F,$7F,$3E,$1C,$08,$00,$18,$18,$1F,$1F,$18,$18,$18
4810 0303030303 DB $03,$03,$03,$03,$03,$03,$03,$03,$18,$18,$18,$18,$F8,$F8,$00,$00
4820 181818F8F8 DB $18,$18,$18,$F8,$F8,$18,$18,$18,$00,$00,$00,$F8,$F8,$18,$18,$18
4830 03070E1C38 DB $03,$07,$0E,$1C,$38,$70,$E0,$C0,$C0,$E0,$70,$38,$1C,$0E,$07,$03
4840 0103070F1F DB $01,$03,$07,$0F,$1F,$3F,$7F,$FF,$00,$00,$00,$00,$0F,$0F,$0F,$0F
4850 80C0E0F0F8 DB $80,$C0,$E0,$F0,$F8,$FC,$FE,$FF,$0F,$0F,$0F,$0F,$00,$00,$00,$00
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4870 0000000000 DB $00,$00,$00,$00,$00,$00,$FF,$FF,$00,$00,$00,$00,$F0,$F0,$F0,$F0
4880 001C1C7777 DB $00,$1C,$1C,$77,$77,$08,$1C,$00,$00,$00,$00,$1F,$1F,$18,$18,$18
4890 000000FFFF DB $00,$00,$00,$FF,$FF,$00,$00,$00,$18,$18,$18,$FF,$FF,$18,$18,$18
48A0 00003C7E7E DB $00,$00,$3C,$7E,$7E,$7E,$3C,$00,$00,$00,$00,$FF,$FF,$FF,$FF
    
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48B0	C0C0C0C0C0	DB	\$C0,\$C0,\$C0,\$C0,\$C0,\$C0,\$C0,\$C0,\$00,\$00,\$00,\$FF,\$FF,\$18,\$18,\$18
48C0	181818FFFF	DB	\$18,\$18,\$18,\$FF,\$FF,\$00,\$00,\$00,\$F0,\$F0,\$F0,\$F0,\$F0,\$F0,\$F0,\$F0
48D0	1818181F1F	DB	\$18,\$18,\$18,\$1F,\$1F,\$00,\$00,\$00,\$78,\$60,\$78,\$60,\$7E,\$18,\$1E,\$00
48E0	00183C7E18	DB	\$00,\$18,\$3C,\$7E,\$18,\$18,\$18,\$18,\$00,\$00,\$18,\$18,\$18,\$7E,\$3C,\$18,\$00
48F0	0018307E30	DB	\$00,\$18,\$30,\$7E,\$30,\$18,\$00,\$00,\$00,\$18,\$0C,\$7E,\$0C,\$18,\$00,\$00
4900	00183C7E7E	DB	\$00,\$18,\$3C,\$7E,\$7E,\$3C,\$18,\$00,\$00,\$00,\$3C,\$06,\$3E,\$66,\$3E,\$00
4910	0060607C66	DB	\$00,\$60,\$60,\$7C,\$66,\$66,\$66,\$7C,\$00,\$00,\$00,\$3C,\$60,\$60,\$60,\$3C,\$00
4920	0006063E66	DB	\$00,\$06,\$06,\$3E,\$66,\$66,\$3E,\$00,\$00,\$00,\$3C,\$66,\$7E,\$60,\$3C,\$00
4930	000E183E18	DB	\$00,\$0E,\$18,\$3E,\$18,\$18,\$18,\$00,\$00,\$00,\$3E,\$66,\$66,\$3E,\$06,\$7C
4940	0060607C66	DB	\$00,\$60,\$60,\$7C,\$66,\$66,\$66,\$00,\$00,\$18,\$00,\$38,\$18,\$18,\$3C,\$00
4950	0006000606	DB	\$00,\$06,\$00,\$06,\$06,\$06,\$06,\$3C,\$00,\$60,\$60,\$6C,\$78,\$6C,\$66,\$00
4960	0038181818	DB	\$00,\$38,\$18,\$18,\$18,\$18,\$3C,\$00,\$00,\$00,\$66,\$7F,\$7F,\$6B,\$63,\$00
4970	00007C6666	DB	\$00,\$00,\$7C,\$66,\$66,\$66,\$66,\$00,\$00,\$00,\$00,\$3C,\$66,\$66,\$66,\$3C,\$00
4980	00007C6666	DB	\$00,\$00,\$7C,\$66,\$66,\$7C,\$60,\$60,\$00,\$00,\$3E,\$66,\$66,\$3E,\$06,\$06
4990	00007C6666	DB	\$00,\$00,\$7C,\$66,\$60,\$60,\$60,\$00,\$00,\$00,\$3E,\$66,\$66,\$3C,\$06,\$7C,\$00
49A0	00187E1818	DB	\$00,\$18,\$7E,\$18,\$18,\$18,\$0E,\$00,\$00,\$00,\$66,\$66,\$66,\$66,\$3E,\$00
49B0	0000666666	DB	\$00,\$00,\$66,\$66,\$66,\$3C,\$18,\$00,\$00,\$00,\$63,\$6B,\$7F,\$3E,\$36,\$00
49C0	0000663C18	DB	\$00,\$00,\$66,\$3C,\$18,\$3C,\$66,\$00,\$00,\$00,\$66,\$66,\$66,\$3E,\$0C,\$78
49D0	00007E0C18	DB	\$00,\$00,\$7E,\$0C,\$18,\$30,\$7E,\$00,\$00,\$18,\$3C,\$7E,\$7E,\$18,\$3C,\$00
49E0	1818181818	DB	\$18,\$18,\$18,\$18,\$18,\$18,\$18,\$18,\$18,\$00,\$7E,\$78,\$7C,\$6E,\$66,\$06,\$00
49F0	0818387838	DB	\$08,\$18,\$38,\$78,\$38,\$18,\$08,\$00,\$10,\$18,\$1C,\$1E,\$1C,\$18,\$10,\$00
4A00	FBF333F63D	DB	\$FB,\$F3,\$33,\$F6,\$3D,\$F6,\$A3,\$F6,\$33,\$F6,\$3C,\$F6,\$4C,\$E4,\$F3,\$00
4A10	F5F333F692	DB	\$F5,\$F3,\$33,\$F6,\$92,\$F5,\$B6,\$F5,\$33,\$F6,\$FB,\$FC,\$4C,\$E4,\$F3,\$00
4A20	33F633F6E1	DB	\$33,\$F6,\$33,\$F6,\$E1,\$F6,\$3C,\$F6,\$33,\$F6,\$3C,\$F6,\$4C,\$E4,\$F3,\$00
4A30	9EEDBEE9D	DB	\$9E,\$EE,\$DB,\$EE,\$9D,\$EE,\$A6,\$EE,\$80,\$EE,\$9D,\$EE,\$4C,\$78,\$EE,\$00
4A40	48EF2AF0D5	DB	\$48,\$EF,\$2A,\$F0,\$D5,\$EF,\$0F,\$F0,\$27,\$F0,\$4A,\$EF,\$4C,\$41,\$EE,\$00
4A50	4CEAE4DC0F	DB	\$4C,\$EA,\$ED,\$4C,\$F0,\$ED,\$4C,\$C4,\$E4,\$4C,\$59,\$E9,\$4C,\$ED,\$E8,\$4C
4A60	AEE74C05E9	DB	\$AE,\$E7,\$4C,\$05,\$E9,\$4C,\$44,\$E9,\$4C,\$F2,\$EB,\$4C,\$D5,\$E6,\$4C,\$A6
4A70	E44C23F24C	DB	\$E4,\$4C,\$23,\$F2,\$4C,\$1B,\$4C,\$F1,\$4C,\$25,\$F1,\$4C,\$E9,\$EF,\$4C,\$5D,\$EF
4A80	90E78FE78F	DB	\$90,\$E7,\$8F,\$E7,\$8F,\$E7,\$8F,\$E7,\$8F,\$E7,\$BE,\$FF,\$0F,\$EB,\$90,\$EA,\$CF,\$EA
4A90	8FE78FE78F	DB	\$8F,\$E7,\$8F,\$E7,\$8F,\$E7,\$06,\$E7,\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
4AA0	0000AEE705	DB	\$00,\$00,\$AE,\$E7,\$05,\$E9,\$A2,\$00,\$A9,\$FF,\$9D,\$40,\$03,\$A9,\$C0,\$9D
4AB0	4603A9E49D	DB	\$46,\$03,\$A9,\$E4,\$9D,\$47,\$03,\$8A,\$18,\$69,\$10,\$AA,\$C9,\$80,\$90,\$E8
4AC0	60A0856085	DB	\$60,\$A0,\$85,\$60,\$85,\$2F,\$86,\$2E,\$8A,\$29,\$0F,\$D0,\$04,\$E0,\$80,\$90
4AD0	05A0864C1B	DB	\$05,\$A0,\$86,\$4C,\$1B,\$E6,\$A0,\$00,\$BD,\$40,\$03,\$99,\$20,\$00,\$E8,\$C8
4AE0	C00C90F4A0	DB	\$C0,\$0C,\$90,\$F4,\$A0,\$84,\$A5,\$22,\$C9,\$03,\$90,\$25,\$A8,\$C0,\$0E,\$90
4AF0	02A00E8417	DB	\$02,\$A0,\$0E,\$84,\$17,\$B9,\$C6,\$E6,\$F0,\$0F,\$C9,\$02,\$F0,\$35,\$C9,\$08
4B00	B04CC904F0	DB	\$B0,\$4C,\$C9,\$04,\$F0,\$63,\$4C,\$C9,\$E5,\$A5,\$20,\$C9,\$FF,\$F0,\$05,\$A0
4B10	814C1BE620	DB	\$81,\$4C,\$1B,\$E6,\$20,\$9E,\$E6,\$B0,\$F8,\$20,\$3D,\$E6,\$B0,\$F3,\$20,\$89
4B20	E6A90B8517	DB	\$E6,\$A9,\$0B,\$85,\$17,\$20,\$3D,\$E6,\$A5,\$2C,\$85,\$26,\$A5,\$2D,\$85,\$27
4B30	4C1DE6A001	DB	\$4C,\$1D,\$E6,\$A0,\$01,\$84,\$23,\$20,\$3D,\$E6,\$B0,\$03,\$20,\$89,\$E6,\$A9
4B40	FF8520A9E4	DB	\$FF,\$85,\$20,\$A9,\$E4,\$85,\$27,\$A9,\$C0,\$85,\$26,\$4C,\$1D,\$E6,\$A5,\$20
4B50	C9FFD00520	DB	\$C9,\$FF,\$D0,\$05,\$20,\$9E,\$E6,\$B0,\$B8,\$20,\$3D,\$E6,\$20,\$89,\$E6,\$A6
4B60	2EBD400385	DB	\$2E,\$BD,\$40,\$03,\$85,\$20,\$4C,\$1D,\$E6,\$A5,\$22,\$25,\$2A,\$D0,\$05,\$A0
4B70	834C1BE620	DB	\$83,\$4C,\$1B,\$E6,\$20,\$3D,\$E6,\$B0,\$F8,\$A5,\$28,\$05,\$29,\$D0,\$08,\$20
4B80	89E6852F4C	DB	\$89,\$E6,\$85,\$2F,\$4C,\$1D,\$E6,\$20,\$89,\$E6,\$85,\$2F,\$30,\$35,\$A0,\$00
4B90	91242070E6	DB	\$91,\$24,\$20,\$70,\$E6,\$A5,\$22,\$29,\$02,\$D0,\$0C,\$A5,\$2F,\$C9,\$9B,\$D0
4BA0	062063E64C	DB	\$06,\$20,\$63,\$E6,\$4C,\$C3,\$E5,\$20,\$63,\$E6,\$D0,\$DB,\$A5,\$22,\$29,\$02
4BB0	D0112089E6	DB	\$D0,\$11,\$20,\$89,\$E6,\$85,\$2F,\$30,\$0A,\$A5,\$2F,\$C9,\$9B,\$D0,\$F3,\$A9
4BC0	8985232077	DB	\$89,\$85,\$23,\$20,\$77,\$E6,\$4C,\$1D,\$E6,\$A5,\$22,\$25,\$2A,\$D0,\$05,\$A0
4BD0	874C1BE620	DB	\$87,\$4C,\$1B,\$E6,\$20,\$3D,\$E6,\$B0,\$F8,\$A5,\$28,\$05,\$29,\$D0,\$06,\$A5
4BE0	2FE628D006	DB	\$2F,\$E6,\$28,\$D0,\$06,\$A0,\$00,\$B1,\$24,\$85,\$2F,\$20,\$89,\$E6,\$30,\$25
4BF0	2070E6A522	DB	\$20,\$70,\$E6,\$A5,\$22,\$29,\$02,\$D0,\$0C,\$A5,\$2F,\$C9,\$9B,\$D0,\$06,\$20
4C00	63E64C15E6	DB	\$63,\$E6,\$4C,\$15,\$E6,\$20,\$63,\$E6,\$D0,\$DB,\$A5,\$22,\$29,\$02,\$D0,\$05
4C10	A99B2089E6	DB	\$A9,\$9B,\$20,\$89,\$E6,\$20,\$77,\$E6,\$4C,\$1D,\$E6,\$84,\$23,\$A4,\$2E,\$B9
4C20	44038524B9	DB	\$44,\$03,\$85,\$24,\$B9,\$45,\$03,\$85,\$25,\$A2,\$00,\$B5,\$20,\$99,\$40,\$03
4C30	E8C8E00C90	DB	\$E8,\$C8,\$E0,\$0C,\$90,\$F5,\$A5,\$2F,\$A6,\$2E,\$A4,\$23,\$60,\$A4,\$20,\$C0

4C40	229004A085	DB	\$22,\$90,\$04,\$A0,\$85,\$B0,\$1B,\$B9,\$1B,\$03,\$85,\$2C,\$B9,\$1C,\$03,\$85
4C50	2DA417B9C6	DB	\$2D,\$A4,\$17,\$B9,\$C6,\$E6,\$A8,\$B1,\$2C,\$AA,\$C8,\$B1,\$2C,\$85,\$2D,\$86
4C60	2C1860C628	DB	\$2C,\$18,\$60,\$C6,\$28,\$A5,\$28,\$C9,\$FF,\$D0,\$02,\$C6,\$29,\$05,\$29,\$60
4C70	E624D002E6	DB	\$E6,\$24,\$D0,\$02,\$E6,\$25,\$60,\$A6,\$2E,\$38,\$BD,\$48,\$03,\$E5,\$28,\$85
4C80	28BD4903E5	DB	\$28,\$BD,\$49,\$03,\$E5,\$29,\$85,\$29,\$60,\$A0,\$92,\$20,\$93,\$E6,\$84,\$23
4C90	C00060AAA5	DB	\$C0,\$00,\$60,\$AA,\$A5,\$2D,\$48,\$A5,\$2C,\$48,\$8A,\$A6,\$2E,\$60,\$A0,\$00
4CA0	B124F00CA0	DB	\$B1,\$24,\$F0,\$0C,\$A0,\$21,\$D9,\$1A,\$03,\$F0,\$0A,\$88,\$88,\$88,\$10,\$F6
4CB0	A08238B013	DB	\$A0,\$82,\$38,\$B0,\$13,\$98,\$85,\$20,\$38,\$A0,\$01,\$B1,\$24,\$E9,\$30,\$C9
4CC0	0A9002A901	DB	\$0A,\$90,\$02,\$A9,\$01,\$85,\$21,\$18,\$60,\$00,\$04,\$04,\$04,\$04,\$06,\$06
4CD0	060602080A	DB	\$06,\$06,\$02,\$08,\$0A,\$A9,\$40,\$8D,\$0E,\$D4,\$A9,\$38,\$8D,\$02,\$D3,\$EA
4CE0	EAEA9008D	DB	\$EA,\$EA,\$A9,\$00,\$8D,\$00,\$D3,\$EA,\$EA,\$EA,\$A9,\$3C,\$8D,\$02,\$D3,\$8D
4CF0	03D3606C16	DB	\$03,\$D3,\$60,\$6C,\$16,\$02,\$80,\$40,\$04,\$02,\$01,\$08,\$10,\$20,\$36,\$08
4D00	1412100E0C	DB	\$14,\$12,\$10,\$0E,\$0C,\$0A,\$48,\$AD,\$0E,\$D2,\$29,\$20,\$D0,\$6D,\$A9,\$DF
4D10	8D0ED2A510	DB	\$8D,\$0E,\$D2,\$A5,\$10,\$8D,\$0E,\$D2,\$6C,\$0A,\$02,\$8A,\$48,\$A2,\$06,\$BD
4D20	F6E6E005D0	DB	\$F6,\$E6,\$E0,\$05,\$D0,\$04,\$25,\$10,\$F0,\$05,\$2C,\$0E,\$D2,\$F0,\$06,\$CA
4D30	10ED4C62E7	DB	\$10,\$ED,\$4C,\$62,\$E7,\$49,\$FF,\$8D,\$0E,\$D2,\$A5,\$10,\$8D,\$0E,\$D2,\$BD
4D40	FEE6AABD00	DB	\$FE,\$E6,\$AA,\$BD,\$00,\$02,\$8D,\$8C,\$02,\$BD,\$01,\$02,\$8D,\$8D,\$02,\$68
4D50	AA6C8C02A9	DB	\$AA,\$6C,\$8C,\$02,\$A9,\$00,\$85,\$11,\$8D,\$FF,\$02,\$8D,\$F0,\$02,\$85,\$4D
4D60	684068AA2C	DB	\$68,\$40,\$68,\$AA,\$2C,\$02,\$D3,\$10,\$06,\$AD,\$00,\$D3,\$6C,\$02,\$02,\$2C
4D70	03D31006AD	DB	\$03,\$D3,\$10,\$06,\$AD,\$01,\$D3,\$6C,\$04,\$02,\$68,\$8D,\$8C,\$02,\$68,\$48
4D80	2910F007AD	DB	\$29,\$10,\$F0,\$07,\$AD,\$8C,\$02,\$48,\$6C,\$06,\$02,\$AD,\$8C,\$02,\$48,\$68
4D90	402C0FD410	DB	\$40,\$2C,\$0F,\$D4,\$10,\$03,\$6C,\$00,\$02,\$48,\$AD,\$0F,\$D4,\$29,\$20,\$F0
4DA0	034C74E48A	DB	\$03,\$4C,\$74,\$E4,\$8A,\$48,\$98,\$48,\$8D,\$0F,\$D4,\$6C,\$22,\$06,\$E6,\$14
4DB0	D008E64DE6	DB	\$D0,\$08,\$E6,\$4D,\$E6,\$13,\$D0,\$02,\$E6,\$12,\$A9,\$FE,\$A2,\$00,\$A4,\$4D
4DC0	1006854DA6	DB	\$10,\$06,\$85,\$4D,\$A6,\$13,\$A9,\$F6,\$85,\$4E,\$86,\$4F,\$A2,\$00,\$20,\$D0
4DD0	E8D00320CA	DB	\$E8,\$D0,\$03,\$20,\$CA,\$E8,\$A5,\$42,\$D0,\$08,\$BA,\$BD,\$04,\$01,\$29,\$04
4DE0	F0034C05E9	DB	\$F0,\$03,\$4C,\$05,\$E9,\$AD,\$0D,\$D4,\$8D,\$35,\$02,\$AD,\$0C,\$D4,\$8D,\$34
4DF0	02AD31028D	DB	\$02,\$AD,\$31,\$02,\$8D,\$03,\$D4,\$AD,\$30,\$02,\$8D,\$02,\$D4,\$AD,\$2F,\$02
4E00	8D00D4AD6F	DB	\$8D,\$00,\$D4,\$AD,\$6F,\$02,\$8D,\$1B,\$D0,\$A2,\$08,\$8E,\$1F,\$D0,\$58,\$BD
4E10	C002454F25	DB	\$C0,\$02,\$45,\$4F,\$25,\$4E,\$9D,\$12,\$D0,\$CA,\$10,\$F2,\$AD,\$F4,\$02,\$8D
4E20	09D4ADF302	DB	\$09,\$D4,\$AD,\$F3,\$02,\$8D,\$01,\$D4,\$A2,\$02,\$20,\$D0,\$E8,\$D0,\$03,\$20
4E30	CDE8A202E8	DB	\$CD,\$E8,\$A2,\$02,\$E8,\$E8,\$BD,\$18,\$02,\$1D,\$19,\$02,\$F0,\$06,\$20,\$D0
4E40	E89D2602E0	DB	\$E8,\$9D,\$26,\$02,\$E0,\$08,\$D0,\$EC,\$AD,\$0F,\$D2,\$29,\$04,\$F0,\$08,\$AD
4E50	F102F003CE	DB	\$F1,\$02,\$F0,\$03,\$CE,\$F1,\$02,\$AD,\$2B,\$02,\$F0,\$17,\$AD,\$0F,\$D2,\$29
4E60	04D060CE2B	DB	\$04,\$D0,\$60,\$0C,\$2B,\$02,\$D0,\$0B,\$A9,\$06,\$8D,\$2B,\$02,\$AD,\$09,\$D2
4E70	8DFC02A001	DB	\$8D,\$FC,\$02,\$A0,\$01,\$A2,\$03,\$B9,\$00,\$D3,\$4A,\$4A,\$4A,\$4A,\$9D,\$78
4E80	02CAB900D3	DB	\$02,\$CA,\$B9,\$00,\$D3,\$29,\$0F,\$9D,\$78,\$02,\$CA,\$88,\$10,\$E9,\$A2,\$03
4E90	BD10D09D84	DB	\$BD,\$10,\$D0,\$9D,\$84,\$02,\$BD,\$00,\$D2,\$9D,\$70,\$02,\$BD,\$04,\$D2,\$9D
4EA0	7402CA10EB	DB	\$74,\$02,\$CA,\$10,\$EB,\$8D,\$0B,\$D2,\$A2,\$06,\$A0,\$03,\$B9,\$78,\$02,\$4A
4EB0	4A4A9D7D02	DB	\$4A,\$4A,\$9D,\$7D,\$02,\$A9,\$00,\$2A,\$9D,\$7C,\$02,\$CA,\$CA,\$88,\$10,\$EC
4EC0	6C2402A900	DB	\$6C,\$24,\$02,\$A9,\$00,\$8D,\$2B,\$02,\$F0,\$A9,\$6C,\$26,\$02,\$6C,\$28,\$02
4ED0	BC1802D008	DB	\$BC,\$18,\$02,\$D0,\$08,\$BC,\$19,\$02,\$F0,\$10,\$DE,\$19,\$02,\$DE,\$18,\$02
4EE0	D008BC1902	DB	\$D0,\$08,\$BC,\$19,\$02,\$D0,\$03,\$A9,\$00,\$60,\$A9,\$FF,\$60,\$0A,\$8D,\$2D
4EF0	028AA2058D	DB	\$02,\$8A,\$A2,\$05,\$8D,\$0A,\$D4,\$CA,\$D0,\$FD,\$AE,\$2D,\$02,\$9D,\$17,\$02
4F00	989D160260	DB	\$98,\$9D,\$16,\$02,\$60,\$68,\$A8,\$68,\$AA,\$68,\$40,\$66,\$66,\$7E,\$66,\$00
4F10	007C4CEDE8	DB	\$00,\$7C,\$4C,\$ED,\$E8,\$66,\$7C,\$00,\$00,\$3C,\$66,\$60,\$60,\$66,\$3C,\$00
4F20	00786C6666	DB	\$00,\$78,\$6C,\$66,\$66,\$6C,\$78,\$00,\$00,\$7E,\$60,\$7C,\$60,\$66,\$7E,\$00
4F30	007E607C60	DB	\$00,\$7E,\$60,\$7C,\$60,\$60,\$60,\$00,\$00,\$3E,\$60,\$60,\$6E,\$66,\$3E,\$00
4F40	0066667EA9	DB	\$00,\$66,\$66,\$7E,\$A9,\$3C,\$8D,\$02,\$D3,\$A9,\$3C,\$8D,\$03,\$D3,\$A9,\$03
4F50	8D32028541	DB	\$8D,\$32,\$02,\$85,\$41,\$8D,\$0F,\$D2,\$60,\$BA,\$8E,\$18,\$03,\$A9,\$01,\$85
4F60	42AD0003C9	DB	\$42,\$AD,\$00,\$03,\$C9,\$60,\$D0,\$03,\$4C,\$80,\$EB,\$A9,\$00,\$8D,\$0F,\$03
4F70	A9018537A9	DB	\$A9,\$01,\$85,\$37,\$A9,\$0D,\$85,\$36,\$A9,\$28,\$8D,\$04,\$D2,\$A9,\$00,\$8D
4F80	06D218AD00	DB	\$06,\$D2,\$18,\$AD,\$00,\$03,\$6D,\$01,\$03,\$69,\$FF,\$8D,\$3A,\$02,\$AD,\$02
4F90	038D3B02AD	DB	\$03,\$8D,\$3B,\$02,\$AD,\$0A,\$03,\$8D,\$3C,\$02,\$AD,\$0B,\$03,\$8D,\$3D,\$02
4FA0	18A93A8532	DB	\$18,\$A9,\$3A,\$85,\$32,\$69,\$04,\$85,\$34,\$A9,\$02,\$85,\$33,\$85,\$35,\$A9
4FB0	348D03D320	DB	\$34,\$8D,\$03,\$D3,\$20,\$8A,\$EC,\$AD,\$3F,\$02,\$D0,\$03,\$98,\$D0,\$07,\$C6
4FC0	3610B54C06	DB	\$36,\$10,\$B5,\$4C,\$06,\$EA,\$AD,\$03,\$03,\$10,\$0C,\$A9,\$0D,\$85,\$36,\$20

4FD0	6AEB208AEC	DB	\$6A,\$EB,\$20,\$8A,\$EC,\$F0,\$E8,\$20,\$75,\$EC,\$A9,\$00,\$8D,\$3F,\$02,\$20
4FE0	9BECF0122C	DB	\$9B,\$EC,\$F0,\$12,\$2C,\$03,\$03,\$70,\$07,\$AD,\$3F,\$02,\$D0,\$18,\$F0,\$1D
4FF0	206AEB20E0	DB	\$20,\$6A,\$EB,\$20,\$E0,\$EA,\$AD,\$3F,\$02,\$F0,\$05,\$AD,\$19,\$03,\$85,\$30
5000	A530C901F0	DB	\$A5,\$30,\$C9,\$01,\$F0,\$07,\$C6,\$37,\$30,\$03,\$4C,\$74,\$E9,\$20,\$5F,\$EC
5010	A9008542A4	DB	\$A9,\$00,\$85,\$42,\$A4,\$30,\$8C,\$03,\$03,\$60,\$A9,\$00,\$8D,\$3F,\$02,\$18
5020	A93E853269	DB	\$A9,\$3E,\$85,\$32,\$69,\$01,\$85,\$34,\$A9,\$02,\$85,\$33,\$85,\$35,\$A9,\$FF
5030	853C20E0EA	DB	\$85,\$3C,\$20,\$E0,\$EA,\$A0,\$FF,\$A5,\$30,\$C9,\$01,\$D0,\$19,\$AD,\$3E,\$02
5040	C941F021C9	DB	\$C9,\$41,\$F0,\$21,\$C9,\$43,\$F0,\$1D,\$C9,\$45,\$D0,\$06,\$A9,\$90,\$85,\$30
5050	D004A98B85	DB	\$D0,\$04,\$A9,\$8B,\$85,\$30,\$A5,\$30,\$C9,\$8A,\$F0,\$07,\$A9,\$FF,\$8D,\$3F
5060	02D002A000	DB	\$02,\$D0,\$02,\$A0,\$00,\$A5,\$30,\$8D,\$19,\$03,\$60,\$A9,\$01,\$85,\$30,\$20
5070	F2EBA00084	DB	\$F2,\$EB,\$A0,\$00,\$84,\$31,\$84,\$3B,\$84,\$3A,\$B1,\$32,\$8D,\$0D,\$D2,\$85
5080	31A511D003	DB	\$31,\$A5,\$11,\$D0,\$03,\$4C,\$A0,\$ED,\$A5,\$3A,\$F0,\$F5,\$20,\$5F,\$EC,\$60
5090	9848E632D0	DB	\$98,\$48,\$E6,\$32,\$D0,\$02,\$E6,\$33,\$A5,\$32,\$C5,\$34,\$A5,\$33,\$E5,\$35
50A0	901CA53BD0	DB	\$90,\$1C,\$A5,\$3B,\$D0,\$0B,\$A5,\$31,\$8D,\$0D,\$D2,\$A9,\$FF,\$85,\$3B,\$D0
50B0	09A5100908	DB	\$09,\$A5,\$10,\$09,\$08,\$85,\$10,\$8D,\$0E,\$D2,\$68,\$A8,\$68,\$40,\$A0,\$00
50C0	B1328D0DD2	DB	\$B1,\$32,\$8D,\$0D,\$D2,\$18,\$65,\$31,\$69,\$00,\$85,\$31,\$4C,\$BA,\$EA,\$A5
50D0	3BF00B853A	DB	\$3B,\$F0,\$0B,\$85,\$3A,\$A5,\$10,\$29,\$F7,\$85,\$10,\$8D,\$0E,\$D2,\$68,\$40
50E0	A900AC0F03	DB	\$A9,\$00,\$AC,\$0F,\$03,\$D0,\$02,\$85,\$31,\$85,\$38,\$85,\$39,\$A9,\$01,\$85
50F0	30201BECA9	DB	\$30,\$20,\$1B,\$EC,\$A9,\$3C,\$8D,\$03,\$D3,\$A5,\$11,\$D0,\$03,\$4C,\$A0,\$ED
5100	AD1703F005	DB	\$AD,\$17,\$03,\$F0,\$05,\$A5,\$39,\$F0,\$F0,\$60,\$A9,\$8A,\$85,\$30,\$60,\$98
5110	48AD0FD2D0	DB	\$48,\$AD,\$0F,\$D2,\$8D,\$0A,\$D2,\$30,\$04,\$A0,\$8C,\$84,\$30,\$29,\$20,\$D0
5120	04A08E8430	DB	\$04,\$A0,\$8E,\$84,\$30,\$A5,\$38,\$F0,\$13,\$AD,\$0D,\$D2,\$C5,\$31,\$F0,\$04
5130	A08F8430A9	DB	\$A0,\$8F,\$84,\$30,\$A9,\$FF,\$85,\$39,\$68,\$A8,\$68,\$40,\$AD,\$0D,\$D2,\$A0
5140	0091321865	DB	\$00,\$91,\$32,\$18,\$65,\$31,\$69,\$00,\$85,\$31,\$E6,\$32,\$D0,\$02,\$E6,\$33
5150	A532C534A5	DB	\$A5,\$32,\$C5,\$34,\$A5,\$33,\$E5,\$35,\$90,\$DE,\$A5,\$3C,\$F0,\$06,\$A9,\$00
5160	853CF0D0A9	DB	\$85,\$3C,\$F0,\$D0,\$A9,\$FF,\$85,\$38,\$D0,\$CE,\$18,\$AD,\$04,\$03,\$85,\$32
5170	6D08038534	DB	\$6D,\$08,\$03,\$85,\$34,\$AD,\$05,\$03,\$85,\$33,\$6D,\$09,\$03,\$85,\$35,\$60
5180	AD0303102E	DB	\$AD,\$03,\$03,\$10,\$2E,\$A9,\$CC,\$8D,\$04,\$D2,\$A9,\$05,\$8D,\$06,\$D2,\$20
5190	F2EBA00FAD	DB	\$F2,\$EB,\$A0,\$0F,\$AD,\$0B,\$03,\$30,\$02,\$A0,\$B4,\$00,\$20,\$B9,\$ED
51A0	A9348D02D3	DB	\$A9,\$34,\$8D,\$02,\$D3,\$AD,\$17,\$03,\$D0,\$FB,\$20,\$6A,\$EB,\$20,\$6B,\$EA
51B0	4CDFEBA9FF	DB	\$4C,\$DF,\$EB,\$A9,\$FF,\$8D,\$0F,\$03,\$A0,\$0A,\$AD,\$0B,\$03,\$30,\$02,\$A0
51C0	78A2002089	DB	\$78,\$A2,\$00,\$20,\$89,\$ED,\$A9,\$34,\$8D,\$02,\$D3,\$AD,\$17,\$03,\$D0,\$FB
51D0	206AEB2075	DB	\$20,\$6A,\$EB,\$20,\$75,\$EC,\$20,\$B9,\$ED,\$20,\$10,\$ED,\$20,\$E0,\$EA,\$AD
51E0	0B033005A9	DB	\$0B,\$03,\$30,\$05,\$A9,\$3C,\$8D,\$02,\$D3,\$4C,\$0D,\$EA,\$A9,\$00,\$8D,\$17
51F0	0360A9072D	DB	\$03,\$60,\$A9,\$07,\$2D,\$32,\$02,\$09,\$20,\$AC,\$00,\$03,\$06,\$D0,\$0C
5200	0908A0078C	DB	\$09,\$08,\$A0,\$07,\$8C,\$02,\$D2,\$A0,\$05,\$8C,\$00,\$D2,\$8D,\$32,\$02,\$8D
5210	0FD2A9C725	DB	\$0F,\$D2,\$A9,\$C7,\$25,\$10,\$09,\$10,\$4C,\$31,\$EC,\$A9,\$07,\$2D,\$32,\$02
5220	09108D3202	DB	\$09,\$10,\$8D,\$32,\$02,\$8D,\$0F,\$D2,\$8D,\$0A,\$D2,\$A9,\$C7,\$25,\$10,\$09
5230	2085108D0E	DB	\$20,\$85,\$10,\$8D,\$0E,\$D2,\$A9,\$28,\$8D,\$08,\$D2,\$A2,\$06,\$A9,\$A8,\$A4
5240	41D002A9A0	DB	\$41,\$D0,\$02,\$A9,\$A0,\$9D,\$01,\$D2,\$CA,\$CA,\$10,\$F9,\$A9,\$A0,\$8D,\$05
5250	D2AC0003C0	DB	\$D2,\$AC,\$00,\$03,\$C0,\$60,\$F0,\$06,\$8D,\$01,\$D2,\$8D,\$03,\$D2,\$60,\$EA
5260	A9C7251085	DB	\$A9,\$C7,\$25,\$10,\$85,\$10,\$8D,\$0E,\$D2,\$A2,\$06,\$A9,\$00,\$9D,\$01,\$D2
5270	CACA10F960	DB	\$CA,\$CA,\$10,\$F9,\$60,\$AD,\$06,\$03,\$6A,\$6A,\$A8,\$29,\$3F,\$AA,\$98,\$6A
5280	29C0A8600F	DB	\$29,\$C0,\$A8,\$60,\$0F,\$EB,\$90,\$EA,\$CF,\$EA,\$A2,\$01,\$A0,\$FF,\$88,\$D0
5290	FDCAD0F820	DB	\$FD,\$CA,\$D0,\$F8,\$20,\$6B,\$EA,\$A0,\$02,\$A2,\$00,\$20,\$B9,\$ED,\$20,\$1A
52A0	EA98608D10	DB	\$EA,\$98,\$60,\$8D,\$10,\$03,\$8C,\$11,\$03,\$20,\$04,\$ED,\$8D,\$10,\$03,\$AD
52B0	0C032004ED	DB	\$0C,\$03,\$20,\$04,\$ED,\$8D,\$0C,\$03,\$AD,\$10,\$03,\$38,\$ED,\$0C,\$03,\$8D
52C0	1203AD1103	DB	\$12,\$03,\$AD,\$11,\$03,\$38,\$ED,\$0D,\$03,\$A8,\$A9,\$7D,\$18,\$69,\$83,\$88
52D0	10FA186D12	DB	\$10,\$FA,\$18,\$6D,\$12,\$03,\$A8,\$4A,\$4A,\$4A,\$0A,\$38,\$E9,\$16,\$AA,\$98
52E0	2907A8A9F5	DB	\$29,\$07,\$A8,\$A9,\$F5,\$18,\$69,\$0B,\$88,\$10,\$FA,\$A0,\$00,\$8C,\$0E,\$03
52F0	38E9071003	DB	\$38,\$E9,\$07,\$10,\$03,\$CE,\$0E,\$03,\$18,\$7D,\$D0,\$ED,\$A8,\$AD,\$0E,\$03
5300	7DD1ED60C9	DB	\$7D,\$D1,\$ED,\$60,\$C9,\$7C,\$30,\$04,\$38,\$E9,\$7C,\$60,\$18,\$69,\$07,\$60
5310	A511D0034C	DB	\$A5,\$11,\$D0,\$03,\$4C,\$A0,\$ED,\$78,\$AD,\$17,\$03,\$D0,\$02,\$F0,\$25,\$AD
5320	0FD22910D0	DB	\$0F,\$D2,\$29,\$10,\$D0,\$EA,\$8D,\$16,\$03,\$AE,\$0B,\$D4,\$A4,\$14,\$8E,\$0C
5330	038C0D03A2	DB	\$03,\$8C,\$0D,\$03,\$A2,\$01,\$8E,\$15,\$03,\$A0,\$0A,\$A5,\$11,\$F0,\$61,\$AD
5340	1703D00458	DB	\$17,\$03,\$D0,\$04,\$58,\$4C,\$0A,\$EB,\$AD,\$0F,\$D2,\$29,\$10,\$CD,\$16,\$03
5350	F0E98D1603	DB	\$F0,\$E9,\$8D,\$16,\$03,\$88,\$D0,\$E3,\$CE,\$15,\$03,\$30,\$12,\$AD,\$0B,\$D4

5360	A41420A3EC	DB	\$A4,\$14,\$20,\$A3,\$EC,\$8C,\$EE,\$02,\$8D,\$EF,\$02,\$A0,\$09,\$D0,\$CC,\$AD
5370	EE028D04D2	DB	\$EE,\$02,\$8D,\$04,\$D2,\$AD,\$EF,\$02,\$8D,\$06,\$D2,\$A9,\$00,\$8D,\$0F,\$D2
5380	AD32028D0F	DB	\$AD,\$32,\$02,\$8D,\$0F,\$D2,\$A9,\$55,\$91,\$32,\$C8,\$91,\$32,\$A9,\$AA,\$85
5390	3118A53269	DB	\$31,\$18,\$A5,\$32,\$69,\$02,\$85,\$32,\$A5,\$33,\$69,\$00,\$85,\$33,\$58,\$60
53A0	205FECA93C	DB	\$20,\$5F,\$EC,\$A9,\$3C,\$8D,\$02,\$D3,\$8D,\$03,\$D3,\$A9,\$80,\$85,\$30,\$AE
53B0	18039AC611	DB	\$18,\$03,\$9A,\$C6,\$11,\$58,\$4C,\$0D,\$EA,\$A9,\$EC,\$8D,\$26,\$02,\$A9,\$EB
53C0	8D2702A901	DB	\$8D,\$27,\$02,\$A9,\$01,\$78,\$20,\$5C,\$E4,\$A9,\$01,\$8D,\$17,\$03,\$58,\$60
53D0	E80343049E	DB	\$E8,\$03,\$43,\$04,\$9E,\$04,\$F9,\$04,\$54,\$05,\$AF,\$05,\$0A,\$06,\$65,\$06
53E0	C0061A0775	DB	\$C0,\$06,\$1A,\$07,\$75,\$07,\$D0,\$07,\$24,\$85,\$A9,\$A0,\$8D,\$46,\$02,\$60
53F0	A9318D0003	DB	\$A9,\$31,\$8D,\$00,\$03,\$AD,\$46,\$02,\$AE,\$02,\$03,\$E0,\$21,\$F0,\$02,\$A9
5400	078D0603A2	DB	\$07,\$8D,\$06,\$03,\$A2,\$40,\$A0,\$80,\$AD,\$02,\$03,\$C9,\$57,\$D0,\$02,\$A2
5410	80C953D00C	DB	\$80,\$C9,\$53,\$D0,\$0C,\$A9,\$EA,\$8D,\$04,\$03,\$A9,\$02,\$8D,\$05,\$03,\$A0
5420	048E03038C	DB	\$04,\$8E,\$03,\$03,\$8C,\$08,\$03,\$A9,\$00,\$8D,\$09,\$03,\$20,\$59,\$E4,\$10
5430	0160AD0203	DB	\$01,\$60,\$AD,\$02,\$03,\$C9,\$53,\$D0,\$0A,\$20,\$6D,\$EE,\$A0,\$02,\$B1,\$15
5440	8D4602AD02	DB	\$8D,\$46,\$02,\$AD,\$02,\$03,\$C9,\$21,\$D0,\$1F,\$20,\$6D,\$EE,\$A0,\$FE,\$C8
5450	C8B115C9FF	DB	\$C8,\$B1,\$15,\$C9,\$FF,\$D0,\$F8,\$C8,\$B1,\$15,\$C8,\$C9,\$FF,\$D0,\$F2,\$88
5460	888C0803A9	DB	\$88,\$8C,\$08,\$03,\$A9,\$00,\$8D,\$09,\$03,\$AC,\$03,\$03,\$60,\$A9,\$04,\$03
5470	8515AD0503	DB	\$85,\$15,\$AD,\$05,\$03,\$85,\$16,\$60,\$A9,\$1E,\$85,\$1C,\$60,\$EA,\$02,\$C0
5480	03A904851E	DB	\$03,\$A9,\$04,\$85,\$1E,\$AE,\$7D,\$EE,\$AC,\$7E,\$EE,\$A9,\$53,\$8D,\$02,\$03
5490	8D0A0320E6	DB	\$8D,\$0A,\$03,\$20,\$E6,\$EE,\$20,\$59,\$E4,\$30,\$03,\$20,\$14,\$EF,\$60,\$20
54A0	81EEA90085	DB	\$81,\$EE,\$A9,\$00,\$85,\$1D,\$60,\$85,\$1F,\$20,\$1A,\$EF,\$A6,\$1D,\$A5,\$1F
54B0	9DC003E8E4	DB	\$9D,\$C0,\$03,\$E8,\$E4,\$1E,\$F0,\$13,\$86,\$1D,\$C9,\$9B,\$F0,\$03,\$A0,\$01
54C0	60A9209DC0	DB	\$60,\$A9,\$20,\$9D,\$C0,\$03,\$E8,\$E4,\$1E,\$D0,\$F8,\$A9,\$00,\$85,\$1D,\$AE
54D0	7FEEAC80EE	DB	\$7F,\$EE,\$AC,\$80,\$EE,\$20,\$E6,\$EE,\$20,\$59,\$E4,\$60,\$20,\$1A,\$EF,\$A6
54E0	1DD0DEA001	DB	\$1D,\$D0,\$DE,\$A0,\$01,\$60,\$8E,\$04,\$03,\$8C,\$05,\$03,\$A9,\$40,\$8D,\$00
54F0	03A9018D01	DB	\$03,\$A9,\$01,\$8D,\$01,\$03,\$A9,\$80,\$AE,\$02,\$03,\$E0,\$53,\$D0,\$02,\$A9
5500	408D0303A5	DB	\$40,\$8D,\$03,\$03,\$A5,\$1E,\$8D,\$08,\$03,\$A9,\$00,\$8D,\$09,\$03,\$A5,\$1C
5510	8D060360AD	DB	\$8D,\$06,\$03,\$60,\$AD,\$EC,\$02,\$85,\$1C,\$60,\$A0,\$57,\$A5,\$2B,\$C9,\$5E
5520	D004A228D0	DB	\$D0,\$04,\$A2,\$28,\$D0,\$0E,\$C9,\$44,\$D0,\$04,\$A2,\$14,\$D0,\$06,\$C9,\$43
5530	D00BA21D86	DB	\$D0,\$0B,\$A2,\$1D,\$86,\$1E,\$8C,\$02,\$03,\$8D,\$0A,\$03,\$60,\$A9,\$4E,\$D0
5540	DDA9CC8DEE	DB	\$DD,\$A9,\$CC,\$8D,\$EE,\$02,\$A9,\$05,\$8D,\$EF,\$02,\$60,\$A5,\$2B,\$85,\$3E
5550	A52A290CC9	DB	\$A5,\$2A,\$29,\$0C,\$C9,\$04,\$F0,\$05,\$C9,\$08,\$F0,\$39,\$60,\$A9,\$00,\$8D
5560	8902853FA9	DB	\$89,\$02,\$85,\$3F,\$A9,\$01,\$20,\$58,\$F0,\$30,\$24,\$A9,\$34,\$8D,\$02,\$D3
5570	A040A202A9	DB	\$A0,\$40,\$A2,\$02,\$A9,\$03,\$8D,\$2A,\$02,\$20,\$5C,\$E4,\$AD,\$2A,\$02,\$D0
5580	FBA980853D	DB	\$FB,\$A9,\$80,\$85,\$3D,\$8D,\$8A,\$02,\$4C,\$D3,\$EF,\$A0,\$80,\$C6,\$11,\$A9
5590	008D890260	DB	\$00,\$8D,\$89,\$02,\$60,\$A9,\$80,\$8D,\$89,\$02,\$A9,\$02,\$20,\$58,\$F0,\$30
55A0	EEA9CC8D04	DB	\$EE,\$A9,\$CC,\$8D,\$04,\$D2,\$A9,\$05,\$8D,\$06,\$D2,\$A9,\$60,\$8D,\$00,\$03
55B0	2068E4A934	DB	\$20,\$68,\$E4,\$A9,\$34,\$8D,\$02,\$D3,\$A9,\$03,\$A2,\$04,\$A0,\$80,\$20,\$5C
55C0	E4A9FF8D2A	DB	\$E4,\$A9,\$FF,\$8D,\$2A,\$02,\$A5,\$11,\$F0,\$C1,\$AD,\$2A,\$02,\$D0,\$F7,\$A9
55D0	00853DA001	DB	\$00,\$85,\$3D,\$A0,\$01,\$60,\$A5,\$3F,\$30,\$33,\$A6,\$3D,\$EC,\$8A,\$02,\$F0
55E0	08BD0004E6	DB	\$08,\$BD,\$00,\$04,\$E6,\$3D,\$A0,\$01,\$60,\$A9,\$52,\$20,\$95,\$F0,\$98,\$30
55F0	F7A900853D	DB	\$F7,\$A9,\$00,\$85,\$3D,\$A2,\$80,\$AD,\$FF,\$03,\$C9,\$FE,\$F0,\$0D,\$C9,\$FA
5600	D003AE7F04	DB	\$D0,\$03,\$AE,\$7F,\$04,\$8E,\$8A,\$02,\$4C,\$D6,\$EF,\$C6,\$3F,\$A0,\$88,\$60
5610	A63D9D0004	DB	\$A6,\$3D,\$9D,\$00,\$04,\$E6,\$3D,\$A0,\$01,\$E0,\$7F,\$F0,\$01,\$60,\$A9,\$FC
5620	20D2F0A900	DB	\$20,\$D2,\$F0,\$A9,\$00,\$85,\$3D,\$60,\$A0,\$01,\$60,\$AD,\$89,\$02,\$30,\$08
5630	A001A93C8D	DB	\$A0,\$01,\$A9,\$3C,\$8D,\$02,\$D3,\$60,\$A6,\$3D,\$F0,\$0A,\$8E,\$7F,\$04,\$A9
5640	FA20D2F030	DB	\$FA,\$20,\$D2,\$F0,\$30,\$EC,\$A2,\$7F,\$A9,\$00,\$9D,\$00,\$04,\$CA,\$10,\$FA
5650	A9FE20D2F0	DB	\$A9,\$FE,\$20,\$D2,\$F0,\$4C,\$32,\$F0,\$85,\$40,\$A5,\$14,\$18,\$69,\$1E,\$AA
5660	A9FF8D1FD0	DB	\$A9,\$FF,\$8D,\$1F,\$D0,\$A9,\$00,\$A0,\$F0,\$88,\$D0,\$FD,\$8D,\$1F,\$D0,\$A0
5670	F088D0FDE4	DB	\$F0,\$88,\$D0,\$FD,\$E4,\$14,\$D0,\$E8,\$C6,\$40,\$F0,\$0B,\$8A,\$18,\$69,\$0A
5680	AAE414D0FC	DB	\$AA,\$E4,\$14,\$D0,\$FC,\$F0,\$D3,\$20,\$8C,\$F0,\$98,\$60,\$AD,\$25,\$E4,\$48
5690	AD24E44860	DB	\$AD,\$24,\$E4,\$48,\$60,\$8D,\$02,\$03,\$A9,\$00,\$8D,\$09,\$03,\$A9,\$83,\$8D
56A0	0803A9038D	DB	\$08,\$03,\$A9,\$03,\$8D,\$05,\$03,\$A9,\$FD,\$8D,\$04,\$03,\$A9,\$60,\$8D,\$00
56B0	03A9008D01	DB	\$03,\$A9,\$00,\$8D,\$01,\$03,\$A9,\$23,\$8D,\$06,\$03,\$AD,\$02,\$03,\$A0,\$40
56C0	C952F002A0	DB	\$C9,\$52,\$F0,\$02,\$A0,\$80,\$8C,\$03,\$03,\$A5,\$3E,\$8D,\$0B,\$03,\$20,\$59
56D0	E4608DFF03	DB	\$E4,\$60,\$8D,\$FF,\$03,\$A9,\$55,\$8D,\$FD,\$03,\$8D,\$FE,\$03,\$A9,\$57,\$20
56E0	95F0605030	DB	\$95,\$F0,\$60,\$50,\$30,\$E4,\$43,\$40,\$E4,\$45,\$00,\$E4,\$53,\$10,\$E4,\$4B

56F0	20E47D4154	DB	\$20,\$E4,\$7D,\$41,\$54,\$41,\$52,\$49,\$20,\$43,\$4F,\$4D,\$50,\$55,\$54,\$45
5700	52202D204D	DB	\$52,\$20,\$2D,\$20,\$4D,\$45,\$4D,\$4F,\$20,\$50,\$41,\$44,\$9B,\$42,\$4F,\$4F
5710	5420455252	DB	\$54,\$20,\$45,\$52,\$52,\$4F,\$52,\$9B,\$45,\$3A,\$9B,\$78,\$AD,\$44,\$02,\$D0
5720	04A9FFD003	DB	\$04,\$A9,\$FF,\$D0,\$03,\$78,\$A9,\$00,\$85,\$08,\$D8,\$A2,\$FF,\$9A,\$20,\$3F
5730	F22077F2A5	DB	\$F2,\$20,\$77,\$F2,\$A5,\$08,\$D0,\$28,\$A9,\$00,\$A0,\$08,\$85,\$04,\$85,\$05
5740	9104C8C000	DB	\$91,\$04,\$C8,\$C0,\$00,\$D0,\$F9,\$E6,\$05,\$A6,\$05,\$E4,\$06,\$D0,\$F1,\$AD
5750	72E4850AAD	DB	\$72,\$E4,\$85,\$0A,\$AD,\$73,\$E4,\$85,\$0B,\$A9,\$FF,\$8D,\$44,\$02,\$D0,\$13
5760	A2008A9D00	DB	\$A2,\$00,\$8A,\$9D,\$00,\$02,\$9D,\$00,\$03,\$CA,\$D0,\$F7,\$A2,\$10,\$95,\$00
5770	E810FBA902	DB	\$E8,\$10,\$FB,\$A9,\$02,\$85,\$52,\$A9,\$27,\$85,\$53,\$A2,\$25,\$BD,\$80,\$E4
5780	900002CA10	DB	\$9D,\$00,\$02,\$CA,\$10,\$F7,\$20,\$8A,\$F2,\$58,\$A2,\$0E,\$BD,\$E3,\$F0,\$9D
5790	1A03CA10F7	DB	\$1A,\$03,\$CA,\$10,\$F7,\$A2,\$00,\$86,\$07,\$86,\$06,\$AE,\$E4,\$02,\$E0,\$90
57A0	B00AADFC9F	DB	\$B0,\$0A,\$AD,\$FC,\$9F,\$D0,\$05,\$E6,\$07,\$20,\$3C,\$F2,\$AE,\$E4,\$02,\$E0
57B0	B0B00AAEFC	DB	\$B0,\$B0,\$0A,\$AE,\$FC,\$BF,\$D0,\$05,\$E6,\$06,\$20,\$39,\$F2,\$A9,\$03,\$A2
57C0	009D4203A9	DB	\$00,\$9D,\$42,\$03,\$A9,\$18,\$9D,\$44,\$03,\$A9,\$F1,\$9D,\$45,\$03,\$A9,\$0C
57D0	9D4A032056	DB	\$9D,\$4A,\$03,\$20,\$56,\$E4,\$10,\$03,\$4C,\$25,\$F1,\$E8,\$D0,\$FD,\$C8,\$10
57E0	FA20B2F3A5	DB	\$FA,\$20,\$B2,\$F3,\$A5,\$06,\$05,\$07,\$F0,\$12,\$A5,\$06,\$F0,\$03,\$AD,\$FD
57F0	BFA607F003	DB	\$BF,\$A6,\$07,\$F0,\$03,\$0D,\$FD,\$9F,\$29,\$01,\$F0,\$03,\$20,\$CF,\$F2,\$A9
5800	008D4402A5	DB	\$00,\$8D,\$44,\$02,\$A5,\$06,\$F0,\$0A,\$AD,\$FD,\$BF,\$29,\$04,\$F0,\$03,\$6C
5810	FABFA507F0	DB	\$FA,\$BF,\$A5,\$07,\$F0,\$0A,\$AD,\$FD,\$9F,\$29,\$04,\$F0,\$DF,\$6C,\$FA,\$9F
5820	6C0A00A2F2	DB	\$6C,\$0A,\$00,\$A2,\$F2,\$A0,\$F0,\$20,\$85,\$F3,\$20,\$30,\$F2,\$4C,\$2A,\$F2
5830	AD05E448AD	DB	\$AD,\$05,\$E4,\$48,\$AD,\$04,\$E4,\$48,\$60,\$6C,\$FE,\$BF,\$6C,\$FE,\$9F,\$AD
5840	FCBFD013EE	DB	\$FC,\$BF,\$D0,\$13,\$EE,\$FC,\$BF,\$AD,\$FC,\$BF,\$D0,\$08,\$AD,\$FD,\$BF,\$10
5850	036CFEBFCE	DB	\$03,\$6C,\$FE,\$BF,\$CE,\$FC,\$BF,\$A0,\$00,\$84,\$05,\$A9,\$10,\$85,\$06,\$B1
5860	0549FF9105	DB	\$05,\$49,\$FF,\$91,\$05,\$D1,\$05,\$D0,\$0D,\$49,\$FF,\$91,\$05,\$A5,\$06,\$18
5870	69108506D0	DB	\$69,\$10,\$85,\$06,\$D0,\$E9,\$60,\$A9,\$00,\$AA,\$9D,\$00,\$D0,\$9D,\$00,\$D4
5880	9D0002EAEA	DB	\$9D,\$00,\$D2,\$EA,\$EA,\$E8,\$D0,\$F1,\$60,\$C6,\$11,\$A9,\$54,\$8D,\$36
5890	02A9E78D37	DB	\$02,\$A9,\$E7,\$8D,\$37,\$02,\$A5,\$06,\$8D,\$E4,\$02,\$8D,\$E6,\$02,\$A9,\$00
58A0	8DE502A900	DB	\$8D,\$E5,\$02,\$A9,\$00,\$8D,\$E7,\$02,\$A9,\$07,\$8D,\$E8,\$02,\$20,\$0C,\$E4
58B0	201CE4202C	DB	\$20,\$1C,\$E4,\$20,\$2C,\$E4,\$20,\$3C,\$E4,\$20,\$4C,\$E4,\$20,\$6E,\$E4,\$20
58C0	65E4206BE4	DB	\$65,\$E4,\$20,\$6B,\$E4,\$AD,\$1F,\$D0,\$29,\$01,\$D0,\$02,\$E6,\$4A,\$60,\$A5
58D0	08F00AA509	DB	\$08,\$F0,\$0A,\$A5,\$09,\$29,\$01,\$F0,\$03,\$20,\$7E,\$F3,\$60,\$A9,\$01,\$8D
58E0	0103A9538D	DB	\$01,\$03,\$A9,\$53,\$8D,\$02,\$03,\$20,\$53,\$E4,\$10,\$01,\$60,\$A9,\$00,\$8D
58F0	0B03A9018D	DB	\$0B,\$03,\$A9,\$01,\$8D,\$0A,\$03,\$A9,\$00,\$8D,\$04,\$03,\$A9,\$04,\$8D,\$05
5900	03209DF310	DB	\$03,\$20,\$9D,\$F3,\$10,\$08,\$20,\$81,\$F3,\$A5,\$4B,\$F0,\$E0,\$60,\$A2,\$03
5910	BD00049D40	DB	\$BD,\$00,\$04,\$9D,\$40,\$02,\$CA,\$10,\$F7,\$AD,\$42,\$02,\$85,\$04,\$AD,\$43
5920	028505AD04	DB	\$02,\$85,\$05,\$AD,\$04,\$04,\$85,\$0C,\$AD,\$05,\$04,\$85,\$0D,\$A0,\$7F,\$B9
5930	0004910488	DB	\$00,\$04,\$91,\$04,\$88,\$10,\$F8,\$18,\$A5,\$04,\$69,\$80,\$85,\$04,\$A5,\$05
5940	69008505CE	DB	\$69,\$00,\$85,\$05,\$CE,\$41,\$02,\$F0,\$11,\$EE,\$0A,\$03,\$20,\$9D,\$F3,\$10
5950	DC2081F3A5	DB	\$DC,\$20,\$81,\$F3,\$A5,\$4B,\$D0,\$AE,\$F0,\$F2,\$A5,\$4B,\$F0,\$03,\$20,\$9D
5960	F3206CF3B0	DB	\$F3,\$20,\$6C,\$F3,\$B0,\$A0,\$20,\$7E,\$F3,\$E6,\$09,\$60,\$18,\$AD,\$42,\$02
5970	69068504AD	DB	\$69,\$06,\$85,\$04,\$AD,\$43,\$02,\$69,\$00,\$85,\$05,\$6C,\$04,\$00,\$6C,\$0C
5980	00A20DA0F1	DB	\$00,\$A2,\$0D,\$A0,\$F1,\$8A,\$A2,\$00,\$9D,\$44,\$03,\$98,\$9D,\$45,\$03,\$A9
5990	099D4203A9	DB	\$09,\$9D,\$42,\$03,\$A9,\$FF,\$9D,\$48,\$03,\$20,\$56,\$E4,\$60,\$A5,\$4B,\$F0
59A0	034C7AE4A9	DB	\$03,\$4C,\$7A,\$E4,\$A9,\$52,\$8D,\$02,\$03,\$A9,\$01,\$8D,\$01,\$03,\$20,\$53
59B0	E460A508F0	DB	\$E4,\$60,\$A5,\$08,\$F0,\$0A,\$A5,\$09,\$29,\$02,\$F0,\$03,\$20,\$E1,\$F3,\$60
59C0	A54AF01CA9	DB	\$A5,\$4A,\$F0,\$1C,\$A9,\$80,\$85,\$3E,\$E6,\$4B,\$20,\$7D,\$E4,\$20,\$01,\$F3
59D0	A900854B85	DB	\$A9,\$00,\$85,\$4B,\$85,\$4A,\$06,\$09,\$A5,\$0C,\$85,\$02,\$A5,\$0D,\$85,\$03
59E0	606C0200A9	DB	\$60,\$6C,\$02,\$00,\$A9,\$FF,\$8D,\$FC,\$02,\$AD,\$E6,\$02,\$29,\$F0,\$85,\$6A
59F0	A9408DBE02	DB	\$A9,\$40,\$8D,\$BE,\$02,\$60,\$A5,\$2B,\$29,\$0F,\$D0,\$08,\$A5,\$2A,\$29,\$0F
5A00	852AA90085	DB	\$85,\$2A,\$A9,\$00,\$85,\$57,\$A9,\$E0,\$8D,\$F4,\$02,\$A9,\$02,\$8D,\$F3,\$02
5A10	8D2F02A901	DB	\$8D,\$2F,\$02,\$A9,\$01,\$85,\$4C,\$A9,\$C0,\$05,\$10,\$85,\$10,\$8D,\$0E,\$D2
5A20	A9008D9302	DB	\$A9,\$00,\$8D,\$93,\$02,\$85,\$64,\$85,\$7B,\$8D,\$F0,\$02,\$A0,\$0E,\$A9,\$01
5A30	99A3028810	DB	\$99,\$A3,\$02,\$88,\$10,\$FA,\$A2,\$04,\$BD,\$C1,\$FE,\$9D,\$C4,\$02,\$CA,\$10
5A40	F7A46A888C	DB	\$F7,\$A4,\$6A,\$88,\$8C,\$95,\$02,\$A9,\$60,\$8D,\$94,\$02,\$A6,\$57,\$BD,\$69
5A50	FED004A991	DB	\$FE,\$D0,\$04,\$A9,\$91,\$85,\$4C,\$85,\$51,\$A5,\$6A,\$85,\$65,\$BC,\$45,\$FE
5A60	A9282021F9	DB	\$A9,\$28,\$20,\$21,\$F9,\$88,\$D0,\$F8,\$AD,\$6F,\$02,\$29,\$3F,\$85,\$67,\$A8
5A70	E00890178A	DB	\$E0,\$08,\$90,\$17,\$8A,\$6A,\$6A,\$6A,\$29,\$C0,\$05,\$67,\$A8,\$A9,\$10,\$20

5A80	21F9E00BD0	DB	\$21,\$F9,\$E0,\$0B,\$D0,\$05,\$A9,\$06,\$8D,\$C8,\$02,\$8C,\$F6,\$02,\$A5,\$64
5A90	8558A56585	DB	\$85,\$58,\$A5,\$65,\$85,\$59,\$AD,\$0B,\$D4,\$C9,\$7A,\$D0,\$F9,\$20,\$1F,\$F9
5AA0	BD75FEF006	DB	\$8D,\$75,\$FE,\$F0,\$06,\$A9,\$FF,\$85,\$64,\$C6,\$65,\$A5,\$64,\$85,\$68,\$A5
5AB0	6585692013	DB	\$65,\$85,\$69,\$20,\$13,\$F9,\$A9,\$41,\$20,\$17,\$F9,\$86,\$66,\$A9,\$18,\$8D
5AC0	BF02A557C9	DB	\$BF,\$02,\$A5,\$57,\$C9,\$09,\$B0,\$2D,\$A5,\$2A,\$29,\$10,\$F0,\$27,\$A9,\$04
5AD0	8DBF02A202	DB	\$8D,\$BF,\$02,\$A2,\$02,\$A9,\$02,\$20,\$17,\$F9,\$CA,\$10,\$F8,\$A4,\$6A,\$88
5AE0	982017F9A9	DB	\$98,\$20,\$17,\$F9,\$A9,\$60,\$20,\$17,\$F9,\$A9,\$42,\$20,\$17,\$F9,\$18,\$A9
5AF0	0C65668566	DB	\$0C,\$65,\$66,\$85,\$66,\$A4,\$66,\$BE,\$51,\$FE,\$A5,\$51,\$20,\$17,\$F9,\$CA
5B00	D0F8A557C9	DB	\$D0,\$F8,\$A5,\$57,\$C9,\$08,\$90,\$1C,\$A2,\$5D,\$A5,\$6A,\$38,\$E9,\$10,\$20
5B10	17F9A90020	DB	\$17,\$F9,\$A9,\$00,\$20,\$17,\$F9,\$A9,\$4F,\$20,\$17,\$F9,\$A5,\$51,\$20,\$17
5B20	F9CAD0F8A5	DB	\$F9,\$CA,\$D0,\$F8,\$A5,\$59,\$20,\$17,\$F9,\$A5,\$58,\$20,\$17,\$F9,\$A5,\$51
5B30	09A02017F9	DB	\$09,\$40,\$20,\$17,\$F9,\$A9,\$70,\$20,\$17,\$F9,\$A9,\$70,\$20,\$17,\$F9,\$A5
5B40	648D3002A5	DB	\$64,\$8D,\$30,\$02,\$A5,\$65,\$8D,\$31,\$02,\$A9,\$70,\$20,\$17,\$F9,\$A5,\$64
5B50	8DE502A565	DB	\$8D,\$E5,\$02,\$A5,\$65,\$8D,\$E6,\$02,\$A5,\$68,\$85,\$64,\$A5,\$69,\$85,\$65
5B60	AD31022017	DB	\$AD,\$31,\$02,\$20,\$17,\$F9,\$AD,\$30,\$02,\$20,\$17,\$F9,\$A5,\$4C,\$10,\$07
5B70	4820FCF368	DB	\$48,\$20,\$FC,\$F3,\$68,\$A8,\$60,\$A5,\$2A,\$29,\$20,\$D0,\$0B,\$20,\$B9,\$F7
5B80	8D9002A552	DB	\$8D,\$90,\$02,\$A5,\$52,\$8D,\$91,\$02,\$A9,\$22,\$0D,\$02,\$8D,\$2F,\$02
5B90	4C21F62096	DB	\$4C,\$21,\$F6,\$20,\$96,\$FA,\$20,\$A2,\$F5,\$20,\$32,\$FB,\$20,\$D4,\$F9,\$4C
5BA0	34F62047F9	DB	\$34,\$F6,\$20,\$47,\$F9,\$B1,\$64,\$2D,\$A0,\$02,\$46,\$6F,\$B0,\$03,\$4A,\$10
5BB0	F98DFA02C9	DB	\$F9,\$8D,\$FA,\$02,\$C9,\$00,\$60,\$8D,\$FB,\$02,\$20,\$96,\$FA,\$AD,\$FB,\$02
5BC0	C97DD00620	DB	\$C9,\$7D,\$D0,\$06,\$20,\$B9,\$F7,\$4C,\$21,\$F6,\$AD,\$FB,\$02,\$C9,\$9B,\$D0
5BD0	062030FA4C	DB	\$06,\$20,\$30,\$FA,\$4C,\$21,\$F6,\$20,\$E0,\$F5,\$20,\$D8,\$F9,\$4C,\$21,\$F6
5BE0	ADFF02D0FB	DB	\$AD,\$FF,\$02,\$D0,\$FB,\$A2,\$02,\$B5,\$54,\$95,\$5A,\$CA,\$10,\$F9,\$AD,\$FB
5BF0	02A82A2A2A	DB	\$02,\$A8,\$2A,\$2A,\$2A,\$2A,\$29,\$03,\$AA,\$98,\$29,\$9F,\$1D,\$F6,\$FE,\$8D
5C00	FA022047F9	DB	\$FA,\$02,\$20,\$47,\$F9,\$AD,\$FA,\$02,\$46,\$6F,\$B0,\$04,\$0A,\$4C,\$08,\$F6
5C10	2DA0028550	DB	\$2D,\$A0,\$02,\$85,\$50,\$AD,\$A0,\$02,\$49,\$FF,\$31,\$64,\$05,\$50,\$91,\$64
5C20	6020A2F585	DB	\$60,\$20,\$A2,\$F5,\$85,\$5D,\$A6,\$57,\$D0,\$0A,\$AE,\$F0,\$02,\$D0,\$05,\$49
5C30	8020FFF5A4	DB	\$80,\$20,\$FF,\$F5,\$A4,\$4C,\$A9,\$01,\$85,\$4C,\$AD,\$FB,\$02,\$60,\$20,\$B3
5C40	FC2088FAA5	DB	\$FC,\$20,\$88,\$FA,\$A5,\$6B,\$D0,\$34,\$A5,\$54,\$85,\$6C,\$A5,\$55,\$85,\$6D
5C50	20E2F6844C	DB	\$20,\$E2,\$F6,\$84,\$4C,\$AD,\$FB,\$02,\$C9,\$9B,\$F0,\$12,\$20,\$AD,\$F6,\$20
5C60	B3FCA563C9	DB	\$B3,\$FC,\$A5,\$63,\$C9,\$71,\$D0,\$03,\$20,\$0A,\$F9,\$4C,\$50,\$F6,\$20,\$E4
5C70	FA2000FCA5	DB	\$FA,\$20,\$00,\$FC,\$A5,\$6C,\$85,\$54,\$A5,\$6D,\$85,\$55,\$A5,\$6B,\$F0,\$11
5C80	C66BF00DA5	DB	\$C6,\$6B,\$F0,\$0D,\$A5,\$4C,\$30,\$F8,\$20,\$93,\$F5,\$8D,\$FB,\$02,\$4C,\$B3
5C90	FC2030FAA9	DB	\$FC,\$20,\$30,\$FA,\$A9,\$9B,\$8D,\$FB,\$02,\$20,\$21,\$F6,\$84,\$4C,\$4C,\$B3
5CA0	FC6C64008D	DB	\$FC,\$6C,\$64,\$00,\$8D,\$FB,\$02,\$20,\$B3,\$FC,\$20,\$88,\$FA,\$20,\$E4,\$FA
5CB0	208DFCF009	DB	\$20,\$8D,\$FC,\$F0,\$09,\$0E,\$A2,\$02,\$20,\$CA,\$F5,\$4C,\$B3,\$FC,\$AD,\$FE
5CC0	020DA202D0	DB	\$02,\$0D,\$A2,\$02,\$D0,\$EF,\$0E,\$A2,\$02,\$E8,\$BD,\$C6,\$FE,\$85,\$64,\$BD
5CD0	C7FE856520	DB	\$C7,\$FE,\$85,\$65,\$20,\$A1,\$F6,\$20,\$21,\$F6,\$4C,\$B3,\$FC,\$A9,\$FF,\$8D
5CE0	FC02A52A4A	DB	\$FC,\$02,\$A5,\$2A,\$4A,\$B0,\$62,\$A9,\$80,\$A6,\$11,\$F0,\$58,\$AD,\$FC,\$02
5CF0	C9FFF0EE85	DB	\$C9,\$FF,\$F0,\$EE,\$85,\$7C,\$A2,\$FF,\$8E,\$FC,\$02,\$20,\$D8,\$FC,\$AA,\$E0
5D00	C09002A203	DB	\$C0,\$90,\$02,\$A2,\$03,\$BD,\$FE,\$FE,\$8D,\$FB,\$02,\$C9,\$80,\$F0,\$CE,\$C9
5D10	81D00BADB6	DB	\$81,\$D0,\$0B,\$AD,\$B6,\$02,\$49,\$80,\$8D,\$B6,\$02,\$4C,\$DD,\$F6,\$C9,\$82
5D20	D007A9008D	DB	\$D0,\$07,\$A9,\$00,\$8D,\$BE,\$02,\$F0,\$B4,\$C9,\$83,\$D0,\$07,\$A9,\$40,\$8D
5D30	BE02D0A9C9	DB	\$BE,\$02,\$D0,\$A9,\$C9,\$84,\$D0,\$07,\$A9,\$80,\$8D,\$BE,\$02,\$D0,\$9E,\$C9
5D40	85D00AA988	DB	\$85,\$D0,\$0A,\$A9,\$88,\$85,\$4C,\$85,\$11,\$A9,\$9B,\$D0,\$26,\$A5,\$7C,\$C9
5D50	40B015ADFB	DB	\$40,\$B0,\$15,\$AD,\$FB,\$02,\$C9,\$61,\$90,\$0E,\$C9,\$7B,\$B0,\$0A,\$AD,\$BE
5D60	02F005057C	DB	\$02,\$F0,\$05,\$05,\$7C,\$4C,\$FE,\$F6,\$20,\$8D,\$FC,\$F0,\$09,\$AD,\$FB,\$02
5D70	4DB6028DFB	DB	\$4D,\$B6,\$02,\$8D,\$FB,\$02,\$4C,\$34,\$F6,\$A9,\$80,\$8D,\$A2,\$02,\$60,\$C6
5D80	541006AEBF	DB	\$54,\$10,\$06,\$AE,\$BF,\$02,\$CA,\$86,\$54,\$4C,\$5C,\$FC,\$E6,\$54,\$A5,\$54
5D90	CDBF0290F4	DB	\$CD,\$BF,\$02,\$90,\$F4,\$A2,\$00,\$F0,\$EE,\$C6,\$55,\$A5,\$55,\$30,\$04,\$C5
5DA0	52B004A553	DB	\$52,\$B0,\$04,\$A5,\$53,\$85,\$55,\$4C,\$DD,\$FB,\$E6,\$55,\$A5,\$55,\$C5,\$53
5DB0	90F5F0F3A5	DB	\$90,\$F5,\$F0,\$F3,\$A5,\$52,\$4C,\$A5,\$F7,\$20,\$F3,\$FC,\$A0,\$00,\$98,\$91
5DC0	64C8D0FBE6	DB	\$64,\$C8,\$D0,\$FB,\$E6,\$65,\$A6,\$65,\$E4,\$6A,\$90,\$F3,\$A9,\$FF,\$99,\$B2
5DD0	02C8C00490	DB	\$02,\$C8,\$C0,\$04,\$90,\$F8,\$20,\$E4,\$FC,\$85,\$63,\$85,\$6D,\$A9,\$00,\$85
5DE0	548556856C	DB	\$54,\$85,\$56,\$85,\$6C,\$60,\$A5,\$63,\$C5,\$52,\$F0,\$21,\$A5,\$55,\$C5,\$52
5DF0	D0032073FC	DB	\$D0,\$03,\$20,\$73,\$FC,\$20,\$99,\$F7,\$A5,\$55,\$C5,\$53,\$D0,\$07,\$A5,\$54
5E00	F003207FF7	DB	\$F0,\$03,\$20,\$7F,\$F7,\$A9,\$20,\$8D,\$FB,\$02,\$20,\$E0,\$F5,\$4C,\$DD,\$FB

5E10	20AAF7A555	DB	\$20,\$AA,\$F7,\$A5,\$55,\$C5,\$52,\$D0,\$0A,\$20,\$34,\$FA,\$20,\$20,\$FB,\$90
5E20	02B007A563	DB	\$02,\$B0,\$07,\$A5,\$63,\$20,\$25,\$FB,\$90,\$E6,\$4C,\$DD,\$FB,\$A5,\$63,\$4C
5E30	06FBA5634C	DB	\$06,\$FB,\$A5,\$63,\$4C,\$12,\$FB,\$20,\$9D,\$FC,\$20,\$A2,\$F5,\$85,\$7D,\$A9
5E40	008DBB0220	DB	\$00,\$8D,\$BB,\$02,\$20,\$FF,\$F5,\$A5,\$63,\$48,\$20,\$DC,\$F9,\$68,\$C5,\$63
5E50	B00CA57D48	DB	\$B0,\$0C,\$A5,\$7D,\$48,\$20,\$A2,\$F5,\$85,\$7D,\$68,\$4C,\$44,\$F8,\$20,\$A8
5E60	FCCEBB0230	DB	\$FC,\$CE,\$BB,\$02,\$30,\$04,\$C6,\$54,\$D0,\$F7,\$4C,\$DD,\$FB,\$20,\$9D,\$FC
5E70	2047F9A564	DB	\$20,\$47,\$F9,\$A5,\$64,\$85,\$68,\$A5,\$65,\$85,\$69,\$A5,\$63,\$48,\$20,\$D4
5E80	F968C563B0	DB	\$F9,\$68,\$C5,\$63,\$B0,\$10,\$A5,\$54,\$CD,\$BF,\$02,\$B0,\$09,\$20,\$A2,\$F5
5E90	A0009168F0	DB	\$A0,\$00,\$91,\$68,\$F0,\$DA,\$A0,\$00,\$98,\$91,\$68,\$20,\$68,\$FC,\$20,\$A8
5EA0	FC4CDDFB38	DB	\$FC,\$4C,\$DD,\$FB,\$38,\$20,\$7B,\$FB,\$A5,\$52,\$85,\$55,\$20,\$47,\$F9,\$A5
5EB0	6485681869	DB	\$64,\$85,\$68,\$18,\$69,\$28,\$85,\$66,\$A5,\$65,\$85,\$69,\$69,\$00,\$85,\$67
5EC0	A654E017F0	DB	\$A6,\$54,\$E0,\$17,\$F0,\$08,\$20,\$4E,\$FB,\$E8,\$E0,\$17,\$D0,\$F8,\$20,\$9B
5ED0	FB4CDDFB20	DB	\$FB,\$4C,\$DD,\$FB,\$20,\$DD,\$FB,\$A4,\$51,\$84,\$54,\$A4,\$54,\$98,\$38,\$20
5EE0	23FB089818	DB	\$23,\$FB,\$08,\$98,\$18,\$69,\$78,\$28,\$20,\$04,\$FB,\$C8,\$C0,\$18,\$D0,\$ED
5EF0	ADB4020901	DB	\$AD,\$B4,\$02,\$09,\$01,\$8D,\$B4,\$02,\$A5,\$52,\$85,\$55,\$20,\$47,\$F9,\$20
5F00	B7FB2020FB	DB	\$B7,\$FB,\$20,\$20,\$FB,\$90,\$D4,\$4C,\$DD,\$FB,\$A0,\$20,\$D8,\$FC,\$88
5F10	10FA60A902	DB	\$10,\$FA,\$60,\$A9,\$02,\$D0,\$0A,\$A4,\$4C,\$30,\$2B,\$A0,\$00,\$91,\$64,\$A9
5F20	018D9E02A5	DB	\$01,\$8D,\$9E,\$02,\$A5,\$4C,\$30,\$1E,\$A5,\$64,\$38,\$ED,\$9E,\$02,\$85,\$64
5F30	B002C665A5	DB	\$B0,\$02,\$C6,\$65,\$A5,\$0F,\$C5,\$65,\$90,\$0C,\$D0,\$06,\$A5,\$0E,\$C5,\$64
5F40	9004A99385	DB	\$90,\$04,\$A9,\$93,\$85,\$4C,\$60,\$A5,\$54,\$48,\$A5,\$55,\$48,\$A5,\$56,\$48
5F50	20F3FCA554	DB	\$20,\$F3,\$FC,\$A5,\$54,\$85,\$66,\$A9,\$00,\$85,\$67,\$A5,\$66,\$0A,\$26,\$67
5F60	8551A4678C	DB	\$85,\$51,\$A4,\$67,\$8C,\$9F,\$02,\$0A,\$26,\$67,\$0A,\$26,\$67,\$18,\$65,\$51
5F70	8566A5676D	DB	\$85,\$66,\$A5,\$67,\$6D,\$9F,\$02,\$85,\$67,\$A6,\$57,\$BC,\$81,\$FE,\$88,\$30
5F80	0706662667	DB	\$07,\$06,\$66,\$26,\$67,\$4C,\$7E,\$F9,\$BC,\$A5,\$FE,\$A5,\$55,\$A2,\$07,\$88
5F90	300ACA4656	DB	\$30,\$0A,\$CA,\$46,\$56,\$6A,\$6E,\$A1,\$02,\$4C,\$8F,\$F9,\$C8,\$18,\$65,\$66
5FA0	85669002E6	DB	\$85,\$66,\$90,\$02,\$E6,\$67,\$38,\$6E,\$A1,\$02,\$18,\$CA,\$10,\$F9,\$AE,\$A1
5FB0	02A5661865	DB	\$02,\$A5,\$66,\$18,\$65,\$64,\$85,\$64,\$85,\$5E,\$A5,\$67,\$65,\$65,\$85,\$65
5FC0	855FBDB1FE	DB	\$85,\$5F,\$BD,\$B1,\$FE,\$8D,\$A0,\$02,\$85,\$6F,\$68,\$85,\$56,\$68,\$85,\$55
5FD0	68855460A9	DB	\$68,\$85,\$54,\$60,\$A9,\$00,\$F0,\$02,\$A9,\$9B,\$85,\$67,\$E6,\$63,\$E6,\$55
5FE0	D002E656A5	DB	\$D0,\$02,\$E6,\$56,\$A5,\$55,\$A6,\$57,\$DD,\$8D,\$FE,\$F0,\$0B,\$E0,\$00,\$D0
5FF0	06C553F002	DB	\$06,\$C5,\$53,\$F0,\$02,\$B0,\$01,\$60,\$E0,\$08,\$90,\$04,\$A5,\$56,\$F0,\$F7
6000	A557D030A5	DB	\$A5,\$57,\$D0,\$30,\$A5,\$63,\$C9,\$51,\$90,\$0A,\$A5,\$7D,\$F0,\$26,\$20,\$30
6010	F44C77FA20	DB	\$FA,\$4C,\$77,\$FA,\$20,\$34,\$FA,\$A5,\$54,\$18,\$69,\$78,\$20,\$25,\$FB,\$90
6020	08A57DF004	DB	\$08,\$A5,\$7D,\$F0,\$04,\$18,\$20,\$A5,\$F8,\$4C,\$DD,\$FB,\$A9,\$00,\$F0,\$02
6030	A99B857D20	DB	\$A9,\$9B,\$85,\$7D,\$20,\$E4,\$FC,\$A9,\$00,\$85,\$56,\$E6,\$54,\$A6,\$57,\$A0
6040	18247B1005	DB	\$18,\$24,\$7B,\$10,\$05,\$A0,\$04,\$98,\$D0,\$03,\$BD,\$99,\$FE,\$C5,\$54,\$D0
6050	268C9D028A	DB	\$26,\$8C,\$9D,\$02,\$8A,\$D0,\$20,\$A5,\$7D,\$F0,\$1C,\$C9,\$9B,\$38,\$F0,\$01
6060	1820ACFBEE	DB	\$18,\$20,\$AC,\$FB,\$EE,\$BB,\$02,\$C6,\$6C,\$CE,\$9D,\$02,\$AD,\$B2,\$02,\$38
6070	10EFAD9D02	DB	\$10,\$EF,\$AD,\$9D,\$02,\$85,\$54,\$4C,\$DD,\$FB,\$38,\$B5,\$70,\$E5,\$74,\$95
6080	70B571E575	DB	\$70,\$B5,\$71,\$E5,\$75,\$95,\$71,\$60,\$AD,\$BF,\$02,\$C9,\$04,\$F0,\$07,\$A5
6090	57F00320FC	DB	\$57,\$F0,\$03,\$20,\$FC,\$F3,\$A9,\$27,\$C5,\$53,\$B0,\$02,\$85,\$53,\$A6,\$57
60A0	BD99FEC554	DB	\$BD,\$99,\$FE,\$C5,\$54,\$90,\$2A,\$F0,\$28,\$E0,\$08,\$D0,\$0A,\$A5,\$56,\$F0
60B0	13C901D01C	DB	\$13,\$C9,\$01,\$D0,\$1C,\$F0,\$04,\$A5,\$56,\$D0,\$16,\$BD,\$8D,\$FE,\$C5,\$55
60C0	900FF00DA9	DB	\$90,\$0F,\$F0,\$0D,\$A9,\$01,\$85,\$4C,\$A9,\$80,\$A6,\$11,\$85,\$11,\$F0,\$06
60D0	6020D6F7A9	DB	\$60,\$20,\$D6,\$F7,\$A9,\$8D,\$85,\$4C,\$68,\$68,\$A5,\$7B,\$10,\$03,\$20,\$B9
60E0	FC4C34F6A0	DB	\$FC,\$4C,\$34,\$F6,\$A0,\$00,\$A5,\$5D,\$91,\$5E,\$60,\$48,\$29,\$07,\$AA,\$BD
60F0	B9FE856E68	DB	\$B9,\$FE,\$85,\$6E,\$68,\$4A,\$4A,\$4A,\$AA,\$60,\$2E,\$84,\$02,\$2E,\$B3,\$02
6100	2EB2026090	DB	\$2E,\$B2,\$02,\$60,\$90,\$0C,\$20,\$EB,\$FA,\$BD,\$A3,\$02,\$05,\$6E,\$9D,\$A3
6110	026020EBFA	DB	\$02,\$60,\$20,\$EB,\$FA,\$A5,\$6E,\$49,\$FF,\$3D,\$A3,\$02,\$9D,\$A3,\$02,\$60
6120	A554186978	DB	\$A5,\$54,\$18,\$69,\$78,\$20,\$EB,\$FA,\$18,\$BD,\$A3,\$02,\$25,\$6E,\$F0,\$01
6130	3860ADFA02	DB	\$38,\$60,\$AD,\$FA,\$02,\$A4,\$57,\$C0,\$03,\$B0,\$0F,\$2A,\$2A,\$2A,\$2A,\$29
6140	03AAADF0A2	DB	\$03,\$AA,\$AD,\$FA,\$02,\$29,\$9F,\$1D,\$FA,\$FE,\$8D,\$FB,\$02,\$60,\$A9,\$02
6150	8565A94785	DB	\$85,\$65,\$A9,\$47,\$85,\$64,\$A0,\$27,\$B1,\$66,\$85,\$50,\$B1,\$68,\$91,\$66
6160	A550916488	DB	\$A5,\$50,\$91,\$64,\$88,\$10,\$F1,\$A5,\$65,\$85,\$69,\$A5,\$64,\$85,\$68,\$18
6170	A566692885	DB	\$A5,\$66,\$69,\$28,\$85,\$66,\$90,\$02,\$E6,\$67,\$60,\$08,\$A0,\$17,\$98,\$20
6180	22FB089818	DB	\$22,\$FB,\$08,\$98,\$18,\$69,\$79,\$28,\$20,\$04,\$FB,\$88,\$30,\$04,\$C4,\$54
6190	B0ECA55418	DB	\$B0,\$EC,\$A5,\$54,\$18,\$69,\$78,\$28,\$4C,\$04,\$FB,\$A5,\$52,\$85,\$55,\$20

61A0	47F9A027A9	DB	\$47,\$F9,\$A0,\$27,\$A9,\$00,\$91,\$64,\$88,\$10,\$FB,\$60,\$20,\$FA,\$FA,\$A5
61B0	588564A559	DB	\$58,\$85,\$64,\$A5,\$59,\$85,\$65,\$A0,\$28,\$B1,\$64,\$A6,\$6A,\$CA,\$E4,\$65
61C0	D008A2D7E4	DB	\$D0,\$08,\$A2,\$D7,\$E4,\$64,\$B0,\$02,\$A9,\$00,\$A0,\$00,\$91,\$64,\$E6,\$64
61D0	D0E5E665A5	DB	\$D0,\$E5,\$E6,\$65,\$A5,\$65,\$C5,\$6A,\$D0,\$DD,\$4C,\$DD,\$FB,\$A9,\$00,\$85
61E0	63A5548551	DB	\$63,\$A5,\$54,\$85,\$51,\$A5,\$51,\$20,\$22,\$FB,\$B0,\$0C,\$A5,\$63,\$18,\$69
61F0	288563C651	DB	\$28,\$85,\$63,\$C6,\$51,\$4C,\$E5,\$FB,\$18,\$A5,\$63,\$65,\$55,\$85,\$63,\$60
6200	209DFCA563	DB	\$20,\$9D,\$FC,\$A5,\$63,\$48,\$A5,\$6C,\$85,\$54,\$A5,\$6D,\$85,\$55,\$A9,\$01
6210	856BA217A5	DB	\$85,\$6B,\$A2,\$17,\$A5,\$7B,\$10,\$02,\$A2,\$03,\$E4,\$54,\$D0,\$0B,\$A5,\$55
6220	C553D005E6	DB	\$C5,\$53,\$D0,\$05,\$E6,\$6B,\$4C,\$39,\$FC,\$20,\$D4,\$F9,\$E6,\$6B,\$A5,\$63
6230	C552D0DEC6	DB	\$C5,\$52,\$D0,\$DE,\$C6,\$54,\$20,\$99,\$F7,\$20,\$A2,\$F5,\$D0,\$17,\$C6,\$6B
6240	A563C552F0	DB	\$A5,\$63,\$C5,\$52,\$F0,\$0F,\$20,\$99,\$F7,\$A5,\$55,\$C5,\$53,\$D0,\$02,\$C6
6250	54A56BD0E4	DB	\$54,\$A5,\$6B,\$D0,\$E4,\$68,\$85,\$63,\$20,\$A8,\$FC,\$60,\$20,\$DD,\$FB,\$A5
6260	51856CA552	DB	\$51,\$85,\$6C,\$A5,\$52,\$85,\$6D,\$60,\$A5,\$63,\$C5,\$52,\$D0,\$17,\$C6,\$54
6270	20DDFBA563	DB	\$20,\$DD,\$FB,\$A5,\$63,\$C5,\$52,\$F0,\$13,\$20,\$47,\$F9,\$A5,\$53,\$38,\$E5
6280	52A8B164D0	DB	\$52,\$A8,\$B1,\$64,\$D0,\$06,\$88,\$10,\$F9,\$4C,\$DB,\$F8,\$60,\$A2,\$2D,\$BD
6290	C6FECDFB02	DB	\$C6,\$FE,\$CD,\$FB,\$02,\$F0,\$05,\$CA,\$CA,\$CA,\$10,\$F3,\$60,\$A2,\$02,\$5B
62A0	549DB802CA	DB	\$54,\$9D,\$B8,\$02,\$CA,\$10,\$F8,\$60,\$A2,\$02,\$BD,\$B8,\$02,\$95,\$54,\$CA
62B0	10F86020B9	DB	\$10,\$F8,\$60,\$20,\$B9,\$FC,\$4C,\$34,\$F6,\$AD,\$BF,\$02,\$C9,\$18,\$F0,\$17
62C0	A20BB55448	DB	\$A2,\$0B,\$B5,\$54,\$48,\$BD,\$90,\$02,\$95,\$54,\$68,\$9D,\$90,\$02,\$CA,\$F9
62D0	F1A57B49FF	DB	\$F1,\$A5,\$7B,\$49,\$FF,\$85,\$7B,\$60,\$A2,\$7F,\$8E,\$1F,\$D0,\$8E,\$0A,\$D0
62E0	CA10F760A9	DB	\$CA,\$10,\$F7,\$60,\$A9,\$00,\$A6,\$7B,\$D0,\$04,\$A6,\$57,\$D0,\$02,\$A5,\$52
62F0	855560A558	DB	\$85,\$55,\$60,\$A5,\$58,\$85,\$64,\$A5,\$59,\$85,\$65,\$60,\$A2,\$00,\$A5,\$22
6300	C911F008C9	DB	\$C9,\$11,\$F0,\$08,\$C9,\$12,\$F0,\$03,\$A0,\$84,\$60,\$E8,\$65,\$B7,\$85,\$A5
6310	548560A555	DB	\$54,\$85,\$60,\$A5,\$55,\$85,\$61,\$A5,\$56,\$85,\$62,\$A9,\$01,\$85,\$79,\$85
6320	7A38A560E5	DB	\$7A,\$38,\$A5,\$60,\$E5,\$5A,\$85,\$76,\$B0,\$0D,\$A9,\$FF,\$85,\$79,\$A5,\$76
6330	49FF186901	DB	\$49,\$FF,\$18,\$69,\$01,\$85,\$76,\$38,\$A5,\$61,\$E5,\$5B,\$85,\$77,\$A5,\$62
6340	E55C8578B0	DB	\$E5,\$5C,\$85,\$78,\$B0,\$16,\$A9,\$FF,\$85,\$7A,\$A5,\$77,\$49,\$FF,\$85,\$77
6350	A57849FF85	DB	\$A5,\$78,\$49,\$FF,\$85,\$78,\$E6,\$77,\$D0,\$02,\$E6,\$78,\$A2,\$02,\$A0,\$00
6360	8473989570	DB	\$84,\$73,\$98,\$95,\$70,\$B5,\$5A,\$95,\$54,\$CA,\$10,\$F6,\$A5,\$77,\$E8,\$A8
6370	A578857F85	DB	\$A5,\$78,\$85,\$7F,\$85,\$75,\$D0,\$0B,\$A5,\$77,\$C5,\$76,\$B0,\$05,\$A5,\$76
6380	A202A89885	DB	\$A2,\$02,\$A8,\$98,\$85,\$7E,\$85,\$74,\$48,\$A5,\$75,\$4A,\$68,\$6A,\$95,\$70
6390	A57E057FD0	DB	\$A5,\$7E,\$05,\$7F,\$D0,\$03,\$4C,\$42,\$FE,\$18,\$A5,\$70,\$65,\$76,\$85,\$70
63A0	9002E671A5	DB	\$90,\$02,\$E6,\$71,\$A5,\$71,\$C5,\$75,\$90,\$14,\$D0,\$06,\$A5,\$70,\$C5,\$74
63B0	900C18A554	DB	\$90,\$0C,\$18,\$A5,\$54,\$65,\$79,\$85,\$54,\$A2,\$00,\$20,\$7A,\$FA,\$18,\$A5
63C0	7265778572	DB	\$72,\$65,\$77,\$85,\$72,\$A5,\$73,\$65,\$78,\$85,\$73,\$C5,\$75,\$90,\$27,\$D0
63D0	06A572C574	DB	\$06,\$A5,\$72,\$C5,\$74,\$90,\$1F,\$24,\$7A,\$10,\$10,\$C6,\$55,\$A5,\$55,\$C9
63E0	FFD00EA556	DB	\$FF,\$D0,\$0E,\$A5,\$56,\$F0,\$0A,\$C6,\$56,\$10,\$06,\$E6,\$55,\$D0,\$02,\$E6
63F0	56A202207A	DB	\$56,\$A2,\$02,\$20,\$7A,\$FA,\$20,\$96,\$FA,\$20,\$E0,\$F5,\$AD,\$B7,\$02,\$F0
6400	2F209DFCAD	DB	\$2F,\$20,\$9D,\$FC,\$AD,\$FB,\$02,\$8D,\$BC,\$02,\$A5,\$54,\$48,\$20,\$DC,\$F9
6410	6885542096	DB	\$68,\$85,\$54,\$20,\$96,\$FA,\$20,\$A2,\$F5,\$D0,\$0C,\$AD,\$FD,\$02,\$8D,\$FB
6420	0220E0F54C	DB	\$02,\$20,\$E0,\$F5,\$4C,\$0A,\$FE,\$AD,\$BC,\$02,\$8D,\$FB,\$02,\$20,\$A8,\$FC
6430	38A57EE901	DB	\$38,\$A5,\$7E,\$E9,\$01,\$85,\$7E,\$A5,\$7F,\$E9,\$00,\$85,\$7F,\$30,\$03,\$4C
6440	90FD4C34F6	DB	\$90,\$FD,\$4C,\$34,\$F6,\$18,\$10,\$0A,\$0A,\$10,\$1C,\$34,\$64,\$C4,\$C4,\$C4
6450	C417170B17	DB	\$C4,\$17,\$17,\$0B,\$17,\$2F,\$2F,\$5F,\$5F,\$61,\$61,\$61,\$61,\$13,\$13,\$09
6460	1327274F4F	DB	\$13,\$27,\$27,\$4F,\$4F,\$41,\$41,\$41,\$41,\$02,\$06,\$07,\$08,\$09,\$0A,\$0B
6470	0D0F0F0F0F	DB	\$0D,\$0F,\$0F,\$0F,\$0F,\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$01,\$01,\$01,\$01
6480	0102010100	DB	\$01,\$02,\$01,\$01,\$00,\$00,\$01,\$01,\$01,\$02,\$02,\$02,\$02,\$14,\$14,\$14
6490	285050A0A0	DB	\$28,\$50,\$50,\$A0,\$A0,\$40,\$50,\$50,\$50,\$18,\$18,\$0C,\$18,\$30,\$30,\$60
64A0	60C0C0C0C0	DB	\$60,\$C0,\$C0,\$C0,\$C0,\$00,\$00,\$00,\$02,\$03,\$02,\$03,\$02,\$03,\$01,\$01
64B0	0100FFF00F	DB	\$01,\$00,\$FF,\$F0,\$0F,\$C0,\$30,\$0C,\$03,\$80,\$40,\$20,\$10,\$08,\$04,\$02
64C0	0128CA9446	DB	\$01,\$28,\$CA,\$94,\$46,\$00,\$1B,\$79,\$F7,\$1C,\$7F,\$F7,\$1D,\$8C,\$F7,\$1E
64D0	99F71FAAF7	DB	\$99,\$F7,\$1F,\$AA,\$F7,\$7D,\$B9,\$F7,\$7E,\$E6,\$F7,\$7F,\$10,\$F8,\$9B,\$30
64E0	FA9CD4F89D	DB	\$FA,\$9C,\$D4,\$F8,\$9D,\$A4,\$F8,\$9E,\$32,\$F8,\$9F,\$2D,\$F8,\$FD,\$0A,\$F9
64F0	FE6DF8FF37	DB	\$FE,\$6D,\$F8,\$FF,\$37,\$F8,\$40,\$00,\$20,\$60,\$20,\$40,\$00,\$60,\$6C,\$6A
6500	3B80806B2B	DB	\$3B,\$80,\$80,\$6B,\$2B,\$2A,\$6F,\$80,\$70,\$75,\$9B,\$69,\$2D,\$3D,\$76,\$80
6510	6380806278	DB	\$63,\$80,\$80,\$62,\$78,\$7A,\$34,\$80,\$33,\$36,\$1B,\$35,\$32,\$31,\$2C,\$20
6520	2E6E806D2F	DB	\$2E,\$6E,\$80,\$6D,\$2F,\$81,\$72,\$80,\$65,\$79,\$7F,\$74,\$77,\$71,\$39,\$80

6530	30377E383C	DB	\$30,\$37,\$7E,\$38,\$3C,\$3E,\$66,\$68,\$64,\$80,\$82,\$67,\$73,\$61,\$4C,\$4A
6540	3A80804B5C	DB	\$3A,\$80,\$80,\$4B,\$5C,\$5E,\$4F,\$80,\$50,\$55,\$9B,\$49,\$5F,\$7C,\$56,\$80
6550	4380804258	DB	\$43,\$80,\$80,\$42,\$58,\$5A,\$24,\$80,\$23,\$26,\$1B,\$25,\$22,\$21,\$5B,\$20
6560	5D4E804D3F	DB	\$5D,\$4E,\$80,\$4D,\$3F,\$81,\$52,\$80,\$45,\$59,\$9F,\$54,\$57,\$51,\$28,\$80
6570	29279C407D	DB	\$29,\$27,\$9C,\$40,\$7D,\$9D,\$46,\$48,\$44,\$80,\$83,\$47,\$53,\$41,\$0C,\$0A
6580	7B80800B1E	DB	\$7B,\$80,\$80,\$0B,\$1E,\$1F,\$0F,\$80,\$10,\$15,\$9B,\$09,\$1C,\$1D,\$16,\$80
6590	0380800218	DB	\$03,\$80,\$80,\$02,\$18,\$1A,\$80,\$80,\$85,\$80,\$1B,\$80,\$FD,\$80,\$00,\$20
65A0	600E800D80	DB	\$60,\$0E,\$80,\$0D,\$80,\$81,\$12,\$80,\$05,\$19,\$9E,\$14,\$17,\$11,\$80,\$80
65B0	8080FE807D	DB	\$80,\$80,\$FE,\$80,\$7D,\$FF,\$06,\$08,\$04,\$80,\$84,\$07,\$13,\$01,\$AD,\$09
65C0	D2CDF202D0	DB	\$D2,\$CD,\$F2,\$02,\$D0,\$05,\$AD,\$F1,\$02,\$D0,\$20,\$AD,\$09,\$D2,\$C9,\$9F
65D0	D00AADFF02	DB	\$D0,\$0A,\$AD,\$FF,\$02,\$49,\$FF,\$8D,\$FF,\$02,\$B0,\$0F,\$8D,\$FC,\$02,\$8D
65E0	F202A9038D	DB	\$F2,\$02,\$A9,\$03,\$8D,\$F1,\$02,\$A9,\$00,\$85,\$4D,\$A9,\$30,\$8D,\$2B,\$02
65F0	6840FFFFFF	DB	\$68,\$40,\$FF,\$FF,\$FF,\$FF,\$FF,\$FF,\$FF,\$F3,\$E6,\$91,\$E7,\$25,\$F1,\$F3,\$E6

6600 RAMEND
 6600 END RAMLOAD

no ERRORS, 145 Labels, \$83C5 free.

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?Q0003 3C6C
?Q0004 3C95
?Q0005 3CBE
?Q0006 CF38
?X0007 CF78
?X0008 CF98
?X0009 CFB5
?Y0007 CF85
?Y0008 CFA5
?Y0009 CFC2
?Z0003 3C59
?Z0004 3C82
?Z0005 3CAB
?Z0006 CF25
ABORT 0749      3#53      4/11
ALIGN mac      2#52      20/15      41/19      44/56
ALTSCR 0803     4/30      4/32      6# 7
BOOTS0 3B46     3/15      39#12
s CARTCK 03EB   42/37     43/50
CARTIN 3B28     38#45     38/47      41/29
s CHACT 02F3    40/37     40/45
s CIOV  E456    3/43      5/13
COLDIN CF6B     43/12     44#34
s COLDSV E477   5/27      42/49
COLOR  1002     7#17      39/28
s COLOR2 02C6   3/22      39/30
s COLOR4 02C8   3/23      39/29
s CONSOL D01F   41/37     41/38
s COUNT  0084   42/ 9     42/ 9      42/10      42/10      42/11      42/11      43/47      43/47
n CPYRT  CFC5   44#45
CRTLEN 0012     38#47     41/27
s DAUX1  030A   4/31      4/41      5/43      39/53
s DAUX2  030B   4/21      5/45
s DBUF   0304   4/23      4/25      4/37      4/39      5/37      5/39      5/40      5/42      39/49      39/51
s DCOMND 0302   5/30
s DEST   0080   42/ 9     42/ 9      42/ 9      42/ 9      42/10     42/10     42/10     42/10     42/11     42/11     42/11
42/11  43/47
DLI     3BF0     39/23     39/25     40#53
DLINK1 1065     7/16      7#33
DLINK2 1045     20/20     20#31
DLIOUT 3BFA     40/55     40#58
s DLJ   0086     40/20     40/23     41/20     41/22
DLJMP  1000     7#16      41/19     41/21
DLST1  0807     3/24      3/26      6#10      6/14
DLST2  1003     7#19      28/27     38/13     39/18     39/20
n DLST3 1003     20#23
s DMACTL D400   39/13     41/44
s DOSINI 000C   44/34     44/34     44/34     44/34     44/39     44/39     44/39     44/39     44/42     44/42     44/42
44/42
    
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	DSCAN1	CF88	43/ 8	44#37																		
	DSCAN2	CFA8	43/ 9	44#42																		
s	DSKINV	E453	5/33																			
s	DUNIT	0301	5/32																			
	ERR1	081C	3/50	3/52	6#17																	
	ERR2	087A	4/ 8	4/10	6#22																	
	ESCR1	1DFF	6/ 7	19#49																		
	ESCR2	2617	6/ 8	27#39																		
	ESCR3	3BFC	4/42	40#60																		
	GETBAD	07D3	5#27	5/34																		
	GETNXT	07FE	5/44	5#47																		
	GETSEC	07D6	4/34	4/44	5#29	5/48	39/56															
s	GINTLK	03FA	42/35	43/48																		
s	GPRIOR	026F	39/33																			
	HUNG	074F	3#56	3/56																		
s	ICBA	0344	3/51	3/53	4/ 9	4/15	4/17	5/15	5/17	5/18	5/20											
s	ICBL	0348	3/38	3/39	5/ 9	5/12	5/16															
s	ICCMD	0342	3/41	5/ 7																		
s	IRQEN	D20E	41/46	44/37																		
	LINER	07AA	3/55	4/18	5# 6																	
	LINER1	07B4	5#11	5/22																		
s	LMARGN	0052	3/30	43/59																		
s	MLCNT	0088	3/46	4/33	4/43	5/21	5/47	39/55														
s	NMIEN	D40E	39/15	39/41	41/45																	
	NOCART	3C15	41#29	41/31																		
s	OFFTIM	FFEB	40/38																			
	OKMSG	08DC	4/14	4/16	6#27																	
s	ONTIME	FF9B	40/46																			
	ONWARD	0762	4/ 7	4#14																		
s	OS800	00A2	3/48																			
	OSOBJ	3E00	42/ 9	42/ 9	46# 5																	
s	OSTYPE	FCD8	3/47																			
	PATCH	mac	2#24	42/ 9	42/10	42/11	43/47															
n	PATCLD	3CE8	43#12																			
n	PATIRQ	3CDC	43# 8																			
n	PATNMI	3CDF	43# 9																			
n	PATROJ	3CE2	43#10																			
	PATSIZ	3CE5	42/11	42/11	43#11																	
	PC0COD	3CEB	42/10	42/10	43#21	44/50																
	PC0LEN	00F1	42/10	42/10	44#50																	
	PHASE1	08FB	3/13	6#29																		
s	PORTB	D301	41/49	41/51	43/31	43/33																
s	PRIOR	D01B	40/57																			
s	PUPBT1	033D	42/41	43/54																		
s	PUTCHR	000B	3/40																			
s	PUTREC	0009	5/ 6																			
	RAMCHK	0752	3/49	4# 5																		
	RAMEND	6600	39/54	58# 5																		
s	RAMLIN	0160	43/47	43/47	44/34	44/34	44/34	44/34	44/39	44/39	44/39	44/39	44/42									
44/42		44/42																				
			44/42																			
s	RAMLOA	0700	3/11	3/13	3/14	4/40	6/ 7	6/ 8	39/52	58/ 6												
s	RAMSCA	CF00	42/10	42/10	43/22																	
s	RAMSIZ	02E4	4/ 5	41/24																		
s	RANDOM	D20A	4/27																			
	RECON	3CD0	42#41	42/44																		
	RESET	0000	2#57	42/12																		
	REWARM	CF46	43#53	43/56																		

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s  RTCLOK 0012    39/44    39/45
s  SAVMSC 0058    3/31     3/33
   SCRMEM 0813    3/32     3/34    6#12
s  SDLST  0230    3/25     3/27    39/19    39/21
s  SDMCTL 022F    39/14    39/43    41/43
   SELECT 3C1F    41#36    41/40
   SELTXT 3B02    38#39    40/32    40/35    40/36    40/42    40/44
s  SETVBV E45C    39/38
   SHADOW 3B8A    39#45    39/46
   SIZRAM CF5E    43/11    44#19
   SIZRTS CF6A    44/23    44#25
s  SOURCE 0082    42/ 9    42/ 9    42/ 9    42/ 9    42/10    42/10    42/10    42/10    42/11    42/11    42/11
42/11  43/47
   43/47    43/47    43/47
   SSCR1  1000    4/22     4/24     6/ 7     6/ 7     7#15    20/19
   SSCR2  1E00    6/ 8     6/ 8     20#17
   SSCR3  3000    4/36     4/38     4/40     4/42     7/33    20/31    28#15
   SSM1   1067    7/20     7#36
   SSM2  1047    20/24    20#34
   SSM3  3046    28/17    28#30
   SSTXT  3A6E    38#10    40/19    40/22
   STKCOD CF00    43#28    43/35    43/47    43/47
   STKLEN 000F    43#35    43/47
   STXTM  3A7E    38/11    38#16
   SVCRTC CF5A    42/38    43/49    44#11
   SVDINI CF56    44# 8    44/34    44/34    44/39    44/39    44/42    44/42
   SVINTL CF59    42/36    43/47    44#10
   SVPORT CF58    42/33    43/32    44# 9
   SVPUCH CF5B    42/42    43/53    44#12
   SWAPOS 3C00    39/48    39/50    39/52    39/54    39/57    41#19
s  TRAMSZ 0006    44/21
   TROJAN CF0F    43/10    43#47
s  TXFLG  008A    39/16    40/14    40/26    40/54    41/34
   TXTON  3C1B    41/26    41#33
s  VBCLOK 008C    40/13    40/28    40/30    40/39    40/47
   VBFLOK 3BDC    40/33    40#41
   VBFLSH 3BC2    40/17    40#30
   VBL    3BA7    39/35    39/36    40#13
   VBOUT  3BED    40/15    40/31    40/40    40#51
s  VDSLST 0200    39/24    39/26
s  VVBLKI 0222    44/42
s  WARMSV E474    43/34
   WATCH  mac     2# 7    44/34    44/39    44/42
s  XITVBV E462    40/51

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