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00:      0000 1 TEST EQU 0 :REAL VERSION

0000:      2 LST ON ;DO LISTING AND SYMBOL TABLES
0000:      3 MSB ON ;SET THEM HIBITS
0000:      0001 4 IROTEST EQU 1
0000:      0000 5 DO TEST
S      6 F8ORG EQU $1800
S      7 C1ORG EQU $2100
S      8 C3ORG EQU $2300
S      9 C8ORG EQU $2800
0000:     10 ELSE
0000:     F800 11 F8ORG EQU $F800
0000:     C100 12 C1ORG EQU $C100
0000:     C300 13 C3ORG EQU $C300
0000:     C800 14 C8ORG EQU $C800
0000:     15 FIN
0000:     16 MSB ON
0000:     17 INCLUDE EQUATES
0000:     1 *****
0000:     2 *
0000:     3 * Apple //e Video Firmware
0000:     4 *
0000:     5 * RICK AURICCHIO 08/81
0000:     6 * E. BEERNINK, R. WILLIAMS 1984
0000:     7 *
0000:     8 * (C) 1981,1984 APPLE COMPUTER INC.
0000:     9 * ALL RIGHTS RESERVED
0000:    10 *
0000:    11 *****
0000:    12 *
0000:    0006 13 GOODF8 EQU 6 ;F8 ROM VERSION
0000:    14 *
0000:    15 * HARDWARE EQUATES:
0000:    16 *
0000:    C000 17 KBD EQU $C000 ;Read keyboard
0000:    C000 18 CLR80COL EQU $C000 ;Disable 80 column store
0000:    C001 19 SET80COL EQU $C001 ;Enable 80 column store
0000:    C002 20 RDMANRAM EQU $C002 ;Read from main RAM
0000:    C003 21 RDCARDRAM EQU $C003 ;Read from auxiliary RAM
0000:    C004 22 WRMAINRAM EQU $C004 ;Write to main RAM
0000:    C005 23 WRCARDRAM EQU $C005 ;Write to auxiliary RAM
0000:    C006 24 SETSLOTXROM EQU $C006 ;Switch in slot CX00 ROM
0000:    C007 25 SETINTCXROM EQU $C007 ;Switch in internal CX00 ROM
0000:    C008 26 SETSTDZP EQU $C008 ;Switch in main stack/zp/lang.card
0000:    C009 27 SETALTZP EQU $C009 ;Switch in aux stack/zp/lang.card
0000:    C00A 28 SETINTC3ROM EQU $C00A ;Switch in internal $C3 ROM
0000:    C00B 29 SETSLOT3ROM EQU $C00B ;Switch in slot $C3 space
0000:    C00C 30 CLR80VID EQU $C00C ;Disable 80 column video
0000:    C00D 31 SET80VID EQU $C00D ;Enable 80 column video
0000:    C00E 32 CLRALTCHAR EQU $C00E ;Normal Apple II char set
0000:    C00F 33 SETALTCHAR EQU $C00F ;Norm/inv LC, no flash
0000:    C010 34 KBDSTRB EQU $C010 ;Clear keyboard strobe
0000:    C011 35 RDLCBNK2 EQU $C011 ;>127 if LC BANK2 in use
0000:    C012 36 RDLGRAM EQU $C012 ;>127 if LC is read enabled

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0000:    C013 37 RDRAMRD EQU $C013 ;>127 if main RAM read enabled
0000:    C014 38 RDRAMWRT EQU $C014 ;>127 if main RAM write enabled
0000:    C015 39 RDCXROM EQU $C015 ;>127 if ROM CX space enabled
0000:    C016 40 RDALTZP EQU $C016 ;>127 if alt. zp & lc enabled
0000:    C017 41 RDC3ROM EQU $C017 ;>127 if slot C3 space enabled
0000:    C018 42 RD80COL EQU $C018 ;>127 if 80 column store enabled
0000:    C019 43 RDVBLBAR EQU $C019 ;>127 if not vertical blanking
0000:    C01A 44 RDTEXT EQU $C01A ;>127 if text mode
0000:    C01C 45 RDPAGE2 EQU $C01C ;>127 if page 2
0000:    C01E 46 ALTCHARSET EQU $C01E ;>127 if alt char set switched in
0000:    C01F 47 RD80VID EQU $C01F ;>127 if 80 column video enabled
0000:    C030 48 SPKR EQU $C030 ;toggle speaker
0000:    C054 49 TXTPAGE1 EQU $C054 ;switches in text page 1
0000:    C055 50 TXTPAGE2 EQU $C055 ;switches in text page 2
0000:    C05D 51 CLRANZ EQU $C05D ;annunciator 2
0000:    C05F 52 CLRAN3 EQU $C05F ;annunciator 3
0000:    C061 53 BUTN0 EQU $C061 ;open-apple key
0000:    C062 54 BUTN1 EQU $C062 ;closed-apple key
0000:    C081 55 ROHIN EQU $C081 ;swap in D000-FFFF ROM
0000:    C083 56 LCBANK2 EQU $C083 ;swap in LC bank 2
0000:    C08B 57 LCBANK1 EQU $C08B ;swap in LC bank 1
0000:    58 *
0000:    59 * MONITOR EQUATES:
0000:    60 *
0000:    FBB3 61 F8VERSION EQU F8ORG+$3B3 ;F8 ROM ID
0000:    FDB8 62 KEYIN EQU F8ORG+$51B ;normal input
0000:    FDP0 63 COUT1 EQU F8ORG+$5F0 ;normal output
0000:    FF69 64 MONZ EQU F8ORG+$769 ;monitor entry point
0000:    65 *
0000:    66 * ZEROPAGE EQUATES:
0000:    67 *
0000:    0000 68 LOC0 EQU 0 ;used for doing PR#
0000:    0001 69 LOC1 EQU 1 ;used for doing PR#
0000:    70 DSECT
0000:    0020 71 ORG $20
0000:    0001 72 WNDLFT DS 1 ;scrolling window left
0000:    0001 73 WNDWIDTH DS 1 ;scrolling window width
0000:    0001 74 WNDTOP DS 1 ;scrolling window top
0000:    0001 75 WNDBTM DS 1 ;scrolling window bottom+1
0000:    0001 76 CH DS 1 ;cursor horizontal
0000:    0001 77 CV DS 1 ;cursor vertical
0000:    0002 78 DS 2 ;GBASL,GBASH
0000:    0002 79 BASL DS 2 ;points to current line of text
0000:    0029 80 BASH EQU BASL+1
0000:    002A 81 BAS2L DS 2 ;pointer used for scroll
0000:    002B 82 BAS2H EQU BAS2L+1
0000:    83 *
0000:    002F 84 ORG $2F
0000:    0001 85 LENGTH DS 1 ;length for mnemonics
0000:    0002 86 DS 2
0000:    0001 87 INVFLG DS 1 ;>127=normal, <127=inverse
0000:    0001 88 PROMPT DS 1 ;used by monitor upshift
0000:    0001 89 YSAV DS 1 ;input buffer index for mini
0000:    0001 90 SAVY1 DS 1 ;for restoring Y

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