

;

;\*\*\*\* ZP FIELDS \*\*\*\*

;

f00 = \$00

f01 = \$01

f03 = \$03

f04 = \$04

f05 = \$05

f06 = \$06

f07 = \$07

f08 = \$08

f09 = \$09

f0A = \$0A

f0B = \$0B

f0F = \$0F

f10 = \$10

f11 = \$11

f12 = \$12

f13 = \$13

f14 = \$14

f15 = \$15

f16 = \$16

f17 = \$17

f18 = \$18

f19 = \$19

f1A = \$1A

f1C = \$1C

f1E = \$1E

f1F = \$1F

f20 = \$20

f22 = \$22

f24 = \$24

f25 = \$25

f28 = \$28

f2A = \$2A

f2E = \$2E

f2F = \$2F

f30 = \$30

f33 = \$33

f34 = \$34

f35 = \$35

f36 = \$36

f37 = \$37

f38 = \$38

f3B = \$3B

f3C = \$3C

f3E = \$3E

f40 = \$40

f41 = \$41

f42 = \$42

f44 = \$44

f45 = \$45

f46 = \$46

f47 = \$47

f48 = \$48

f49 = \$49

f4B = \$4B

f4C = \$4C

f4E = \$4E

f4F = \$4F

f50 = \$50

f51 = \$51

f52 = \$52

f53 = \$53

f54 = \$54

f55 = \$55

f56 = \$56

f57 = \$57

f58 = \$58

f59 = \$59

f5A = \$5A

f5B = \$5B

f5C = \$5C

f5D = \$5D

f5E = \$5E

f5F = \$5F

f60 = \$60

f63 = \$63

f65 = \$65

f68 = \$68

f69 = \$69

f6C = \$6C

f70 = \$70

f71 = \$71

f73 = \$73

f75 = \$75

f76 = \$76

f77 = \$77

f78 = \$78

f7A = \$7A

f7C = \$7C

f7D = \$7D

f7E = \$7E

f7F = \$7F

f80 = \$80

f81 = \$81

f83 = \$83

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f86 = \$86

f87 = \$87

f89 = \$89

f8A = \$8A

f8E = \$8E

f8F = \$8F

f90 = \$90

f92 = \$92

f94 = \$94

f95 = \$95

f96 = \$96

f98 = \$98

f9F = \$9F

fA0 = \$A0

fA1 = \$A1

fA3 = \$A3

fA4 = \$A4

fA5 = \$A5

fA6 = \$A6

fA7 = \$A7

fAC = \$AC

fAE = \$AE

fAF = \$AF

fB0 = \$B0

fB1 = \$B1

fB3 = \$B3

fB5 = \$B5

fB6 = \$B6

fB8 = \$B8

fB9 = \$B9

fBA = \$BA

fBC = \$BC

fBF = \$BF

fC0 = \$C0

fC1 = \$C1

fC3 = \$C3

fC4 = \$C4

fC5 = \$C5

fC7 = \$C7

fCA = \$CA

fCF = \$CF

fD0 = \$D0

fD1 = \$D1

fD3 = \$D3

fD4 = \$D4

fD5 = \$D5

fD6 = \$D6

fD8 = \$D8

fD9 = \$D9

fDC = \$DC

fDD = \$DD

fDF = \$DF

fE0 = \$E0

fE1 = \$E1

fE4 = \$E4

fE5 = \$E5

fEA = \$EA

fEB = \$EB

fEC = \$EC

fEE = \$EE

fEF = \$EF

fF0 = \$F0

fF1 = \$F1

fF3 = \$F3

fF4 = \$F4

fF5 = \$F5

fF6 = \$F6

fF7 = \$F7

fF8 = \$F8

fFA = \$FA

fFB = \$FB

fFC = \$FC

fFD = \$FD

fFE = \$FE

fFF = \$FF

;

; \*\*\*\* ZP ABSOLUTE ADDRESSES \*\*\*\*

;

a00 = \$00

a01 = \$01

a02 = \$02

a03 = \$03

a04 = \$04

a05 = \$05

a06 = \$06

a07 = \$07

a08 = \$08

a09 = \$09

a0A = \$0A

a0B = \$0B

a0C = \$0C

a0D = \$0D

a0E = \$0E

a0F = \$0F

a10 = \$10

a11 = \$11

a12 = \$12

a13 = \$13

a14 = \$14

a15 = \$15

a16 = \$16



a17 = \$17

a18 = \$18

a1A = \$1A

a1E = \$1E

a1F = \$1F

a20 = \$20

a21 = \$21

a22 = \$22

a23 = \$23

a24 = \$24

a25 = \$25

a26 = \$26

a27 = \$27

a28 = \$28

a29 = \$29

a2A = \$2A

a2B = \$2B

a2C = \$2C

a2D = \$2D

a2E = \$2E

a31 = \$31

a32 = \$32

a33 = \$33

a35 = \$35

a36 = \$36

a38 = \$38

a39 = \$39

a3C = \$3C

a3D = \$3D

a3F = \$3F

a40 = \$40

a41 = \$41

a42 = \$42

a43 = \$43

a44 = \$44

a45 = \$45

a46 = \$46

a47 = \$47

a48 = \$48

a49 = \$49

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a4B = \$4B

a4C = \$4C

a4E = \$4E

a4F = \$4F

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a55 = \$55

a56 = \$56

a58 = \$58

a59 = \$59

a5B = \$5B

a5E = \$5E

a5F = \$5F

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a62 = \$62

a63 = \$63

a64 = \$64

a65 = \$65

a66 = \$66

a68 = \$68

a69 = \$69

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a6C = \$6C

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a7D = \$7D

a7E = \$7E

a80 = \$80

a81 = \$81

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a86 = \$86

a87 = \$87

a8A = \$8A

a8C = \$8C

a8D = \$8D

a8E = \$8E

a8F = \$8F

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a98 = \$98

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a9B = \$9B

a9E = \$9E

a9F = \$9F

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aA7 = \$A7

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aAA = \$AA

aAB = \$AB

aAC = \$AC

aAD = \$AD

aAE = \$AE

aAF = \$AF

aB0 = \$B0

aB1 = \$B1

aB2 = \$B2

aB3 = \$B3

aB8 = \$B8

aB9 = \$B9

aBA = \$BA

aBB = \$BB

aBE = \$BE

aC0 = \$C0

aC1 = \$C1

$$aC2 = \$C2$$

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aEE = \$EE

aEF = \$EF

aF2 = \$F2

aF6 = \$F6

aF7 = \$F7

aF8 = \$F8

aF9 = \$F9

aFA = \$FA

aFB = \$FB

aFC = \$FC

aFD = \$FD

aFE = \$FE

aFF = \$FF

;

; \*\*\*\* ZP POINTERS \*\*\*\*

;

p00 = \$00

p01 = \$01

p02 = \$02

p03 = \$03

p04 = \$04

p05 = \$05

p06 = \$06

p07 = \$07

p08 = \$08

p09 = \$09

p0A = \$0A

p0B = \$0B

p0C = \$0C

p0D = \$0D

p0E = \$0E

p0F = \$0F

p10 = \$10

p11 = \$11

p12 = \$12

p13 = \$13

p14 = \$14

p15 = \$15

p16 = \$16

p18 = \$18

p1A = \$1A

p1B = \$1B

p1C = \$1C



p1D = \$1D

p1E = \$1E

p20 = \$20

p21 = \$21

p22 = \$22

p23 = \$23

p24 = \$24

p25 = \$25

p26 = \$26

p29 = \$29

p2A = \$2A

p2C = \$2C

p2D = \$2D

p2E = \$2E

p2F = \$2F

p30 = \$30

p31 = \$31

p32 = \$32

p33 = \$33

p34 = \$34

p35 = \$35

p38 = \$38

p39 = \$39

p3A = \$3A

p3B = \$3B

p3C = \$3C

p3D = \$3D

p3E = \$3E

p40 = \$40

p41 = \$41

p42 = \$42

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p45 = \$45

p47 = \$47

p48 = \$48

p4A = \$4A

p4B = \$4B

p4C = \$4C

p4E = \$4E

p4F = \$4F

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p51 = \$51

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p55 = \$55

p56 = \$56

p57 = \$57

p58 = \$58

p59 = \$59

p5A = \$5A

p5C = \$5C

p5D = \$5D

p5F = \$5F

p60 = \$60

p61 = \$61

p62 = \$62

p63 = \$63

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p66 = \$66

p67 = \$67

p68 = \$68

p6F = \$6F

p70 = \$70

p71 = \$71

p72 = \$72

p73 = \$73

p74 = \$74

p76 = \$76

p77 = \$77

p78 = \$78

p7A = \$7A

p7B = \$7B

p7C = \$7C

p7D = \$7D

p7F = \$7F

p80 = \$80

p81 = \$81

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p85 = \$85

p87 = \$87

p88 = \$88

p89 = \$89

p8A = \$8A

p8B = \$8B

p8C = \$8C

p8D = \$8D

p8E = \$8E

p8F = \$8F

p90 = \$90

p91 = \$91

p92 = \$92

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p94 = \$94

p96 = \$96

p98 = \$98

p99 = \$99

p9B = \$9B

p9E = \$9E

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pA2 = \$A2

pA3 = \$A3

pA5 = \$A5

pA6 = \$A6

pA7 = \$A7

pA8 = \$A8

pA9 = \$A9

pAA = \$AA

pAB = \$AB

pAC = \$AC

pAD = \$AD

pAE = \$AE

pAF = \$AF

pB0 = \$B0

pB1 = \$B1

pB2 = \$B2

pB3 = \$B3

pB4 = \$B4

pB5 = \$B5

pB8 = \$B8

pB9 = \$B9

$$p_{BA} = \$BA$$

$$p_{BC} = \$BC$$

$$p_{BD} = \$BD$$

$$p_{BF} = \$BF$$

$$p_{C0} = \$C0$$

$$p_{C1} = \$C1$$

$$p_{C2} = \$C2$$

$$p_{C3} = \$C3$$

$$p_{C5} = \$C5$$

$$p_{C6} = \$C6$$

$$p_{C7} = \$C7$$

$$p_{C9} = \$C9$$

$$p_{CC} = \$CC$$

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$$p_{CF} = \$CF$$

$$p_{D0} = \$D0$$

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pE4 = \$E4

pE6 = \$E6

pE7 = \$E7

pE8 = \$E8

pEB = \$EB

pEC = \$EC

pED = \$ED

pEE = \$EE

pF0 = \$F0

pF1 = \$F1

pF3 = \$F3

pF4 = \$F4

pF5 = \$F5

pF7 = \$F7

pF9 = \$F9

pFA = \$FA

pFB = \$FB

pFC = \$FC

pFD = \$FD

pFF = \$FF

;

; \*\*\*\* FIELDS \*\*\*\*

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f0005 = \$0005

f0018 = \$0018

f001A = \$001A

f001C = \$001C

f001F = \$001F

f0036 = \$0036

f003C = \$003C

f0040 = \$0040

f0047 = \$0047

f0050 = \$0050

f0054 = \$0054

f0055 = \$0055

f005A = \$005A

f005B = \$005B

f005D = \$005D

f0060 = \$0060

f0078 = \$0078

f007C = \$007C

f007D = \$007D

f007E = \$007E

f0081 = \$0081

f00A0 = \$00A0

f00A9 = \$00A9

f00B1 = \$00B1

f00C1 = \$00C1

f00CC = \$00CC

f00DD = \$00DD



f00EC = \$00EC

f00F0 = \$00F0

f00FC = \$00FC

f00FD = \$00FD

f00FE = \$00FE

;

; \*\*\*\* ABSOLUTE ADRESSES \*\*\*\*

;

a0002 = \$0002

a0006 = \$0006

a0007 = \$0007

a000B = \$000B

a000E = \$000E

a000F = \$000F

a0021 = \$0021

a0023 = \$0023

a002C = \$002C

a0037 = \$0037

a003B = \$003B

a0048 = \$0048

a0058 = \$0058

a0068 = \$0068

a006F = \$006F

a0076 = \$0076

a0080 = \$0080

a008F = \$008F

a0094 = \$0094

a00A2 = \$00A2

a00A8 = \$00A8

a00AC = \$00AC

a00B0 = \$00B0

a00B4 = \$00B4

a00BC = \$00BC

a00C0 = \$00C0

a00C8 = \$00C8

a00CA = \$00CA

a00CF = \$00CF

a00E0 = \$00E0

a00E2 = \$00E2

a00F5 = \$00F5

;

; \*\*\*\* POINTERS \*\*\*\*

;

p0046 = \$0046

;

; \*\*\*\* EXTERNAL JUMPS \*\*\*\*

;

e0000 = \$0000

e0020 = \$0020

e0090 = \$0090

e00FF = \$00FF

\* = \$0100

a0101 =\*+\$01

\$0100: A0 00 a0100 LDY #\$00  
\$0102: 84 FD STY aFD  
\$0104: 84 FE STY aFE  
\$0106: A9 EC LDA #<p1FEC  
\$0108: A2 1F a0108 LDX #>p1FEC  
\$010A: 85 AE STA aAE  
\$010C: 86 AF STX aAF  
\$010E: A9 1C LDA #<p091C

f0111 =\*+\$01

\$0110: A2 09 LDX #>p091C  
\$0112: 85 AC STA aAC  
\$0114: 86 AD STX aAD  
\$0116: 20 81 01 JSR s0181  
\$0119: A9 01 LDA #<p0801

f011C =\*+\$01

\$011B: A2 08 LDX #>p0801  
\$011D: 85 AE STA aAE  
\$011F: 86 AF STX aAF  
\$0121: B1 FD b0121 LDA (pFD),Y  
\$0123: C9 A1 CMP #A1

\$0125: D0 10        BNE b0137  
\$0127: A9 00        LDA #00  
\$0129: 48            PHA  
\$012A: 20 A2 01    b012A JSR s01A2  
\$012D: AA            TAX  
\$012E: 68            PLA  
\$012F: 20 A8 01    b012F JSR s01A8  
\$0132: CA            DEX  
\$0133: D0 FA        BNE b012F  
\$0135: F0 0D        BEQ b0144  
\$0137: C9 3B        b0137 CMP #3B  
\$0139: D0 06        BNE b0141  
\$013B: 20 A2 01        JSR s01A2  
\$013E: 48            PHA  
\$013F: D0 E9        BNE b012A  
\$0141: 20 A8 01    b0141 JSR s01A8  
\$0144: 20 B1 01    b0144 JSR s01B1  
\$0147: D0 D8        BNE b0121  
\$0149: AE B8 01    j0149 LDX a01B8  
\$014C: CA            DEX  
\$014D: 30 24        BMI b0173  
\$014F: BD B9 01        LDA f01B9,X  
\$0152: 85 FE        STA aFE  
\$0154: 85 2E        STA a2E  
\$0156: CA            DEX

\$0157: BD B9 01 LDA f01B9,X

\$015A: 85 FD STA aFD

\$015C: 85 2D STA a2D

\$015E: CA DEX

\$015F: BD B9 01 LDA f01B9,X

\$0162: 85 AD STA aAD

\$0164: CA DEX

\$0165: BD B9 01 LDA f01B9,X

\$0168: 85 AC STA aAC

\$016A: 8E B8 01 STX a01B8

\$016D: 20 81 01 JSR s0181

\$0170: 4C 49 01 JMP j0149

\$0173: A9 37 b0173 LDA #37

\$0175: 85 01 STA a01

\$0177: 29 06 AND #06

\$0179: C9 06 CMP #06

\$017B: D0 01 BNE b017E

\$017D: 58 CLI

\$017E: 4C 00 28 b017E JMP j2800

\$0181: A5 FD s0181 LDA aFD

\$0183: D0 02 BNE b0187

\$0185: C6 FE f0185 DEC aFE

\$0187: C6 FD b0187 DEC aFD

\$0189: A5 AE LDA aAE  
\$018B: D0 02 BNE b018F  
\$018D: C6 AF DEC aAF  
\$018F: C6 AE b018F DEC aAE  
\$0191: B1 AE LDA (pAE),Y  
\$0193: 91 FD STA (pFD),Y  
\$0195: A5 AE LDA aAE  
f0198 =\*+\$01  
\$0197: C5 AC CMP aAC  
\$0199: D0 E6 BNE s0181  
\$019B: A5 AF LDA aAF  
\$019D: C5 AD CMP aAD  
\$019F: D0 E0 BNE s0181  
\$01A1: 60 RTS  
  
\$01A2: 20 B1 01 s01A2 JSR s01B1  
\$01A5: B1 FD LDA (pFD),Y  
\$01A7: 60 RTS  
  
\$01A8: 91 AE s01A8 STA (pAE),Y  
\$01AA: E6 AE INC aAE  
\$01AC: D0 02 BNE b01B0  
\$01AE: E6 AF INC aAF  
\$01B0: 60 b01B0 RTS

\$01B1: E6 FD    s01B1  INC aFD  
\$01B3: D0 02            BNE b01B7  
\$01B5: E6 FE            INC aFE  
\$01B7: 60        b01B7  RTS

      f01B9  =\*\$01

\$01B8: 00 01    a01B8  BRK # \$01  
\$01BA: 08        PHP  
\$01BB: EB 3A        SBC # \$3A  
\$01BD: EB 3A        SBC # \$3A  
\$01BF: 40        RTI

\$01C0: ED 03 03        SBC a0303  
\$01C3: 03 03        SLO (p03,X)  
\$01C5: 03 03        SLO (p03,X)  
\$01C7: 03 03        SLO (p03,X)  
\$01C9: 03 03        SLO (p03,X)  
\$01CB: 03 03        SLO (p03,X)  
\$01CD: 03 03        SLO (p03,X)  
\$01CF: 03 03        SLO (p03,X)  
\$01D1: 03 03        SLO (p03,X)  
\$01D3: 03 03        SLO (p03,X)  
\$01D5: 03 03        SLO (p03,X)  
\$01D7: 03 03        SLO (p03,X)  
\$01D9: 03 03        SLO (p03,X)

\$01DB: 03 03 SLO (p03,X)  
\$01DD: 03 03 SLO (p03,X)  
\$01DF: 03 00 SLO (p00,X)  
\$01E1: A9 00 LDA # \$00  
\$01E3: B3 53 LAX (p53),Y  
\$01E5: B3 7C LAX (p7C),Y  
\$01E7: 92 JAM  
\$01E8: 0F 46 A1 SLO aA146  
\$01EB: 94 B3 STY fB3,X  
\$01ED: 7C 97 68 NOP f6897,X  
\$01F0: 0F CF 87 SLO a87CF  
\$01F3: 0F F1 B8 SLO aB8F1  
\$01F6: 00 86 BRK # \$86  
\$01F8: 1C 18 08 NOP f0818,X  
\$01FB: 20 15 8C JSR s8C15  
  
f01FF =\*+\$01  
  
p0200 =\*+\$02  
  
\$01FE: 9E 81 00 f01FE STX f0081,Y  
\$0201: 00 00 a0201 BRK # \$00  
\$0203: 00 00 BRK # \$00  
\$0205: 00 00 BRK # \$00  
\$0207: 00 00 BRK # \$00  
\$0209: 00 00 f0209 BRK # \$00  
\$020B: 00 00 BRK # \$00  
\$020D: 00 00 BRK # \$00



\$020F: 00 00	BRK # \$00
\$0211: 00 00	BRK # \$00
\$0213: 00 00	BRK # \$00
\$0215: 00 00	BRK # \$00
\$0217: 00 00	BRK # \$00
\$0219: 00 00	BRK # \$00
\$021B: 00 00	BRK # \$00
\$021D: 00 00	BRK # \$00
\$021F: 00 00	BRK # \$00
\$0221: 00 00	BRK # \$00
\$0223: 00 00	BRK # \$00
\$0225: 00 00	BRK # \$00
\$0227: 00 00	BRK # \$00
\$0229: 00 00	BRK # \$00
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\$022D: 00 00	BRK # \$00
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\$0235: 00 00	BRK # \$00
\$0237: 00 00	BRK # \$00
\$0239: 00 00	BRK # \$00
\$023B: 00 00	BRK # \$00
\$023D: 00 00	BRK # \$00
\$023F: 00 00	BRK # \$00

\$0241: 00 00	BRK # \$00
\$0243: 00 00	BRK # \$00
\$0245: 00 00	BRK # \$00
\$0247: 00 00	BRK # \$00
\$0249: 00 00	BRK # \$00
\$024B: 00 00	BRK # \$00
\$024D: 00 00	BRK # \$00
\$024F: 00 00	BRK # \$00
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\$0253: 00 00	BRK # \$00
\$0255: 00 00	BRK # \$00
\$0257: 00 00	BRK # \$00
\$0259: 00 00	BRK # \$00
\$025B: 00 00	BRK # \$00
\$025D: 00 00	BRK # \$00
\$025F: 00 00	BRK # \$00
\$0261: 00 00	BRK # \$00
\$0263: 00 00	BRK # \$00
\$0265: 00 00	BRK # \$00
\$0267: 00 00	BRK # \$00
\$0269: 00 00	BRK # \$00
\$026B: 00 00	BRK # \$00
\$026D: 00 00	BRK # \$00
\$026F: 00 00	BRK # \$00
\$0271: 00 00	BRK # \$00

\$0273: 00 00	BRK # \$00
\$0275: 00 00	BRK # \$00
\$0277: 4E 20 20	LSR a2020
\$027A: 20 1D 32	JSR s321D
\$027D: A0 A0	LDY # \$A0
\$027F: A0 00	LDY # \$00
\$0281: 00 08	BRK # \$08
\$0283: 00 A0	BRK # \$A0
\$0285: 00 01	BRK # \$01
\$0287: 00 04	BRK # \$04
\$0289: 0A	ASL
\$028A: 00 04	BRK # \$04
\$028C: 00 00	BRK # \$00
\$028E: 00 48	BRK # \$48
\$0290: EB 00	SBC # \$00
\$0292: 00 00	BRK # \$00
\$0294: 00 00	BRK # \$00
\$0296: 00 00	a0296 BRK # \$00
\$0298: 00 00	BRK # \$00
\$029A: 00 00	BRK # \$00
\$029C: 00 00	BRK # \$00
\$029E: 00 00	BRK # \$00
\$02A0: 00 00	BRK # \$00
\$02A2: 00 00	BRK # \$00
\$02A4: 00 00	BRK # \$00

\$02A6: 00 00	BRK # \$00
\$02A8: 00 00	BRK # \$00
\$02AA: 00 00	BRK # \$00
\$02AC: 00 00	BRK # \$00
\$02AE: 00 00	BRK # \$00
\$02B0: 00 00	BRK # \$00
\$02B2: 00 00	BRK # \$00
\$02B4: 00 00	BRK # \$00
\$02B6: 00 00	BRK # \$00
\$02B8: 00 00	BRK # \$00
\$02BA: 00 00	BRK # \$00
\$02BC: 00 00	BRK # \$00
\$02BE: 00 00	BRK # \$00
\$02C0: 00 00	BRK # \$00
\$02C2: 00 00	BRK # \$00
\$02C4: 00 00	BRK # \$00
\$02C6: 00 00	BRK # \$00
\$02C8: 00 00	BRK # \$00
\$02CA: 00 00	BRK # \$00
\$02CC: 00 00	BRK # \$00
\$02CE: 00 00	BRK # \$00
\$02D0: 00 00	BRK # \$00
\$02D2: 00 00	BRK # \$00
\$02D4: 00 00	BRK # \$00
\$02D6: 00 00	BRK # \$00

\$02D8: 00 00	BRK # \$00
\$02DA: 00 00	BRK # \$00
\$02DC: 00 00	BRK # \$00
\$02DE: 00 00	BRK # \$00
\$02E0: 00 00	BRK # \$00
\$02E2: 00 00	BRK # \$00
\$02E4: 00 00	BRK # \$00
\$02E6: 00 00	BRK # \$00
\$02E8: 00 00	BRK # \$00
\$02EA: 00 00	BRK # \$00
\$02EC: 00 00	BRK # \$00
\$02EE: 00 00	BRK # \$00
\$02F0: 00 00	BRK # \$00
\$02F2: 00 00	BRK # \$00
\$02F4: 00 00	BRK # \$00
\$02F6: 00 00	BRK # \$00
\$02F8: 00 00	BRK # \$00
\$02FA: 00 00	BRK # \$00
\$02FC: 00 00	BRK # \$00
\$02FE: 00 00	BRK # \$00
\$0300: 00 00	s0300 BRK # \$00
	a0303 =*+ \$01
\$0302: 00 00	BRK # \$00
\$0304: 00 00	BRK # \$00
\$0306: 00 00	BRK # \$00

\$0308: 00 00 BRK #00

\$030A: 00 00 BRK #00

\$030C: 00 00 BRK #00

\$030E: 00 00 BRK #00

\$0310: 00 00 BRK #00

\$0312: 00 00 BRK #00

a0315 =\*+\$01

\$0314: 6C 86 66 a0314 JMP (p6686)

\$0317: FE 47 FE INC fFE47,X

; \$031A (ind) - open log.file after SETLFS,SETNAM

\$031A: 4A ROM\_OPENi LSR

ROM\_CLOSEi =\*+\$01

\$031B: F3 91 ISC (p91),Y

\$031D: F2 JAM

ROM\_CHKOUTi =\*+\$02

; \$031E (ind) - open channel for input

\$031E: 0E F2 50 ROM\_CHKINi ASL a50F2

\$0321: F2 JAM

; \$0322 (ind) - restore default devices

\$0322: 33 F3 ROM\_CLRCHNi RLA (pF3),Y

; \$0324 (ind) - input character

\$0324: 57 F1 ROM\_CHRINi SRE fF1,X

; \$0326 (ind) - output character

\$0326: CA ROM\_CHROUTi DEX

ROM\_STOPi =\*+\$01

\$0327: F1 ED SBC (pED),Y

ROM\_GETINi =\*+\$01

\$0329: F6 3E INC f3E,X

ROM\_CLALLi =\*+\$01

\$032B: F1 2F SBC (p2F),Y

\$032D: F3 66 ISC (p66),Y

ROM\_LOADi =\*+\$01

\$032F: FE A5 F4 INC fF4A5,X

; \$0332 (ind) - save after call SETLFS,SETNAM

\$0332: ED F5 00 ROM\_SAVEi SBC a00F5

\$0335: 00 00 BRK # \$00

\$0337: 00 00 BRK # \$00

\$0339: 00 00 BRK # \$00

\$033B: 00 00 BRK # \$00

\$033D: 00 00 BRK # \$00

b0340 =\*+\$01

\$033F: 00 A9 BRK # \$A9

a0342 =\*+\$01

\$0341: 37 85	RLA f85,X
\$0343: 01 58	ORA (p58,X)
\$0345: 4C 20 08	JMP j0820
\$0348: A0 EE	LDY #\$EE
\$034A: 42	JAM
\$034B: 03 EE	SLO (pEE,X)
\$034D: 45 03	EOR a03
\$034F: AD 42 03	LDA a0342
\$0352: C9 D0	CMP #\$D0
\$0354: D0 EA	BNE b0340
\$0356: 4C 10 08	JMP j0810
\$0359: 00 0B	BRK #\$0B
\$035B: 08	PHP
\$035C: E8	INX
\$035D: FD 9E 32	SBC f329E,X
\$0360: 00 00	BRK #\$00
\$0362: 00 00	BRK #\$00
\$0364: 00 00	BRK #\$00
\$0366: 00 00	BRK #\$00
\$0368: 00 00	BRK #\$00
\$036A: 00 00	BRK #\$00
\$036C: 00 00	BRK #\$00
\$036E: 00 00	BRK #\$00



\$0370: 00 00	BRK # \$00
\$0372: 00 00	BRK # \$00
\$0374: 00 00	BRK # \$00
\$0376: 00 00	BRK # \$00
\$0378: 00 00	BRK # \$00
\$037A: 00 00	BRK # \$00
\$037C: 00 00	BRK # \$00
\$037E: 00 00	BRK # \$00
\$0380: 00 00	BRK # \$00
\$0382: 00 00	BRK # \$00
\$0384: 00 00	BRK # \$00
\$0386: 00 00	BRK # \$00
\$0388: 00 00	BRK # \$00
\$038A: 00 00	BRK # \$00
\$038C: 00 00	BRK # \$00
\$038E: 00 00	BRK # \$00
\$0390: 00 00	BRK # \$00
\$0392: 00 00	BRK # \$00
\$0394: 00 00	BRK # \$00
\$0396: 00 00	BRK # \$00
\$0398: 00 00	BRK # \$00
\$039A: 00 00	BRK # \$00
\$039C: 00 00	BRK # \$00
\$039E: 00 00	BRK # \$00
\$03A0: 00 00	BRK # \$00

\$03A2: 00 00 BRK # \$00

\$03A4: 00 00 BRK # \$00

\$03A6: 00 00 BRK # \$00

a03A9 =\*+ \$01

\$03A8: 00 00 BRK # \$00

\$03AA: 00 00 BRK # \$00

\$03AC: 00 00 BRK # \$00

\$03AE: 00 00 BRK # \$00

\$03B0: 00 00 BRK # \$00

\$03B2: 00 00 BRK # \$00

\$03B4: 00 00 BRK # \$00

\$03B6: 00 00 BRK # \$00

\$03B8: 00 00 BRK # \$00

\$03BA: 00 00 BRK # \$00

\$03BC: 00 00 BRK # \$00

\$03BE: 00 00 BRK # \$00

\$03C0: 00 00 BRK # \$00

a03C3 =\*+ \$01

\$03C2: 00 00 BRK # \$00

\$03C4: 00 00 BRK # \$00

\$03C6: 00 00 BRK # \$00

\$03C8: 00 00 BRK # \$00

\$03CA: 00 00 BRK # \$00

\$03CC: 00 00 f03CC BRK # \$00

\$03CE: 00 00 a03CE BRK # \$00

\$03D0: 00 00	BRK # \$00
\$03D2: 00 00	BRK # \$00
\$03D4: 00 00	BRK # \$00
\$03D6: 00 00	a03D6 BRK # \$00
\$03D8: 00 00	BRK # \$00
\$03DA: 00 00	BRK # \$00
\$03DC: 00 00	BRK # \$00
\$03DE: 00 00	BRK # \$00
\$03E0: 00 00	BRK # \$00
\$03E2: 00 00	BRK # \$00
\$03E4: 00 00	BRK # \$00
\$03E6: 00 00	BRK # \$00
\$03E8: 00 00	BRK # \$00
\$03EA: 00 00	BRK # \$00
\$03EC: 00 00	BRK # \$00
\$03EE: 00 00	BRK # \$00
\$03F0: 00 00	BRK # \$00
	a03F3 =*+ \$01
\$03F2: 00 00	BRK # \$00
\$03F4: 00 00	BRK # \$00
\$03F6: 00 00	BRK # \$00
\$03F8: 00 00	BRK # \$00
\$03FA: 00 00	BRK # \$00
\$03FC: 00 00	BRK # \$00
\$03FE: 00 00	BRK # \$00

\$0400: 38 a0400 SEC  
a0402 =\*+\$01  
a0403 =\*+\$02  
\$0401: 3C 38 3C a0401 NOP f3C38,X  
a0405 =\*+\$01  
a0406 =\*+\$02  
\$0404: 3C 38 50 a0404 NOP f5038,X  
\$0407: 44 3C NOP a3C  
\$0409: 38 SEC  
a040B =\*+\$01  
a040C =\*+\$02  
\$040A: 3C 40 3C NOP f3C40,X  
\$040D: 20 24 16 a040D JSR s1624  
\$0410: 3C 3C 3C NOP f3C3C,X  
\$0413: 3C 3C 1C NOP f1C3C,X  
\$0416: 1E 1C 38 s0416 ASL f381C,X  
\$0419: 1C 1C 1C NOP f1C1C,X  
\$041C: 3C 14 3C NOP f3C14,X  
\$041F: 20 24 1C JSR s1C24  
\$0422: 28 PLP  
\$0423: 28 PLP  
\$0424: 1C 1C 24 NOP f241C,X  
\$0427: 20 3C 3C JSR f3C3C  
\$042A: 3C 38 3C NOP f3C38,X  
\$042D: 74 78 NOP f78,X

\$042F: 7C 44 48	NOP f4844,X
\$0432: 4C 50 54	JMP j5450
\$0435: 58	CLI
\$0436: 5C 60 64	NOP f6460,X
\$0439: 68	PLA
\$043A: 6C 70 20	JMP (p2070)
\$043D: 78	SEI
\$043E: 7C 20 20	NOP a2020,X
\$0441: 20 20 20	JSR a2020
\$0444: 20 20 20	JSR a2020
\$0447: 20 20 20	JSR a2020
\$044A: 20 20 20	f044A JSR a2020
\$044D: 20 20 20	JSR a2020
\$0450: 20 20 20	JSR a2020
\$0453: 20 20 20	JSR a2020
\$0456: 20 20 20	JSR a2020
\$0459: 20 20 20	JSR a2020
\$045C: 20 20 20	JSR a2020
\$045F: 20 20 20	JSR a2020
\$0462: 20 20 20	JSR a2020
\$0465: 20 20 20	JSR a2020
\$0468: 20 20 20	JSR a2020
\$046B: 20 20 20	JSR a2020

\$046E: 20 20 20 JSR a2020  
\$0471: 20 20 20 JSR a2020  
\$0474: 20 20 20 JSR a2020  
\$0477: 20 20 20 JSR a2020  
\$047A: 20 20 20 JSR a2020  
\$047D: 20 20 20 JSR a2020  
\$0480: 20 20 20 JSR a2020  
\$0483: 20 20 20 JSR a2020  
\$0486: 20 20 20 JSR a2020  
\$0489: 20 20 20 JSR a2020  
\$048C: 20 20 20 JSR a2020  
\$048F: 20 20 20 JSR a2020  
\$0492: 20 20 20 JSR a2020  
\$0495: 20 20 20 JSR a2020  
\$0498: 20 20 20 JSR a2020  
\$049B: 20 20 20 JSR a2020

a04A0 =\*+\$02

\$049E: 20 20 20 JSR a2020  
\$04A1: 20 20 20 JSR a2020  
\$04A4: 20 20 20 JSR a2020

a04A9 =\*+\$02

\$04A7: 20 20 20 JSR a2020  
\$04AA: 20 20 20 JSR a2020  
\$04AD: 20 20 20 JSR a2020  
\$04B0: 20 20 20 JSR a2020

\$04B3: 20 20 20 JSR a2020  
\$04B6: 20 20 20 JSR a2020  
\$04B9: 20 20 20 JSR a2020  
\$04BC: 20 20 20 JSR a2020  
f04C0 =\*+\$01  
\$04BF: 20 16 04 JSR s0416  
\$04C2: 08 PHP  
\$04C3: 12 JAM  
\$04C4: 0C 1C 74 NOP a741C  
\$04C7: 70 70 BVS b0539  
\$04C9: 70 70 BVS b053B  
\$04CB: 70 78 BVS b0545  
\$04CD: 66 62 ROR a62  
\$04CF: 10 0C BPL b04DD  
\$04D1: 0C 10 0C NOP a0C10  
\$04D4: 08 PHP  
\$04D5: 5A NOP  
\$04D6: 14 5A NOP f5A,X  
\$04D8: 10 66 BPL b0540  
\$04DA: 5A NOP  
\$04DB: 16 04 ASL f04,X  
\$04DD: 14 04 b04DD NOP f04,X  
\$04DF: 18 CLC  
\$04E0: 18 CLC  
\$04E1: 18 CLC

\$04E2: 18 CLC  
\$04E3: 14 5A NOP f5A,X  
\$04E5: 66 62 ROR a62  
\$04E7: 66 08 ROR a08  
\$04E9: 0C 04 10 NOP a1004  
\$04EC: 10 4C BPL b053A  
\$04EE: 4C 4C 50 JMP j504C

\$04F1: 50 50 BVC b0543  
\$04F3: 50 50 BVC b0545  
\$04F5: 50 50 BVC b0547  
\$04F7: 50 50 BVC b0549  
\$04F9: 50 50 BVC b054B  
\$04FB: 50 68 BVC b0565  
\$04FD: 50 50 BVC b054F

s0500 =\*+\$01

f0501 =\*+\$02

\$04FF: 20 20 20 JSR a2020

a0504 =\*+\$02

\$0502: 20 20 20 JSR a2020

\$0505: 20 20 20 f0505 JSR a2020

\$0508: 20 20 20 JSR a2020

\$050B: 20 20 20 JSR a2020

\$050E: 20 20 20 JSR a2020

\$0511: 20 20 20 JSR a2020



\$0514: 20 20 20 JSR a2020

\$0517: 20 20 20 JSR a2020

\$051A: 20 20 20 JSR a2020

\$051D: 20 20 20 JSR a2020

f0522 =\*+\$02

\$0520: 20 20 20 JSR a2020

\$0523: 20 20 20 JSR a2020

\$0526: 20 20 20 JSR a2020

\$0529: 20 20 20 JSR a2020

\$052C: 20 20 20 JSR a2020

\$052F: 20 20 20 JSR a2020

\$0532: 20 20 20 JSR a2020

\$0535: 20 20 20 JSR a2020

b0539 =\*+\$01

b053A =\*+\$02

\$0538: 20 20 20 JSR a2020

\$053B: 20 20 20 b053B JSR a2020

b0540 =\*+\$02

\$053E: 20 20 20 JSR a2020

b0543 =\*+\$02

\$0541: 20 20 20 JSR a2020

b0545 =\*+\$01

\$0544: 20 20 20 JSR a2020

b0549 =\*+\$02

\$0547: 20 20 20 b0547 JSR a2020

b054B =\*+\$01

\$054A: 20 20 20 JSR a2020

b054F =\*+\$02

\$054D: 20 20 20 JSR a2020

\$0550: 20 20 20 JSR a2020

\$0553: 20 20 20 JSR a2020

\$0556: 20 20 20 JSR a2020

\$0559: 20 20 20 JSR a2020

\$055C: 20 20 20 JSR a2020

\$055F: 20 20 20 JSR a2020

\$0562: 20 20 20 JSR a2020

\$0565: 20 20 20 b0565 JSR a2020

\$0568: 20 20 20 JSR a2020

\$056B: 20 20 20 JSR a2020

\$056E: 20 20 20 JSR a2020

\$0571: 20 20 20 JSR a2020

\$0574: 20 20 20 JSR a2020

\$0577: 20 20 20 JSR a2020

\$057A: 20 20 20 JSR a2020

\$057D: 20 20 20 JSR a2020

\$0580: 44 47 f0580 NOP a47

\$0582: 45 44 EOR a44

\$0584: 44 44 NOP a44

\$0586: 86 01 STX a01

\$0588: 07 06 SLO a06

\$058A: 07 06	SLO a06
\$058C: 05 00	ORA a00
\$058E: 00 06	BRK #06
\$0590: 45 45	EOR a45
\$0592: 46 45	LSR a45
\$0594: 45 00	EOR a00
\$0596: 06 00	ASL a00
\$0598: 46 00	LSR a00
\$059A: 00 00	BRK #00
\$059C: 45 06	EOR a06
\$059E: 45 07	EOR a07
\$05A0: 07 07	SLO a07
\$05A2: 07 06	SLO a06
\$05A4: 00 00	BRK #00
\$05A6: 00 00	BRK #00
\$05A8: 45 45	EOR a45
\$05AA: 45 46	EOR a46
\$05AC: 46 86	LSR a86
\$05AE: 80 82	NOP #82
\$05B0: 86 84	STX a84
\$05B2: 83 81	SAX (p81,X)
\$05B4: 86 80	STX a80
\$05B6: 82 84	NOP #84
\$05B8: 83 87	SAX (p87,X)
\$05BA: 86 87	STX a87

\$05BC: 00 85	BRK #85
\$05BE: 84 20	STY a20
\$05C0: 20 20 20	JSR a2020
\$05C3: 20 20 20	JSR a2020
\$05C6: 20 20 20	JSR a2020
\$05C9: 20 20 20	JSR a2020
\$05CC: 20 20 20	JSR a2020
\$05CF: 20 20 20	JSR a2020
\$05D2: 20 20 20	JSR a2020
\$05D5: 20 20 20	JSR a2020
\$05D8: 20 20 20	JSR a2020
\$05DB: 20 20 20	JSR a2020
\$05DE: 20 20 20	JSR a2020
\$05E1: 20 20 20	JSR a2020
\$05E4: 20 20 20	JSR a2020
\$05E7: 20 20 20	JSR a2020
\$05EA: 20 20 20	JSR a2020
\$05ED: 20 20 20	JSR a2020
f05F1 =*+\$01	
\$05F0: 20 20 20	JSR a2020
\$05F3: 20 20 20	JSR a2020
\$05F6: 20 20 20	JSR a2020
\$05F9: 20 20 20	JSR a2020
\$05FC: 20 20 20	JSR a2020
j0600 =*+\$01	

\$05FF: 20 20 20 JSR a2020

\$0602: 20 20 20 JSR a2020

a0606 =\*+\$01

\$0605: 20 20 20 JSR a2020

\$0608: 20 20 20 JSR a2020

\$060B: 20 20 20 JSR a2020

\$060E: 20 20 20 JSR a2020

\$0611: 20 20 20 JSR a2020

\$0614: 20 20 20 JSR a2020

\$0617: 20 20 20 JSR a2020

\$061A: 20 20 20 JSR a2020

\$061D: 20 20 20 JSR a2020

\$0620: 20 20 20 JSR a2020

\$0623: 20 20 20 JSR a2020

\$0626: 20 20 20 JSR a2020

\$0629: 20 20 20 JSR a2020

\$062C: 20 20 20 JSR a2020

\$062F: 20 20 20 JSR a2020

\$0632: 20 20 20 JSR a2020

\$0635: 20 20 20 JSR a2020

\$0638: 20 20 20 JSR a2020

\$063B: 20 20 20 JSR a2020

f0640 =\*+\$02

\$063E: 20 20 00 JSR e0020

\$0641: 00 00 BRK # \$00

\$0643: 00 00	BRK # \$00
\$0645: 00 00	BRK # \$00
\$0647: 00 00	BRK # \$00
\$0649: 00 00	BRK # \$00
\$064B: 00 00	BRK # \$00
\$064D: 00 00	BRK # \$00
\$064F: C0 00	CPY # \$00
\$0651: 00 00	BRK # \$00
\$0653: 00 00	BRK # \$00
\$0655: 00 40	BRK # \$40
\$0657: 00 00	BRK # \$00
\$0659: 00 00	BRK # \$00
\$065B: 60	RTS
\$065C: 00 60	BRK # \$60
\$065E: 00 C0	BRK # \$C0
\$0660: 40	RTI
\$0661: 60	RTS
\$0662: C0 20	CPY # \$20
\$0664: 00 00	BRK # \$00
\$0666: 00 00	f0666 BRK # \$00
\$0668: 00 00	BRK # \$00
\$066A: 00 00	BRK # \$00

\$066C: 00 80	BRK #80
\$066E: 20 20 80	JSR s8020
\$0671: 60	RTS
\$0672: A0 C0	LDY #C0
\$0674: 20 A0 20	JSR s20A0
\$0677: 20 80 A0	JSR sA080
\$067A: E0 A0	CPX #A0
\$067C: 01 20	ORA (p20,X)
\$067E: 60	RTS
\$067F: 20 20 20	JSR a2020
\$0682: 20 20 20	JSR a2020
\$0685: 20 20 20	JSR a2020
\$0688: 20 20 20	JSR a2020
\$068B: 20 20 20	JSR a2020
\$068E: 20 20 20	JSR a2020
\$0691: 20 20 20	JSR a2020
\$0694: 20 20 20	JSR a2020
\$0697: 20 20 20	JSR a2020
\$069A: 20 20 20	JSR a2020
\$069D: 20 20 20	JSR a2020
\$06A0: 20 20 20	JSR a2020
\$06A3: 20 20 20	JSR a2020
\$06A6: 20 20 20	JSR a2020

\$06A9: 20 20 20	JSR a2020
\$06AC: 20 20 20	JSR a2020
\$06AF: 20 20 20	JSR a2020
\$06B2: 20 20 20	JSR a2020
\$06B5: 20 20 20	JSR a2020
\$06B8: 20 20 20	JSR a2020
\$06BB: 20 20 20	JSR a2020
\$06BE: 20 20 20	JSR a2020
\$06C1: 20 20 20	JSR a2020
\$06C4: 20 20 20	JSR a2020
\$06C7: 20 20 20	JSR a2020
\$06CA: 20 20 20	JSR a2020
\$06CD: 20 20 20	JSR a2020
\$06D0: 20 20 20	JSR a2020
\$06D3: 20 20 20	JSR a2020
\$06D6: 20 20 20	JSR a2020
\$06D9: 20 20 20	JSR a2020
\$06DC: 20 20 20	JSR a2020
\$06DF: 20 20 20	JSR a2020
\$06E2: 20 20 20	JSR a2020
\$06E5: 20 20 20	JSR a2020
\$06E8: 20 20 20	JSR a2020
\$06EB: 20 20 20	JSR a2020
\$06EE: 20 20 20	JSR a2020
\$06F1: 20 20 20	JSR a2020



\$06F4: 20 20 20 JSR a2020  
\$06F7: 20 20 20 JSR a2020  
\$06FA: 20 20 20 JSR a2020  
\$06FD: 20 20 20 JSR a2020  
\$0700: 20 20 20 f0700 JSR a2020  
f0704 =\*+\$01  
a0705 =\*+\$02  
\$0703: 20 20 20 JSR a2020  
\$0706: 20 20 20 a0706 JSR a2020  
\$0709: 20 20 20 a0709 JSR a2020  
f070E =\*+\$02  
\$070C: 20 20 20 JSR a2020  
\$070F: 20 20 20 JSR a2020  
\$0712: 20 20 20 JSR a2020  
\$0715: 20 20 20 JSR a2020  
\$0718: 20 20 20 JSR a2020  
\$071B: 20 20 20 JSR a2020  
\$071E: 20 20 20 JSR a2020  
\$0721: 20 20 20 JSR a2020  
\$0724: 20 20 20 JSR a2020  
\$0727: 20 20 20 JSR a2020  
\$072A: 20 20 20 JSR a2020  
\$072D: 20 20 20 JSR a2020  
\$0730: 20 20 20 JSR a2020  
\$0733: 20 20 20 JSR a2020

\$0736: 20 20 20	JSR a2020
\$0739: 20 20 20	JSR a2020
\$073C: 20 20 20	JSR a2020
\$073F: 20 20 20	JSR a2020
\$0742: 20 20 20	JSR a2020
\$0745: 20 20 20	JSR a2020
\$0748: 20 20 20	JSR a2020
\$074B: 20 20 20	JSR a2020
\$074E: 20 20 20	JSR a2020
\$0751: 20 20 20	JSR a2020
\$0754: 20 20 20	JSR a2020
\$0757: 20 20 20	JSR a2020
\$075A: 20 20 20	JSR a2020
\$075D: 20 20 20	JSR a2020
\$0760: 20 20 20	JSR a2020
\$0763: 20 20 20	JSR a2020
\$0766: 20 20 20	JSR a2020
\$0769: 20 20 20	JSR a2020
\$076C: 20 20 20	JSR a2020
\$076F: 20 20 20	JSR a2020
\$0772: 20 20 20	JSR a2020
\$0775: 20 20 20	JSR a2020
\$0778: 20 20 20	JSR a2020
\$077B: 20 20 20	JSR a2020
\$077E: 20 20 20	JSR a2020

\$0781: 20 20 20 JSR a2020

\$0784: 20 20 20 JSR a2020

\$0787: 20 20 20 JSR a2020

\$078A: 20 20 20 JSR a2020

\$078D: 20 20 20 JSR a2020

\$0790: 20 20 20 JSR a2020

\$0793: 20 20 20 JSR a2020

\$0796: 20 20 20 JSR a2020

\$0799: 20 20 20 JSR a2020

\$079C: 20 20 20 JSR a2020

a07A0 =\*+\$01

\$079F: 20 20 20 JSR a2020

\$07A2: 20 20 20 JSR a2020

\$07A5: 20 20 20 JSR a2020

a07A9 =\*+\$01

\$07A8: 20 20 20 JSR a2020

\$07AB: 20 20 20 JSR a2020

\$07AE: 20 20 20 JSR a2020

\$07B1: 20 20 20 JSR a2020

\$07B4: 20 20 20 JSR a2020

\$07B7: 20 20 20 JSR a2020

\$07BA: 20 20 20 JSR a2020

\$07BD: 20 20 20 JSR a2020

\$07C0: 20 20 20 JSR a2020

\$07C3: 20 20 20 JSR a2020

\$07C6: 20 20 20 JSR a2020  
\$07C9: 20 20 20 JSR a2020  
\$07CC: 20 20 20 JSR a2020  
\$07CF: 20 20 20 JSR a2020  
\$07D2: 20 20 20 JSR a2020  
\$07D5: 20 20 20 a07D5 JSR a2020  
\$07D8: 20 20 20 JSR a2020  
\$07DB: 20 20 20 JSR a2020  
\$07DE: 20 20 20 JSR a2020  
\$07E1: 20 20 20 JSR a2020  
\$07E4: 20 20 20 JSR a2020  
\$07E7: 20 00 00 JSR e0000  
\$07EA: 00 00 BRK #00  
\$07EC: 00 00 BRK #00  
\$07EE: 00 00 BRK #00  
\$07F0: 00 00 BRK #00  
\$07F2: 00 00 BRK #00  
\$07F4: 00 00 BRK #00  
\$07F6: 00 00 BRK #00  
\$07F8: 2C 2C 2C BIT a2C2C  
a07FC =\*+\$01  
\$07FB: 2C 2C 2C BIT a2C2C  
\$07FE: 2C 2C 00 BIT a002C  
\$0801: 00 00 p0801 BRK #00  
\$0803: C2 07 NOP #07

a0807 =\*+\$02

\$0805: 9E 32 30 STX f3032,Y

\$0808: 38 SEC

\$0809: 38 SEC

\$080A: 20 A9 34 JSR s34A9

\$080D: 85 01 STA a01

j0810 =\*+\$01

\$080F: 4C 00 ED JMP jED00

j0813 =\*+\$01

\$0812: 41 A9 EOR (pA9,X)

\$0814: 37 85 RLA f85,X

\$0816: 01 4C ORA (p4C,X)

\$0818: 00 80 f0818 BRK #80

\$081A: 00 00 BRK #00

\$081C: 00 78 BRK #78

\$081E: A9 34 LDA #34

\$0820: 85 01 j0820 STA a01

\$0822: 4C 00 00 JMP e0000

\$0825: 20 20 20 JSR a2020

\$0828: 78 SEI

\$0829: A9 34 LDA #34

\$082B: 85 01 STA a01

\$082D: A0 00 LDY #00

s0830 =\*+\$01

\$082F: C6 A9        DEC aA9  
\$0831: 41 8D        EOR (p8D,X)  
\$0833: 4F 08 60       SRE a6008  
\$0836: 00 00        BRK # \$00  
\$0838: 00 00        BRK # \$00  
\$083A: 00 00        BRK # \$00  
\$083C: 00 00        BRK # \$00  
\$083E: 00 00        BRK # \$00  
\$0840: EE 4F 08    s0840 INC a084F  
\$0843: 60            RTS

\$0844: 00 00        BRK # \$00  
\$0846: 00 00        BRK # \$00  
\$0848: 00 00        BRK # \$00  
\$084A: 00 00        BRK # \$00  
\$084C: 00 00        BRK # \$00

a084F =\*+\$01

\$084E: 00 41        BRK # \$41  
\$0850: C9 01    s0850 CMP # \$01  
\$0852: D0 06        BNE b085A  
\$0854: 20 30 08       JSR s0830  
\$0857: 4C 5D 08       JMP j085D

\$085A: 20 40 08    b085A JSR s0840

\$085D: 78     j085D SEI

\$085E: A5 01     LDA a01

\$0860: 48     PHA

\$0861: A9 37     LDA #37

\$0863: 85 01     STA a01

\$0865: AD 14 03     LDA a0314 ;IRQ

\$0868: 48     PHA

\$0869: AD 15 03     LDA a0315 ;IRQ

\$086C: 48     PHA

\$086D: A9 EA     LDA #>pEA31

\$086F: 8D 15 03     STA a0315 ;IRQ

\$0872: A9 31     LDA #<pEA31

\$0874: 8D 14 03     STA a0314 ;IRQ

\$0877: AD 19 D0     LDA \$D019 ;VIC Interrupt Request Register (IRR)

\$087A: 48     PHA

\$087B: AD 1A D0     LDA \$D01A ;VIC Interrupt Mask Register (IMR)

\$087E: 48     PHA

\$087F: A9 0F     LDA #\$0F

\$0881: 8D 19 D0     STA \$D019 ;VIC Interrupt Request Register (IRR)

\$0884: A9 00     LDA #\$00

\$0886: 8D 1A D0     STA \$D01A ;VIC Interrupt Mask Register (IMR)

\$0889: A2 00     LDX #\$00

\$088B: B5 90     b088B LDA f90,X

\$088D: 9D 00 09     STA f0900,X

\$0890: A9 00     LDA #\$00

```

$0892: 95 90      STA f90,X
$0894: E8        INX
$0895: E0 20      CPX #$20
$0897: D0 F2      BNE b088B
$0899: 58        CLI
$089A: A2 08      LDX #$08
$089C: A0 01      LDY #$01
          a08A0 =*+$02
$089E: 20 BA FF      JSR ROM_SETLFS ;$FFBA - set file parameters
$08A1: A9 01      LDA #$01
$08A3: A2 4F      LDX #$4F
$08A5: A0 08      LDY #$08
          a08A9 =*+$02
$08A7: 20 BD FF      JSR ROM_SETNAM ;$FFBD - set file name
$08AA: A9 00      LDA #$00
$08AC: 20 D5 FF      JSR ROM_LOAD ;$FFD5 - load after call SETLFS,SETNAM
$08AF: 68        PLA
$08B0: 8D 1A D0      STA $D01A ;VIC Interrupt Mask Register (IMR)
$08B3: 68        PLA
$08B4: 8D 19 D0      STA $D019 ;VIC Interrupt Request Register (IRR)
$08B7: 68        PLA
$08B8: 8D 15 03      STA a0315 ;IRQ
$08BB: 68        PLA
$08BC: 8D 14 03      STA a0314 ;IRQ
$08BF: 68        PLA

```



\$08C0: 85 01	STA a01
\$08C2: A2 00	LDX #\$00
\$08C4: BD 00 09	b08C4 LDA f0900,X
\$08C7: 95 90	STA f90,X
\$08C9: E8	INX
\$08CA: E0 20	CPX #\$20
\$08CC: D0 F6	BNE b08C4
\$08CE: 58	CLI
\$08CF: 60	RTS
\$08D0: 00 00	BRK #\$00
\$08D2: 00 00	BRK #\$00
\$08D4: 00 00	BRK #\$00
\$08D6: 00 00	BRK #\$00
\$08D8: 00 00	BRK #\$00
\$08DA: 00 00	BRK #\$00
\$08DC: 00 00	BRK #\$00
\$08DE: 00 00	BRK #\$00
\$08E0: 00 00	BRK #\$00
\$08E2: 00 00	BRK #\$00
\$08E4: 00 00	BRK #\$00
\$08E6: 00 00	BRK #\$00
\$08E8: 00 00	BRK #\$00
\$08EA: 00 00	BRK #\$00
\$08EC: 00 00	BRK #\$00

\$08EE: 00 00 BRK # \$00

\$08F0: 00 00 BRK # \$00

\$08F2: 00 00 BRK # \$00

\$08F4: 00 00 BRK # \$00

\$08F6: 00 00 BRK # \$00

\$08F8: 00 00 BRK # \$00

\$08FA: 00 00 BRK # \$00

\$08FC: 00 00 BRK # \$00

\$08FE: 00 00 BRK # \$00

\$0900: 40 f0900 RTI

\$0901: FF 00 00 ISC e0000,X

\$0904: 00 30 BRK # \$30

\$0906: 00 00 BRK # \$00

\$0908: 00 00 BRK # \$00

\$090A: 03 00 SLO (p00,X)

\$090C: 00 00 BRK # \$00

p090F =\*+\$01

\$090E: 00 00 BRK # \$00

\$0910: 00 09 BRK # \$09

\$0912: 7F 55 00 RRA f0055,X

\$0915: 00 00 BRK # \$00

\$0917: 00 00 BRK # \$00

\$0919: 00 00 BRK # \$00

p091C =\*+\$01

\$091B: 00 01	BRK # \$01
\$091D: 08	PHP
\$091E: 00 16	BRK # \$16
\$0920: 00 00	BRK # \$00
\$0922: 00 00	BRK # \$00
\$0924: 00 00	BRK # \$00
\$0926: 00 00	BRK # \$00
\$0928: 00 00	BRK # \$00
\$092A: 00 00	BRK # \$00
\$092C: 00 00	BRK # \$00
\$092E: 00 00	BRK # \$00
\$0930: 00 00	BRK # \$00
\$0932: 00 00	BRK # \$00
\$0934: 00 00	BRK # \$00
\$0936: 00 00	BRK # \$00
\$0938: 00 00	BRK # \$00
\$093A: 00 00	BRK # \$00
\$093C: 00 00	BRK # \$00
\$093E: 00 00	BRK # \$00
\$0940: 00 00	BRK # \$00
\$0942: 00 00	BRK # \$00
\$0944: 00 00	BRK # \$00
\$0946: 00 00	BRK # \$00
\$0948: 00 00	BRK # \$00
\$094A: 00 00	BRK # \$00

\$094C: 00 00	BRK # \$00
\$094E: 00 00	BRK # \$00
\$0950: 00 00	BRK # \$00
\$0952: 00 00	BRK # \$00
\$0954: 00 00	BRK # \$00
\$0956: 00 00	BRK # \$00
\$0958: 00 00	BRK # \$00
\$095A: 00 00	BRK # \$00
\$095C: 00 00	BRK # \$00
\$095E: 00 00	BRK # \$00
\$0960: 00 00	BRK # \$00
\$0962: 00 00	BRK # \$00
\$0964: 00 00	BRK # \$00
\$0966: 00 00	BRK # \$00
\$0968: 00 00	BRK # \$00
\$096A: 00 00	BRK # \$00
\$096C: 00 00	BRK # \$00
\$096E: 00 00	BRK # \$00
\$0970: 00 00	BRK # \$00
\$0972: 00 00	BRK # \$00
\$0974: 00 00	BRK # \$00
\$0976: 00 00	BRK # \$00
\$0978: 00 00	BRK # \$00
\$097A: 00 00	BRK # \$00
\$097C: 00 00	BRK # \$00

\$097E: 00 00	BRK # \$00
\$0980: 00 00	BRK # \$00
\$0982: 00 00	BRK # \$00
\$0984: 00 00	BRK # \$00
\$0986: 00 00	BRK # \$00
\$0988: 00 00	BRK # \$00
\$098A: 00 00	BRK # \$00
\$098C: 00 00	BRK # \$00
\$098E: 00 00	f098E BRK # \$00
\$0990: 00 00	BRK # \$00
\$0992: 00 00	BRK # \$00
\$0994: 00 00	BRK # \$00
\$0996: 00 00	BRK # \$00
\$0998: 00 00	BRK # \$00
\$099A: 00 00	BRK # \$00
\$099C: 00 00	BRK # \$00
\$099E: 00 00	BRK # \$00
\$09A0: 00 00	BRK # \$00
\$09A2: 00 00	BRK # \$00
\$09A4: 00 00	BRK # \$00
\$09A6: 00 00	BRK # \$00
\$09A8: 00 00	BRK # \$00
\$09AA: 00 00	BRK # \$00
\$09AC: 00 00	BRK # \$00
\$09AE: 00 00	BRK # \$00

\$09B0: 00 00	BRK # \$00
\$09B2: 00 00	BRK # \$00
\$09B4: 00 00	BRK # \$00
\$09B6: 00 00	BRK # \$00
\$09B8: 00 00	BRK # \$00
\$09BA: 00 00	BRK # \$00
\$09BC: 00 00	BRK # \$00
\$09BE: 00 00	BRK # \$00
\$09C0: 00 00	BRK # \$00
\$09C2: 00 00	BRK # \$00
\$09C4: 00 00	BRK # \$00
\$09C6: 00 00	BRK # \$00
\$09C8: 00 00	BRK # \$00
\$09CA: 00 00	BRK # \$00
\$09CC: 00 00	BRK # \$00
\$09CE: 00 00	BRK # \$00
\$09D0: 00 00	BRK # \$00
\$09D2: 00 00	BRK # \$00
\$09D4: 00 00	BRK # \$00
\$09D6: 00 00	BRK # \$00
\$09D8: 00 00	BRK # \$00
\$09DA: 00 00	BRK # \$00
\$09DC: 00 00	BRK # \$00
\$09DE: 00 00	BRK # \$00
\$09E0: 00 00	BRK # \$00

\$09E2: 00 00 BRK # \$00  
\$09E4: 00 00 BRK # \$00  
\$09E6: 00 00 BRK # \$00  
\$09E8: 00 00 BRK # \$00  
\$09EA: 00 00 BRK # \$00  
\$09EC: 00 00 BRK # \$00  
\$09EE: 00 00 BRK # \$00  
\$09F0: 00 00 BRK # \$00  
\$09F2: 00 00 BRK # \$00  
\$09F4: 00 00 BRK # \$00  
\$09F6: 00 00 BRK # \$00  
\$09F8: 00 00 BRK # \$00  
\$09FA: 00 00 BRK # \$00  
\$09FC: 00 00 BRK # \$00  
\$09FE: 00 00 BRK # \$00

a0A01 =\*+\$01

a0A02 =\*+\$02

\$0A00: 4F 08 01 a0A00 SRE a0108

f0A04 =\*+\$01

f0A05 =\*+\$02

\$0A03: 0F E6 E1 a0A03 SLO aE1E6

\$0A06: 9D ED FB STA fFBED,X

a0A0A =\*+\$01

\$0A09: 19 F3 E5 a0A09 ORA fE5F3,Y

a0A0D =\*+\$01

a0A0E =\*+\$02

\$0A0C: 99 F9 FB STA fFBF9,Y

\$0A0F: 19 46 43 a0A0F ORA f4346,Y

\$0A12: 81 A0 STA (pA0,X)

\$0A14: 13 82 SLO (p82),Y

\$0A16: 16 80 ASL f80,X

\$0A18: 40 RTI

\$0A19: 04 80 NOP a80

\$0A1B: 21 83 AND (p83,X)

\$0A1D: 15 8A ORA f8A,X

\$0A1F: 36 86 ROL f86,X

\$0A21: 40 RTI

\$0A22: 04 8A NOP a8A

\$0A24: 21 8D AND (p8D,X)

\$0A26: 40 RTI

\$0A27: 04 80 NOP a80

\$0A29: 21 8D AND (p8D,X)

\$0A2B: 22 JAM

\$0A2C: 86 1F STX a1F

f0A2F =\*+\$01

\$0A2E: 80 40 NOP #40

\$0A30: 04 99 NOP a99



\$0A32: 40	RTI
\$0A33: 04 87	NOP a87
\$0A35: 13 90	SLO (p90),Y
\$0A37: 40	RTI
\$0A38: 04 FF	NOP aFF
\$0A3A: FF FF FF	ISC fFFFF,X ;IRQ
\$0A3D: E2 13	NOP #13
\$0A3F: C8	INY
\$0A40: 13 A7	SLO (pA7),Y
\$0A42: 3F 83 20	RLA f2083,X
\$0A45: 81 20	STA (p20,X)
\$0A47: 83 20	SAX (p20,X)
\$0A49: BB 13 87	LAS f8713,Y
\$0A4C: 22	f0A4C JAM
\$0A4D: 85 22	STA a22
\$0A4F: 00 00	BRK #00
\$0A51: 00 00	BRK #00
\$0A53: 00 00	BRK #00
\$0A55: 00 00	BRK #00
\$0A57: 00 00	BRK #00
\$0A59: 00 00	BRK #00
\$0A5B: 00 00	BRK #00
\$0A5D: 00 00	BRK #00

\$0A5F: 00 00	BRK # \$00
\$0A61: 00 00	BRK # \$00
\$0A63: 00 00	BRK # \$00
\$0A65: 00 00	BRK # \$00
\$0A67: 00 00	BRK # \$00
\$0A69: 00 00	BRK # \$00
\$0A6B: 00 00	BRK # \$00
\$0A6D: 00 00	BRK # \$00
\$0A6F: 00 00	BRK # \$00
\$0A71: 00 00	BRK # \$00
\$0A73: 00 00	BRK # \$00
\$0A75: 00 00	BRK # \$00
\$0A77: 00 00	BRK # \$00
\$0A79: 00 00	BRK # \$00
\$0A7B: 00 00	BRK # \$00
\$0A7D: 00 00	BRK # \$00
\$0A7F: 00 00	BRK # \$00
\$0A81: 00 00	BRK # \$00
\$0A83: 00 00	BRK # \$00
\$0A85: 00 00	BRK # \$00
\$0A87: 00 00	BRK # \$00
\$0A89: 00 00	BRK # \$00
\$0A8B: 00 00	BRK # \$00
f0A8E =*+\$01	
\$0A8D: 00 00	BRK # \$00

\$0A8F: 00 00	BRK # \$00
\$0A91: 00 00	BRK # \$00
\$0A93: 00 00	BRK # \$00
\$0A95: 00 00	BRK # \$00
\$0A97: 00 00	BRK # \$00
\$0A99: 00 00	BRK # \$00
\$0A9B: 00 00	BRK # \$00
\$0A9D: 00 00	BRK # \$00
\$0A9F: 00 00	BRK # \$00
\$0AA1: 00 00	BRK # \$00
\$0AA3: 00 00	BRK # \$00
\$0AA5: 00 00	BRK # \$00
\$0AA7: 00 00	BRK # \$00
\$0AA9: 00 00	BRK # \$00
\$0AAB: 00 00	BRK # \$00
\$0AAD: 00 00	BRK # \$00
\$0AAF: 00 00	BRK # \$00
\$0AB1: 00 00	BRK # \$00
\$0AB3: 00 00	BRK # \$00
\$0AB5: 00 00	BRK # \$00
\$0AB7: 00 00	BRK # \$00
\$0AB9: 00 00	BRK # \$00
\$0ABB: 00 00	BRK # \$00
\$0ABD: 00 00	BRK # \$00
\$0ABF: 00 00	BRK # \$00

\$0AC1: 00 00	BRK # \$00
\$0AC3: 00 00	BRK # \$00
\$0AC5: 00 00	BRK # \$00
\$0AC7: 00 00	BRK # \$00
\$0AC9: 00 00	BRK # \$00
\$0ACB: 00 00	BRK # \$00
\$0ACD: 00 00	BRK # \$00
\$0ACF: 00 00	BRK # \$00
\$0AD1: 00 00	BRK # \$00
\$0AD3: 00 00	BRK # \$00
\$0AD5: 00 00	BRK # \$00
\$0AD7: 00 00	BRK # \$00
\$0AD9: 00 00	BRK # \$00
\$0ADB: 00 00	BRK # \$00
\$0ADD: 00 00	BRK # \$00
\$0ADF: 00 00	BRK # \$00
\$0AE1: 00 00	BRK # \$00
\$0AE3: 00 00	BRK # \$00
\$0AE5: 00 00	BRK # \$00
\$0AE7: 00 00	BRK # \$00
\$0AE9: 00 00	BRK # \$00
\$0AEB: 00 00	BRK # \$00
\$0AED: 00 00	BRK # \$00
\$0AEF: 00 00	BRK # \$00
\$0AF1: 00 00	BRK # \$00

\$0AF3: 00 00	BRK # \$00
\$0AF5: 00 00	BRK # \$00
\$0AF7: 00 00	BRK # \$00
\$0AF9: 00 00	BRK # \$00
\$0AFB: 00 00	BRK # \$00
\$0AFD: 00 00	BRK # \$00
\$0AFF: 00 00	BRK # \$00
\$0B01: 00 00	BRK # \$00
\$0B03: 00 00	BRK # \$00
\$0B05: 00 00	BRK # \$00
\$0B07: 00 00	BRK # \$00
\$0B09: 00 00	BRK # \$00
\$0B0B: 00 00	a0B0B BRK # \$00
\$0B0D: 00 00	BRK # \$00
\$0B0F: 00 00	BRK # \$00
\$0B11: 00 00	BRK # \$00
\$0B13: 00 00	BRK # \$00
\$0B15: 00 00	BRK # \$00
\$0B17: 00 00	BRK # \$00
\$0B19: 00 00	BRK # \$00
\$0B1B: 00 00	BRK # \$00
\$0B1D: 00 00	BRK # \$00
s0B20 =*+\$01	
\$0B1F: 00 00	BRK # \$00
\$0B21: 00 00	BRK # \$00

\$0B23: 00 00 BRK # \$00

\$0B25: 00 00 BRK # \$00

\$0B27: 00 00 BRK # \$00

\$0B29: 00 00 BRK # \$00

\$0B2B: 00 00 BRK # \$00

a0B2E =\*+ \$01

\$0B2D: 00 00 BRK # \$00

\$0B2F: 00 00 BRK # \$00

\$0B31: 00 00 BRK # \$00

\$0B33: 00 00 BRK # \$00

\$0B35: 00 00 BRK # \$00

\$0B37: 00 00 BRK # \$00

\$0B39: 00 00 BRK # \$00

\$0B3B: 00 00 BRK # \$00

\$0B3D: 00 00 BRK # \$00

\$0B3F: 00 00 BRK # \$00

\$0B41: 00 00 BRK # \$00

\$0B43: 00 00 BRK # \$00

\$0B45: 00 00 BRK # \$00

\$0B47: 00 00 BRK # \$00

\$0B49: 00 00 BRK # \$00

\$0B4B: 00 00 BRK # \$00

\$0B4D: 00 00 BRK # \$00

\$0B4F: 00 00 BRK # \$00

\$0B51: 00 00 BRK # \$00

\$0B53: 00 00	BRK # \$00
\$0B55: 00 00	BRK # \$00
\$0B57: 00 00	BRK # \$00
\$0B59: 00 00	BRK # \$00
\$0B5B: 00 00	BRK # \$00
\$0B5D: 00 00	BRK # \$00
\$0B5F: 00 00	BRK # \$00
\$0B61: 00 00	BRK # \$00
\$0B63: 00 00	BRK # \$00
\$0B65: 00 00	BRK # \$00
\$0B67: 00 00	BRK # \$00
\$0B69: 00 00	BRK # \$00
\$0B6B: 00 00	BRK # \$00
\$0B6D: 00 00	BRK # \$00
\$0B6F: 00 00	BRK # \$00
\$0B71: 00 00	BRK # \$00
\$0B73: 00 00	BRK # \$00
\$0B75: 00 00	BRK # \$00
\$0B77: 00 00	BRK # \$00
\$0B79: 00 00	BRK # \$00
\$0B7B: 00 00	BRK # \$00
\$0B7D: 00 00	BRK # \$00
\$0B7F: 00 00	BRK # \$00
\$0B81: 00 00	BRK # \$00
\$0B83: 00 00	BRK # \$00

\$0B85: 00 00	BRK # \$00
\$0B87: 00 00	BRK # \$00
\$0B89: 00 00	BRK # \$00
\$0B8B: 00 00	BRK # \$00
\$0B8D: 00 00	BRK # \$00
\$0B8F: 00 00	BRK # \$00
\$0B91: 00 00	BRK # \$00
\$0B93: 00 00	BRK # \$00
\$0B95: 00 00	BRK # \$00
\$0B97: 00 00	BRK # \$00
\$0B99: 00 00	BRK # \$00
\$0B9B: 00 00	BRK # \$00
\$0B9D: 00 00	a0B9D BRK # \$00
\$0B9F: 00 00	BRK # \$00
\$0BA1: 00 00	BRK # \$00
\$0BA3: 00 00	BRK # \$00
\$0BA5: 00 00	BRK # \$00
\$0BA7: 00 00	BRK # \$00
\$0BA9: 00 00	BRK # \$00
\$0BAB: 00 00	BRK # \$00
\$0BAD: 00 00	BRK # \$00
\$0BAF: 00 00	BRK # \$00
\$0BB1: 00 00	BRK # \$00
\$0BB3: 00 00	BRK # \$00
\$0BB5: 00 00	BRK # \$00



\$0BB7: 00 00	BRK # \$00
\$0BB9: 00 00	BRK # \$00
\$0BBB: 00 00	BRK # \$00
\$0BBD: 00 00	BRK # \$00
\$0BBF: 00 00	BRK # \$00
\$0BC1: 00 00	BRK # \$00
\$0BC3: 00 00	BRK # \$00
\$0BC5: 00 00	BRK # \$00
\$0BC7: 00 00	BRK # \$00
\$0BC9: 00 00	a0BC9 BRK # \$00
\$0BCB: 00 00	BRK # \$00
\$0BCD: 00 00	BRK # \$00
\$0BCF: 00 00	BRK # \$00
\$0BD1: 00 00	BRK # \$00
\$0BD3: 00 00	BRK # \$00
\$0BD5: 00 00	BRK # \$00
\$0BD7: 00 00	BRK # \$00
\$0BD9: 00 00	BRK # \$00
\$0BDB: 00 00	BRK # \$00
\$0BDD: 00 00	BRK # \$00
\$0BDF: 00 00	BRK # \$00
\$0BE1: 00 00	BRK # \$00
\$0BE3: 00 00	BRK # \$00
\$0BE5: 00 00	BRK # \$00
\$0BE7: 00 00	BRK # \$00

\$0BE9: 00 00 BRK #00  
\$0BEB: 00 00 BRK #00  
\$0BED: 00 00 BRK #00  
\$0BEF: 00 00 BRK #00  
\$0BF1: 00 00 BRK #00  
\$0BF3: 00 00 BRK #00  
\$0BF5: 00 00 BRK #00  
\$0BF7: 00 00 BRK #00  
\$0BF9: 00 00 BRK #00  
\$0BFB: 00 00 BRK #00  
\$0BFD: 00 00 BRK #00

p0C00 =\*+01

\$0BFF: 00 0F BRK #0F  
\$0C01: 0A ASL  
\$0C02: 0A ASL  
\$0C03: 0A ASL  
\$0C04: 0A ASL  
\$0C05: 0A ASL  
\$0C06: 0F 0A 0A SLO a0A0A  
\$0C09: 0A ASL  
\$0C0A: 0A ASL  
\$0C0B: 0A ASL  
\$0C0C: 0A a0C0C ASL

a0C0E =\*+01

\$0C0D: 0E 0A 0A a0C0D ASL a0A0A

\$0C10: 0A	a0C10 ASL
\$0C11: 0A	ASL
\$0C12: 0A	ASL
\$0C13: 0B 0A	ANC # \$0A
\$0C15: 0A	ASL
\$0C16: 0A	ASL
\$0C17: 0A	ASL
\$0C18: 0A	ASL
\$0C19: 0E 0A 0A	ASL a0A0A
\$0C1C: 0A	ASL
\$0C1D: 0A	ASL
\$0C1E: 0A	ASL
\$0C1F: 0A	ASL
\$0C20: 05 00	ORA a00
\$0C22: 00 00	BRK # \$00
\$0C24: 00 00	BRK # \$00
\$0C26: 05 00	ORA a00
\$0C28: 00 00	BRK # \$00
\$0C2A: 00 00	BRK # \$00
\$0C2C: 00 05	BRK # \$05
\$0C2E: 21 00	AND (p00,X)
\$0C30: 00 00	a0C30 BRK # \$00
\$0C32: 00 15	BRK # \$15
\$0C34: 00 00	BRK # \$00
\$0C36: 00 00	BRK # \$00

\$0C38: 00 05	BRK # \$05
\$0C3A: 00 00	BRK # \$00
\$0C3C: 00 00	BRK # \$00
\$0C3E: 00 36	BRK # \$36
\$0C40: 05 00	ORA a00
\$0C42: 00 00	BRK # \$00
\$0C44: 00 00	BRK # \$00
\$0C46: 01 00	ORA (p00,X)
\$0C48: 00 00	BRK # \$00
\$0C4A: 00 00	BRK # \$00
\$0C4C: 00 05	BRK # \$05
\$0C4E: 00 00	BRK # \$00
\$0C50: 00 00	BRK # \$00
\$0C52: 00 00	BRK # \$00
\$0C54: 00 00	BRK # \$00
\$0C56: 00 00	BRK # \$00
\$0C58: 21 05	AND (p05,X)
\$0C5A: 00 00	BRK # \$00
\$0C5C: 00 00	BRK # \$00
\$0C5E: 00 00	BRK # \$00
\$0C60: 05 00	ORA a00
\$0C62: 00 00	BRK # \$00
\$0C64: 00 00	BRK # \$00
\$0C66: 00 00	f0C66 BRK # \$00
\$0C68: 00 00	BRK # \$00

\$0C6A: 00 00	BRK # \$00
\$0C6C: 00 05	BRK # \$05
\$0C6E: 21 00	AND (p00,X)
\$0C70: 00 00	BRK # \$00
\$0C72: 00 00	BRK # \$00
\$0C74: 00 00	BRK # \$00
\$0C76: 00 00	BRK # \$00
\$0C78: 00 05	BRK # \$05
\$0C7A: 00 00	BRK # \$00
\$0C7C: 00 22	BRK # \$22
\$0C7E: 00 00	p0C7E BRK # \$00
a0C81 =*+\$01	
\$0C80: 05 00	ORA a00
\$0C82: 00 00	BRK # \$00
\$0C84: 00 00	BRK # \$00
\$0C86: 00 00	BRK # \$00
\$0C88: 00 00	BRK # \$00
\$0C8A: 00 00	BRK # \$00
\$0C8C: 00 05	BRK # \$05
\$0C8E: 00 00	BRK # \$00
\$0C90: 00 00	BRK # \$00
\$0C92: 00 00	BRK # \$00
\$0C94: 00 00	BRK # \$00
\$0C96: 00 00	BRK # \$00
\$0C98: 00 05	BRK # \$05

\$0C9A: 00 00 BRK # \$00

\$0C9C: 00 00 BRK # \$00

f0C9F =\*+ \$01

\$0C9E: 00 00 BRK # \$00

\$0CA0: 05 00 ORA a00

\$0CA2: 00 00 BRK # \$00

\$0CA4: 00 00 BRK # \$00

\$0CA6: 00 00 BRK # \$00

a0CA9 =\*+ \$01

\$0CA8: 00 00 BRK # \$00

\$0CAA: 00 00 BRK # \$00

\$0CAC: 00 05 BRK # \$05

\$0CAE: 00 00 BRK # \$00

\$0CB0: 00 00 BRK # \$00

\$0CB2: 00 04 BRK # \$04

\$0CB4: 00 13 BRK # \$13

\$0CB6: 00 00 BRK # \$00

\$0CB8: 00 05 BRK # \$05

\$0CBA: 00 00 BRK # \$00

\$0CBC: 00 00 BRK # \$00

\$0CBE: 00 00 BRK # \$00

\$0CC0: 05 00 ORA a00

\$0CC2: 00 00 BRK # \$00

\$0CC4: 00 00 BRK # \$00

\$0CC6: 04 00 NOP a00

\$OCC8: 00 00	BRK # \$00
\$OCCA: 00 00	BRK # \$00
\$OCCC: 00 05	aOCCC BRK # \$05
\$OCCE: 00 00	BRK # \$00
\$OCD0: 00 00	BRK # \$00
\$OCD2: 00 05	BRK # \$05
\$OCD4: 00 00	BRK # \$00
\$OCD6: 00 00	BRK # \$00
\$OCD8: 00 05	BRK # \$05
\$OCDA: 00 00	BRK # \$00
\$OCDC: 00 00	BRK # \$00
\$OCDE: 00 00	BRK # \$00
\$OCE0: 05 00	ORA a00
\$OCE2: 00 00	BRK # \$00
\$OCE4: 00 00	BRK # \$00
\$OCE6: 05 00	ORA a00
\$OCE8: 00 00	BRK # \$00
\$OCEA: 00 00	BRK # \$00
\$OCEC: 00 05	BRK # \$05
\$OCEE: 00 00	BRK # \$00
\$OCF0: 00 00	BRK # \$00
\$OCF2: 00 05	BRK # \$05
\$OCF4: 00 00	BRK # \$00
\$OCF6: 00 00	BRK # \$00
\$OCF8: 00 05	BRK # \$05

\$0CFA: 00 00 BRK # \$00  
\$0CFC: 00 00 a0CFC BRK # \$00  
\$0CFE: 00 00 a0CFE BRK # \$00  
\$0D00: 05 00 f0D00 ORA a00  
a0D03 =\*+\$01  
\$0D02: 00 00 BRK # \$00  
\$0D04: 00 00 BRK # \$00  
\$0D06: 05 00 ORA a00  
\$0D08: 00 00 BRK # \$00  
\$0D0A: 00 00 BRK # \$00  
a0D0D =\*+\$01  
\$0D0C: 00 05 a0D0C BRK # \$05  
\$0D0E: 00 00 BRK # \$00  
\$0D10: 00 00 a0D10 BRK # \$00  
\$0D12: 00 05 BRK # \$05  
\$0D14: 00 00 BRK # \$00  
\$0D16: 00 00 BRK # \$00  
\$0D18: 00 05 BRK # \$05  
\$0D1A: 00 00 BRK # \$00  
\$0D1C: 00 00 BRK # \$00  
\$0D1E: 00 00 BRK # \$00  
\$0D20: 05 00 ORA a00  
\$0D22: 00 00 BRK # \$00  
\$0D24: 00 00 BRK # \$00  
\$0D26: 05 00 ORA a00



\$0D28: 00 00	BRK # \$00
\$0D2A: 00 00	BRK # \$00
\$0D2C: 00 05	BRK # \$05
a0D2F =*+\$01	
\$0D2E: 00 00	BRK # \$00
\$0D30: 00 00	BRK # \$00
\$0D32: 00 05	BRK # \$05
\$0D34: 00 00	BRK # \$00
\$0D36: 00 00	BRK # \$00
\$0D38: 00 05	BRK # \$05
\$0D3A: 00 00	BRK # \$00
\$0D3C: 00 00	BRK # \$00
\$0D3E: 00 00	BRK # \$00
\$0D40: 05 00	ORA a00
\$0D42: 00 00	BRK # \$00
\$0D44: 00 00	f0D44 BRK # \$00
\$0D46: 05 00	ORA a00
\$0D48: 00 00	BRK # \$00
\$0D4A: 00 00	BRK # \$00
\$0D4C: 00 05	BRK # \$05
\$0D4E: 00 00	a0D4E BRK # \$00
\$0D50: 00 00	BRK # \$00
\$0D52: 00 05	BRK # \$05
\$0D54: 00 00	BRK # \$00
\$0D56: 00 00	BRK # \$00

\$0D58: 00 05	BRK # \$05
\$0D5A: 00 00	BRK # \$00
\$0D5C: 00 00	BRK # \$00
\$0D5E: 00 00	BRK # \$00
\$0D60: 05 00	ORA a00
\$0D62: 00 00	BRK # \$00
\$0D64: 00 00	BRK # \$00
\$0D66: 05 00	ORA a00
\$0D68: 00 00	BRK # \$00
\$0D6A: 00 00	BRK # \$00
\$0D6C: 00 05	BRK # \$05
\$0D6E: 00 00	BRK # \$00
\$0D70: 00 00	BRK # \$00
\$0D72: 00 05	BRK # \$05
\$0D74: 00 00	BRK # \$00
\$0D76: 00 00	BRK # \$00
\$0D78: 00 05	BRK # \$05
\$0D7A: 00 00	BRK # \$00
\$0D7C: 00 00	BRK # \$00
\$0D7E: 00 00	BRK # \$00
\$0D80: 05 00	ORA a00
\$0D82: 00 00	BRK # \$00
\$0D84: 00 00	BRK # \$00
\$0D86: 05 00	ORA a00
\$0D88: 00 00	BRK # \$00

\$0D8A: 00 00 BRK # \$00

\$0D8C: 00 05 BRK # \$05

\$0D8E: 00 00 BRK # \$00

s0D91 =\*+\$01

\$0D90: 00 00 BRK # \$00

\$0D92: 00 05 BRK # \$05

\$0D94: 00 00 BRK # \$00

\$0D96: 00 00 BRK # \$00

\$0D98: 00 05 BRK # \$05

\$0D9A: 00 00 BRK # \$00

\$0D9C: 00 00 BRK # \$00

\$0D9E: 00 00 BRK # \$00

\$0DA0: 05 00 ORA a00

\$0DA2: 00 00 BRK # \$00

\$0DA4: 00 00 BRK # \$00

\$0DA6: 05 00 ORA a00

a0DA9 =\*+\$01

\$0DA8: 00 00 BRK # \$00

\$0DAA: 00 00 BRK # \$00

\$0DAC: 00 05 BRK # \$05

\$0DAE: 00 00 BRK # \$00

\$0DB0: 00 00 BRK # \$00

\$0DB2: 00 05 BRK # \$05

\$0DB4: 00 00 BRK # \$00

\$0DB6: 00 00 BRK # \$00

\$0DB8: 00 05	BRK #05
\$0DBA: 00 00	BRK #00
\$0DBC: 00 00	BRK #00
\$0DBE: 00 00	BRK #00
\$0DC0: 05 00	ORA a00
\$0DC2: 00 00	BRK #00
\$0DC4: 00 00	BRK #00
\$0DC6: 05 00	ORA a00
\$0DC8: 00 00	BRK #00
\$0DCA: 00 00	BRK #00
\$0DCC: 00 05	BRK #05
\$0DCE: 00 00	BRK #00
\$0DD0: 00 00	BRK #00
\$0DD2: 00 05	a0DD2 BRK #05
\$0DD4: 00 00	BRK #00
\$0DD6: 00 00	BRK #00
\$0DD8: 00 05	BRK #05
\$0DDA: 00 00	BRK #00
\$0DDC: 00 00	BRK #00
\$0DDE: 00 00	BRK #00
\$0DE0: 05 00	ORA a00
\$0DE2: 00 00	BRK #00
\$0DE4: 00 00	BRK #00
\$0DE6: 05 00	ORA a00
\$0DE8: 00 00	BRK #00

\$0DEA: 00 00	BRK # \$00
\$0DEC: 00 05	BRK # \$05
\$0DEE: 00 00	BRK # \$00
\$0DF0: 00 00	BRK # \$00
\$0DF2: 00 05	BRK # \$05
\$0DF4: 00 00	BRK # \$00
\$0DF6: 00 00	BRK # \$00
\$0DF8: 00 05	BRK # \$05
\$0DFA: 00 00	BRK # \$00
\$0DFC: 00 00	BRK # \$00
\$0DFE: 00 00	BRK # \$00
\$0E00: 05 00	f0E00 ORA a00
\$0E02: 00 00	BRK # \$00
\$0E04: 00 00	BRK # \$00
\$0E06: 05 00	ORA a00
\$0E08: 00 00	BRK # \$00
\$0E0A: 00 00	BRK # \$00
\$0E0C: 00 05	BRK # \$05
\$0E0E: 00 00	a0E0E BRK # \$00
\$0E10: 00 00	BRK # \$00
\$0E12: 00 05	BRK # \$05
\$0E14: 00 00	BRK # \$00
\$0E16: 00 00	BRK # \$00
\$0E18: 00 05	BRK # \$05
\$0E1A: 00 00	BRK # \$00

\$0E1C: 00 00	BRK # \$00
\$0E1E: 00 00	BRK # \$00
\$0E20: 05 00	ORA a00
\$0E22: 00 00	BRK # \$00
\$0E24: 00 00	BRK # \$00
\$0E26: 05 00	ORA a00
\$0E28: 00 00	BRK # \$00
\$0E2A: 00 00	BRK # \$00
\$0E2C: 00 05	BRK # \$05
\$0E2E: 00 00	BRK # \$00
\$0E30: 00 00	BRK # \$00
\$0E32: 00 05	BRK # \$05
\$0E34: 00 00	BRK # \$00
\$0E36: 00 00	BRK # \$00
\$0E38: 00 05	BRK # \$05
\$0E3A: 00 00	BRK # \$00
\$0E3C: 00 00	BRK # \$00
\$0E3E: 00 00	BRK # \$00
\$0E40: 05 00	ORA a00
\$0E42: 00 00	BRK # \$00
\$0E44: 00 00	BRK # \$00
\$0E46: 05 00	ORA a00
\$0E48: 00 00	BRK # \$00
\$0E4A: 00 00	BRK # \$00
\$0E4C: 00 05	BRK # \$05

\$0E4E: 00 00	BRK # \$00
\$0E50: 00 00	BRK # \$00
\$0E52: 00 05	BRK # \$05
\$0E54: 00 00	BRK # \$00
\$0E56: 00 00	BRK # \$00
\$0E58: 00 05	BRK # \$05
\$0E5A: 00 00	BRK # \$00
\$0E5C: 00 00	BRK # \$00
\$0E5E: 00 00	BRK # \$00
\$0E60: 05 00	ORA a00
\$0E62: 00 00	BRK # \$00
\$0E64: 00 00	BRK # \$00
\$0E66: 05 00	ORA a00
\$0E68: 00 00	BRK # \$00
\$0E6A: 00 00	BRK # \$00
\$0E6C: 00 05	BRK # \$05
\$0E6E: 00 00	BRK # \$00
\$0E70: 00 00	a0E70 BRK # \$00
\$0E72: 00 05	BRK # \$05
\$0E74: 00 00	BRK # \$00
\$0E76: 00 00	BRK # \$00
\$0E78: 00 05	BRK # \$05
\$0E7A: 00 00	BRK # \$00
\$0E7C: 00 00	BRK # \$00
\$0E7E: 00 00	BRK # \$00

\$0E80: 05 00	ORA a00
\$0E82: 00 00	BRK # \$00
\$0E84: 00 00	BRK # \$00
\$0E86: 05 00	ORA a00
\$0E88: 00 00	BRK # \$00
\$0E8A: 00 00	BRK # \$00
\$0E8C: 00 05	BRK # \$05
\$0E8E: 00 00	BRK # \$00
\$0E90: 00 00	BRK # \$00
\$0E92: 00 05	BRK # \$05
\$0E94: 00 00	BRK # \$00
\$0E96: 00 00	BRK # \$00
\$0E98: 00 05	BRK # \$05
\$0E9A: 00 00	BRK # \$00
\$0E9C: 00 00	BRK # \$00
\$0E9E: 00 00	BRK # \$00
\$0EA0: 05 00	ORA a00
\$0EA2: 00 00	BRK # \$00
\$0EA4: 00 00	BRK # \$00
\$0EA6: 05 00	ORA a00
\$0EA8: 00 00	BRK # \$00
\$0EAA: 00 00	BRK # \$00
\$0EAC: 00 05	BRK # \$05
\$0EAE: 00 00	BRK # \$00
\$0EB0: 00 00	BRK # \$00



\$0EB2: 00 05	BRK # \$05
\$0EB4: 00 00	BRK # \$00
\$0EB6: 00 00	BRK # \$00
\$0EB8: 00 05	BRK # \$05
\$0EBA: 00 00	BRK # \$00
\$0EBC: 00 00	BRK # \$00
\$0EBE: 00 00	BRK # \$00
\$0EC0: 05 00	ORA a00
\$0EC2: 00 00	BRK # \$00
\$0EC4: 00 00	BRK # \$00
\$0EC6: 05 00	ORA a00
\$0EC8: 00 00	BRK # \$00
\$0ECA: 00 00	BRK # \$00
\$0ECC: 00 05	BRK # \$05
\$0ECE: 00 00	BRK # \$00
\$0ED0: 00 00	BRK # \$00
\$0ED2: 00 05	BRK # \$05
\$0ED4: 00 00	BRK # \$00
\$0ED6: 00 00	BRK # \$00
\$0ED8: 00 05	BRK # \$05
\$0EDA: 00 00	BRK # \$00
\$0EDC: 00 00	BRK # \$00
\$0EDE: 00 00	BRK # \$00
\$0EE0: 05 00	ORA a00
\$0EE2: 00 00	BRK # \$00

\$0EE4: 00 00 BRK # \$00

\$0EE6: 05 00 ORA a00

\$0EE8: 00 00 BRK # \$00

\$0EEA: 00 00 BRK # \$00

\$0EEC: 00 05 BRK # \$05

a0EEF =\*+ \$01

\$0EEE: 00 00 BRK # \$00

\$0EF0: 00 00 BRK # \$00

\$0EF2: 00 05 BRK # \$05

\$0EF4: 00 00 BRK # \$00

\$0EF6: 00 00 BRK # \$00

\$0EF8: 00 05 BRK # \$05

\$0EFA: 00 00 BRK # \$00

\$0EFC: 00 00 BRK # \$00

\$0EFE: 00 00 BRK # \$00

a0F01 =\*+ \$01

\$0F00: 05 00 a0F00 ORA a00

\$0F02: 00 00 BRK # \$00

\$0F04: 00 00 BRK # \$00

\$0F06: 05 00 ORA a00

\$0F08: 00 00 BRK # \$00

\$0FOA: 00 00 a0FOA BRK # \$00

\$0FOC: 00 05 BRK # \$05

a0F0F =\*+ \$01

\$0FOE: 00 00 a0FOE BRK # \$00

\$0F10: 00 00	BRK # \$00
\$0F12: 00 05	BRK # \$05
\$0F14: 00 00	BRK # \$00
\$0F16: 00 00	BRK # \$00
\$0F18: 00 05	BRK # \$05
\$0F1A: 00 00	BRK # \$00
\$0F1C: 00 00	BRK # \$00
\$0F1E: 00 00	BRK # \$00
\$0F20: 05 00	f0F20 ORA a00
\$0F22: 00 00	BRK # \$00
\$0F24: 00 00	BRK # \$00
\$0F26: 05 00	ORA a00
	a0F29 =*+\$01
\$0F28: 00 00	BRK # \$00
\$0F2A: 00 00	BRK # \$00
\$0F2C: 00 05	BRK # \$05
\$0F2E: 00 00	BRK # \$00
\$0F30: 00 00	BRK # \$00
\$0F32: 00 05	BRK # \$05
\$0F34: 00 00	BRK # \$00
\$0F36: 00 00	BRK # \$00
\$0F38: 00 05	BRK # \$05
\$0F3A: 00 00	BRK # \$00
\$0F3C: 00 00	BRK # \$00
\$0F3E: 00 00	BRK # \$00

\$0F40: 05 00	ORA a00
\$0F42: 00 00	BRK # \$00
\$0F44: 00 00	BRK # \$00
\$0F46: 05 00	ORA a00
\$0F48: 00 00	BRK # \$00
\$0F4A: 00 00	BRK # \$00
\$0F4C: 00 05	BRK # \$05
\$0F4E: 00 00	BRK # \$00
\$0F50: 00 00	BRK # \$00
\$0F52: 00 05	BRK # \$05
\$0F54: 00 00	BRK # \$00
\$0F56: 00 00	BRK # \$00
\$0F58: 00 05	BRK # \$05
\$0F5A: 00 00	BRK # \$00
\$0F5C: 00 00	BRK # \$00
\$0F5E: 00 00	BRK # \$00
\$0F60: 05 00	ORA a00
\$0F62: 00 00	BRK # \$00
\$0F64: 00 00	BRK # \$00
\$0F66: 05 00	ORA a00
\$0F68: 00 00	BRK # \$00
\$0F6A: 00 00	BRK # \$00
\$0F6C: 00 01	BRK # \$01
\$0F6E: 00 00	BRK # \$00
\$0F70: 00 00	BRK # \$00

\$0F72: 00 05	BRK #05
\$0F74: 00 00	BRK #00
\$0F76: 00 00	BRK #00
\$0F78: 00 01	BRK #01
\$0F7A: 13 00	SLO (p00),Y
\$0F7C: 00 00	BRK #00
\$0F7E: 00 00	BRK #00
\$0F80: 05 00	ORA a00
\$0F82: 00 00	BRK #00
\$0F84: 00 00	BRK #00
\$0F86: 05 00	ORA a00
\$0F88: 00 00	BRK #00
\$0F8A: 00 00	BRK #00
\$0F8C: 00 00	BRK #00
\$0F8E: 00 00	BRK #00
\$0F90: 00 00	BRK #00
\$0F92: 00 05	BRK #05
\$0F94: 00 00	BRK #00
\$0F96: 00 00	BRK #00
\$0F98: 00 00	BRK #00
\$0F9A: 00 00	BRK #00
\$0F9C: 00 00	BRK #00
\$0F9E: 00 00	BRK #00
\$0FA0: 05 00	ORA a00
\$0FA2: 00 00	BRK #00

\$0FA4: 00 00 BRK # \$00  
\$0FA6: 05 00 ORA a00  
\$0FA8: 00 00 BRK # \$00  
\$0FAA: 00 00 BRK # \$00  
\$0FAC: 00 00 BRK # \$00  
\$0FAE: 00 00 BRK # \$00  
\$0FB0: 00 00 BRK # \$00  
\$0FB2: 00 05 BRK # \$05  
\$0FB4: 00 00 BRK # \$00  
\$0FB6: 00 00 BRK # \$00  
\$0FB8: 00 00 BRK # \$00  
\$0FBA: 00 00 BRK # \$00  
\$0FBC: 00 00 BRK # \$00

b0FBF =\*+\$01

\$0FBE: 00 00 BRK # \$00  
\$0FC0: 05 00 ORA a00  
\$0FC2: 00 00 BRK # \$00  
\$0FC4: 00 00 BRK # \$00  
\$0FC6: 05 00 ORA a00  
\$0FC8: 00 00 BRK # \$00  
\$0FCA: 00 00 BRK # \$00  
\$0FCC: 00 00 BRK # \$00  
\$0FCE: 00 00 BRK # \$00

b0FD1 =\*+\$01

\$0FDD: 00 00 BRK # \$00

\$0FD2: 00 05	a0FD2 BRK # \$05
\$0FD4: 00 00	BRK # \$00
\$0FD6: 00 00	BRK # \$00
\$0FD8: 00 00	BRK # \$00
\$0FDA: 00 00	BRK # \$00
\$0FDC: 00 00	BRK # \$00
\$0FDE: 00 00	BRK # \$00
\$0FE0: 05 00	ORA a00
\$0FE2: 00 00	BRK # \$00
\$0FE4: 00 00	BRK # \$00
\$0FE6: 05 00	ORA a00
\$0FE8: 00 00	BRK # \$00
\$0FEA: 00 00	BRK # \$00
\$0FEC: 00 00	BRK # \$00
\$0FEE: 00 00	BRK # \$00
\$0FF0: 00 00	f0FF0 BRK # \$00
\$0FF2: 00 05	BRK # \$05
\$0FF4: 00 00	BRK # \$00
\$0FF6: 22	JAM
\$0FF7: 00 00	BRK # \$00
\$0FF9: 00 00	BRK # \$00
\$0FFB: 00 00	f0FFB BRK # \$00
\$0FFD: 22	JAM
\$0FFE: 00 00	BRK # \$00
\$1000: 40	RTI

\$1001: 00 84      BRK #84  
                  a1004 =\*+\$01  
\$1003: 00 01      BRK #01  
\$1005: 0F 00 01      SLO a0100  
\$1008: 05 69      ORA a69  
\$100A: 03 41      SLO (p41,X)  
\$100C: 02      JAM  
\$100D: 18      CLC  
\$100E: 0A      ASL  
\$100F: 2C 05 68      BIT a6805  
\$1012: 04 02      NOP a02  
\$1014: 0E 14 14      ASL a1414  
\$1017: 06 11      ASL a11  
\$1019: 00 93      BRK #93  
\$101B: 08      PHP  
\$101C: 96 08      STX f08,Y  
\$101E: 98      TYA  
\$101F: 08      PHP  
\$1020: 98      s1020 TYA  
\$1021: 08      PHP  
\$1022: 96 08      STX f08,Y  
\$1024: 98      TYA  
\$1025: 10 98      BPL b0FBF  
\$1027: 08      PHP



\$1028: 10 0A      BPL b1034  
\$102A: 11 00      ORA (p00),Y  
\$102C: 93 08      AHX (p08),Y  
\$102E: 96 08      STX f08,Y  
\$1030: 98          TYA  
\$1031: 08          PHP  
\$1032: 98          TYA  
\$1033: 08          PHP

          b1035 =\*+\$01

\$1034: 96 08    b1034 STX f08,Y  
\$1036: 98          TYA  
\$1037: 10 98      BPL b0FD1  
\$1039: 08          PHP  
\$103A: 1B FD 10    SLO f10FD,Y

          b103E =\*+\$01

\$103D: 04 00      NOP a00  
\$103F: 01 00    b103F ORA (p00,X)  
\$1041: 01 1E      ORA (p1E,X)  
\$1043: 01 00      ORA (p00,X)  
\$1045: 01 14      ORA (p14,X)  
\$1047: 06 03      ASL a03  
\$1049: 41 04      EOR (p04,X)  
\$104B: 02          JAM  
\$104C: 0E 96 02    ASL a0296  
\$104F: 35 0B      AND f0B,X

\$1051: 1E 0A 43 ASL f430A,X

\$1054: 00 08 BRK #08

\$1056: 11 00 ORA (p00),Y

\$1058: AE 08 B0 LDX aB008

\$105B: 08 PHP

\$105C: A9 08 LDA #08

\$105E: AB 08 LAX #08

\$1060: A4 10 LDY a10

\$1062: A4 10 LDY a10

\$1064: 10 03 BPL b1069

\$1066: 00 20 BRK #20

b1069 =\*+\$01

\$1068: AB 08 LAX #08

\$106A: B0 08 BCS b1074

\$106C: B7 08 LAX f08,Y

\$106E: B5 28 LDA f28,X

\$1070: B5 10 LDA f10,X

s1073 =\*+\$01

\$1072: B7 48 LAX f48,Y

\$1074: BA b1074 TSX

\$1075: 28 PLP

\$1076: BA TSX

\$1077: 10 BC BPL b1035

\$1079: 48 PHA

b107C =\*+\$02

\$107A: BE 28 BE LDX fBE28,Y

\$107D: 10 BF BPL b103E

\$107F: 50 11 BVC b1092

\$1081: 01 00 ORA (p00,X)

\$1083: FE 10 FF INC fFF10,X

\$1086: 00 01 BRK #01

\$1088: 00 01 BRK #01

\$108A: 03 00 SLO (p00,X)

\$108C: 02 JAM

\$108D: 35 0A AND f0A,X

\$108F: 43 04 SRE (p04,X)

b1092 =\*+\$01

\$1091: 01 0E s1091 ORA (p0E,X)

\$1093: 32 JAM

\$1094: 14 06 NOP f06,X

\$1096: 20 1E 11 JSR s111E

\$1099: 00 93 BRK #93

\$109B: 08 PHP

b109D =\*+\$01

\$109C: 96 08 STX f08,Y

\$109E: 98 TYA

\$109F: 08 PHP

\$10A0: 98 TYA

\$10A1: 08 PHP

\$10A2: 96 08 STX f08,Y

\$10A4: 98 TYA  
b10A6 =\*+\$01  
\$10A5: 10 98 BPL b103F  
\$10A7: 08 PHP  
a10A9 =\*+\$01  
\$10A8: 10 03 BPL b10AD  
\$10AA: 93 08 AHX (p08),Y  
b10AD =\*+\$01  
\$10AC: 96 08 STX f08,Y  
\$10AE: 98 TYA  
\$10AF: 08 PHP  
\$10B0: 98 TYA  
\$10B1: 08 PHP  
b10B3 =\*+\$01  
\$10B2: B0 FF BCS b10B3  
\$10B4: 96 08 STX f08,Y  
\$10B6: 03 41 SLO (p41,X)  
\$10B8: 04 02 NOP a02  
\$10BA: 0E 28 03 ASL ROM\_STOPi  
\$10BD: 41 A7 EOR (pA7,X)  
\$10BF: 08 PHP  
\$10C0: AB 08 LAX #\$08  
a10C3 =\*+\$01  
\$10C2: B3 08 LAX (p08),Y  
\$10C4: B2 JAM

\$10C5: 28	PLP
\$10C6: B2	JAM
\$10C7: 10 B3	BPL b107C
\$10C9: 10 03	BPL b10CE
\$10CB: 11 02	ORA (p02),Y
b10CE =*+\$01	
\$10CD: 1F 0D 14	SLO f140D,X
\$10D0: B3 38	LAX (p38),Y
\$10D2: 06 02	ASL a02
\$10D4: 0F 01 08	SLO p0801
\$10D7: 01 03	ORA (p03,X)
\$10D9: 41 02	EOR (p02,X)
\$10DB: 35 B6	AND fB6,X
\$10DD: 28	PLP
\$10DE: 08	PHP
\$10DF: 00 0F	BRK #0F
\$10E1: 00 B6	BRK #B6
\$10E3: 10 B8	BPL b109D
\$10E5: 48	PHA
\$10E6: BA	TSX
\$10E7: 28	PLP
\$10E8: BA	TSX
\$10E9: 10 BB	BPL b10A6
\$10EB: 50 11	BVC b10FE
\$10ED: 01 00	ORA (p00,X)

```

$10EF: FE 10 FF      INC fFF10,X
$10F2: 00 01      BRK #01
$10F4: A4 02      LDY a02
$10F6: 01 20      ORA (p20,X)
$10F8: 01 20      ORA (p20,X)
$10FA: 31 80      f10FA AND (p80),Y
                f10FD =*+$01
$10FC: 00 80      BRK #80
$10FE: 4C 2F 9D      b10FE JMP j9D2F

$1101: 4C 77 A8      p1101 JMP jA877

$1104: 20 DE 95      JSR s95DE
$1107: 4C 2F 9D      JMP j9D2F

$110A: AD 59 9E      LDA a9E59
                a110E =*+$01
$110D: 29 07      AND #07
$110F: F0 01      BEQ b1112
$1111: 60      RTS

$1112: AD C0 A3      b1112 LDA aA3C0
$1115: 4A      LSR
$1116: 8D F2 80      STA a80F2
$1119: A9 09      LDA #>p090F

```

```

$111B: 8D F4 80    STA a80F4
$111E: A9 0F    s111E LDA #<p090F
$1120: 8D F3 80    STA a80F3
$1123: AD BE A3    LDA aA3BE
$1126: 4A        LSR
$1127: 8D F1 80    STA a80F1
$112A: AE F2 80  b112A LDX a80F2
$112D: AC F1 80    LDY a80F1
$1130: BD 70 A9    LDA fA970,X
$1133: 85 8E      STA a8E
$1135: BD 90 A9    LDA fA990,X
$1138: 85 8F      STA a8F
$113A: B1 8E      LDA (p8E),Y
$113C: 38        SEC
$113D: E9 20      SBC #20
$113F: 90 15      BCC b1156
$1141: C9 0F      CMP #0F
$1143: B0 11      BCS b1156
$1145: 8D F0 80    STA a80F0
$1148: AD 04 DC    LDA $DC04 ;CIA1: Timer A: Low-Byte
$114B: 29 07      AND #07
$114D: AA        TAX
$114E: 20 69 80    JSR s8069
$1151: D0 03      BNE b1156

a1155 =*+$02

```

\$1153: 20 8C 80 JSR s808C  
\$1156: EE F1 80 b1156 INC a80F1  
\$1159: CE F3 80 DEC a80F3  
\$115C: 10 CC BPL b112A  
\$115E: EE F2 80 INC a80F2  
\$1161: CE F4 80 DEC a80F4  
\$1164: 10 B8 BPL s111E  
\$1166: 60 RTS  
  
\$1167: BD E0 80 LDA f80E0,X  
\$116A: 18 CLC  
\$116B: 6D F1 80 ADC a80F1  
\$116E: 29 1F AND #\$1F  
\$1170: 0A ASL  
\$1171: 0A ASL  
\$1172: 8D FC 88 STA a88FC  
\$1175: BD E8 80 LDA f80E8,X  
\$1178: 18 CLC  
\$1179: 6D F2 80 ADC a80F2  
\$117C: 29 1F AND #\$1F  
\$117E: 0A ASL  
\$117F: 0A ASL  
\$1180: 8D FD 88 STA a88FD  
\$1183: 20 42 88 JSR s8842  
\$1186: 20 A9 88 JSR s88A9



\$1189: 60	RTS
\$118A: AC 5C 9E	LDY a9E5C
\$118D: C0 C0	CPY #\$C0
\$118F: B0 3D	BCS b11CE
\$1191: C8	INY
\$1192: 8C 5C 9E	STY a9E5C
\$1195: AD F1 80	LDA a80F1
\$1198: 18	CLC
\$1199: 7D E0 80	ADC f80E0,X
\$119C: 29 1F	AND #\$1F
\$119E: 0A	ASL
\$119F: 8D FC 88	STA a88FC
\$11A2: 0A	ASL
\$11A3: 99 00 C4	STA fc400,Y
\$11A6: AD F2 80	LDA a80F2
\$11A9: 18	CLC
\$11AA: 7D E8 80	ADC f80E8,X
\$11AD: 29 1F	AND #\$1F
\$11AF: 0A	ASL
\$11B0: 8D FD 88	STA a88FD
\$11B3: 0A	ASL
\$11B4: 99 C0 C4	STA fc4C0,Y
\$11B7: AE F0 80	LDX a80F0
\$11BA: BD D1 80	LDA f80D1,X

\$11BD: 99 80 C5	STA fC580,Y
\$11C0: A9 00	LDA #\$00
\$11C2: 99 40 C6	STA fC640,Y
\$11C5: 20 61 88	JSR s8861
\$11C8: 20 F4 9A	JSR s9AF4
\$11CB: 20 89 9A	JSR s9A89
\$11CE: 60	b11CE RTS
\$11CF: 00 40	BRK #\$40
\$11D1: 80 08	NOP #\$08
\$11D3: 48	PHA
\$11D4: 88	DEY
\$11D5: 10 50	BPL b1227
\$11D7: 90 18	BCC b11F1
\$11D9: 58	CLI
\$11DA: 98	TYA
\$11DB: 20 60 A0	JSR sA060
\$11DE: 00 01	BRK #\$01
\$11E0: 01 01	ORA (p01,X)
\$11E2: 00 FF	BRK #\$FF
\$11E4: FF FF 01	ISC f01FF,X
\$11E7: 01 00	ORA (p00,X)
\$11E9: FF FF FF	ISC fFFFF,X ;IRQ
\$11EC: 00 01	BRK #\$01
\$11EE: 00 00	BRK #\$00

b11F1 =\*+\$01

\$11F0: 00 00 BRK #\$00

\$11F2: 00 00 BRK #\$00

\$11F4: A9 0F LDA #\$0F

\$11F6: 8D 22 D0 STA \$D022 ;Background Color 1, Multi-Color Register 0

\$11F9: A9 00 LDA #\$00

\$11FB: 00 00 BRK #\$00

\$11FD: 00 00 BRK #\$00

\$11FF: 00 00 BRK #\$00

\$1201: 00 00 BRK #\$00

\$1203: 00 00 BRK #\$00

\$1205: 00 00 BRK #\$00

\$1207: 00 00 BRK #\$00

\$1209: 00 00 BRK #\$00

\$120B: 00 00 BRK #\$00

\$120D: 00 00 BRK #\$00

\$120F: 00 00 BRK #\$00

\$1211: 00 00 a1211 BRK #\$00

\$1213: 00 00 BRK #\$00

\$1215: 00 00 BRK #\$00

s1218 =\*+\$01

\$1217: 00 00 BRK #\$00

\$1219: 00 00 BRK #\$00

\$121B: 00 00 BRK #\$00

\$121D: 00 00 BRK #\$00

\$121F: 00 00	BRK # \$00
\$1221: 00 00	BRK # \$00
\$1223: 00 00	BRK # \$00
\$1225: 00 00	BRK # \$00
\$1227: 00 00	b1227 BRK # \$00
\$1229: 00 00	BRK # \$00
\$122B: 00 00	BRK # \$00
\$122D: 00 00	BRK # \$00
\$122F: 00 00	BRK # \$00
\$1231: 00 00	BRK # \$00
\$1233: 00 00	BRK # \$00
\$1235: 00 00	BRK # \$00
\$1237: 00 00	BRK # \$00
\$1239: 00 00	BRK # \$00
\$123B: 00 00	BRK # \$00
\$123D: 00 00	BRK # \$00
\$123F: 00 00	BRK # \$00
\$1241: 00 00	BRK # \$00
\$1243: 00 00	BRK # \$00
\$1245: 00 00	BRK # \$00
\$1247: 00 00	BRK # \$00
\$1249: 00 00	BRK # \$00
\$124B: 00 00	BRK # \$00
\$124D: 00 00	BRK # \$00
\$124F: 00 00	BRK # \$00

\$1251: 00 00	BRK # \$00
\$1253: 00 00	BRK # \$00
\$1255: 00 00	BRK # \$00
\$1257: 00 00	BRK # \$00
\$1259: 00 00	BRK # \$00
\$125B: 00 00	BRK # \$00
\$125D: 00 00	BRK # \$00
\$125F: 00 00	BRK # \$00
\$1261: 00 00	BRK # \$00
\$1263: 00 00	BRK # \$00
\$1265: 00 00	BRK # \$00
\$1267: 00 00	BRK # \$00
\$1269: 00 00	BRK # \$00
\$126B: 00 00	BRK # \$00
\$126D: 00 00	BRK # \$00
\$126F: 00 00	BRK # \$00
\$1271: 00 00	BRK # \$00
\$1273: 00 00	BRK # \$00
\$1275: 00 00	BRK # \$00
\$1277: 00 00	BRK # \$00
\$1279: 00 00	BRK # \$00
\$127B: 00 00	BRK # \$00
\$127D: 00 00	BRK # \$00
\$127F: 00 00	BRK # \$00
\$1281: 00 00	BRK # \$00

\$1283: 00 00	BRK # \$00
\$1285: 00 00	BRK # \$00
\$1287: 00 00	BRK # \$00
\$1289: 00 00	BRK # \$00
\$128B: 00 00	BRK # \$00
\$128D: 00 00	BRK # \$00
\$128F: 00 00	BRK # \$00
\$1291: 00 00	BRK # \$00
\$1293: 00 00	BRK # \$00
\$1295: 00 00	BRK # \$00
\$1297: 00 00	BRK # \$00
\$1299: 00 00	BRK # \$00
\$129B: 00 00	BRK # \$00
\$129D: 00 00	BRK # \$00
\$129F: 00 00	BRK # \$00
\$12A1: 00 00	BRK # \$00
\$12A3: 00 00	BRK # \$00
\$12A5: 00 00	BRK # \$00
\$12A7: 00 00	BRK # \$00
\$12A9: 00 00	BRK # \$00
\$12AB: 00 00	BRK # \$00
\$12AD: 00 00	BRK # \$00
\$12AF: 00 00	BRK # \$00
\$12B1: 00 00	BRK # \$00
\$12B3: 00 00	BRK # \$00

\$12B5: 00 00	BRK # \$00
\$12B7: 00 00	BRK # \$00
\$12B9: 00 00	BRK # \$00
\$12BB: 00 00	BRK # \$00
\$12BD: 00 00	BRK # \$00
\$12BF: 00 00	BRK # \$00
\$12C1: 00 00	BRK # \$00
\$12C3: 00 00	BRK # \$00
\$12C5: 00 00	BRK # \$00
\$12C7: 00 00	BRK # \$00
\$12C9: 00 00	BRK # \$00
\$12CB: 00 00	BRK # \$00
\$12CD: 00 00	BRK # \$00
\$12CF: 00 00	BRK # \$00
\$12D1: 00 00	BRK # \$00
\$12D3: 00 00	BRK # \$00
\$12D5: 00 00	BRK # \$00
\$12D7: 00 00	BRK # \$00
\$12D9: 00 00	BRK # \$00
\$12DB: 00 00	BRK # \$00
\$12DD: 00 00	BRK # \$00
\$12DF: 00 00	BRK # \$00
\$12E1: 00 00	BRK # \$00
\$12E3: 00 00	BRK # \$00
\$12E5: 00 00	BRK # \$00

\$12E7: 00 00 BRK # \$00  
\$12E9: 00 00 BRK # \$00  
\$12EB: 00 00 BRK # \$00  
\$12ED: 00 00 BRK # \$00  
\$12EF: 00 00 BRK # \$00  
\$12F1: 00 00 BRK # \$00  
\$12F3: 00 00 BRK # \$00  
\$12F5: 00 00 BRK # \$00  
\$12F7: 00 00 BRK # \$00  
\$12F9: 00 00 BRK # \$00  
\$12FB: 00 00 BRK # \$00  
\$12FD: 00 00 BRK # \$00  
\$12FF: 00 00 BRK # \$00  
\$1301: 00 00 BRK # \$00

f1304 =\*+\$01

\$1303: 00 00 BRK # \$00  
\$1305: 00 00 BRK # \$00  
\$1307: 00 00 BRK # \$00  
\$1309: 00 00 BRK # \$00  
\$130B: 00 00 BRK # \$00  
\$130D: 00 00 BRK # \$00  
\$130F: 00 00 BRK # \$00  
\$1311: 00 00 p1311 BRK # \$00  
\$1313: 00 00 BRK # \$00  
\$1315: 00 00 BRK # \$00



\$1317: 00 00 BRK # \$00

\$1319: 00 00 BRK # \$00

\$131B: 00 00 BRK # \$00

\$131D: 00 00 BRK # \$00

a1320 =\*+ \$01

\$131F: 00 00 BRK # \$00

\$1321: 00 00 BRK # \$00

\$1323: 00 00 BRK # \$00

\$1325: 00 00 BRK # \$00

\$1327: 00 00 BRK # \$00

\$1329: 00 00 BRK # \$00

\$132B: 00 00 BRK # \$00

\$132D: 00 00 BRK # \$00

\$132F: 00 00 BRK # \$00

\$1331: 00 00 BRK # \$00

\$1333: 00 00 BRK # \$00

\$1335: 00 00 BRK # \$00

\$1337: 00 00 BRK # \$00

\$1339: 00 00 BRK # \$00

\$133B: 00 00 BRK # \$00

\$133D: 00 00 BRK # \$00

\$133F: 00 00 BRK # \$00

\$1341: 00 00 BRK # \$00

\$1343: 00 00 BRK # \$00

\$1345: 00 00 BRK # \$00

\$1347: 00 00	BRK # \$00
\$1349: 00 00	BRK # \$00
\$134B: 00 00	BRK # \$00
\$134D: 00 00	BRK # \$00
\$134F: 00 00	BRK # \$00
\$1351: 00 00	BRK # \$00
\$1353: 00 00	BRK # \$00
\$1355: 00 00	BRK # \$00
\$1357: 00 00	BRK # \$00
\$1359: 00 00	BRK # \$00
\$135B: 00 00	BRK # \$00
\$135D: 00 00	BRK # \$00
\$135F: 00 00	BRK # \$00
\$1361: 00 00	BRK # \$00
\$1363: 00 00	BRK # \$00
\$1365: 00 00	BRK # \$00
\$1367: 00 00	BRK # \$00
\$1369: 00 00	BRK # \$00
\$136B: 00 00	BRK # \$00
\$136D: 00 00	BRK # \$00
\$136F: 00 00	BRK # \$00
\$1371: 00 00	BRK # \$00
\$1373: 00 00	BRK # \$00
\$1375: 00 00	BRK # \$00
\$1377: 00 00	BRK # \$00

\$1379: 00 00 BRK #\$00

\$137B: 00 00 BRK #\$00

\$137D: 00 00 BRK #\$00

\$137F: 00 00 BRK #\$00

\$1381: 00 00 BRK #\$00

a1384 =\*+\$01

\$1383: 00 00 BRK #\$00

\$1385: 00 00 BRK #\$00

\$1387: 00 4C BRK #\$4C

\$1389: 99 14 4C STA f4C14,Y

\$138C: 91 13 STA (p13),Y

a138F =\*+\$01

\$138E: 4C A6 13 JMP j13A6

\$1391: 20 8E 14 JSR s148E

\$1394: C9 00 CMP #\$00

\$1396: F0 0D BEQ b13A5

\$1398: 48 b1398 PHA

\$1399: A9 00 LDA #\$00

\$139B: A8 TAY

\$139C: 20 9C 14 s139C JSR s149C

\$139F: 68 PLA

\$13A0: 38 SEC

\$13A1: E9 01 SBC #\$01

\$13A3: D0 F3 BNE b1398

```

$13A5: 60      b13A5 RTS

$13A6: 20 8E 14 j13A6 JSR s148E

$13A9: 8D 05 04      STA a0405

$13AC: 8C 06 04      STY a0406

$13AF: 20 8E 14      JSR s148E

$13B2: 8D 03 04      STA a0403

$13B5: 8C 04 04      STY a0404

$13B8: 78           SEI

$13B9: A9 03        LDA #$03

$13BB: 8D 02 04      STA a0402

$13BE: AD 00 DD      LDA $DD00 ;CIA2: Data Port Register A

$13C1: 09 04        ORA #$04

$13C3: 8D 0D 04      STA a040D

$13C6: 8D 00 DD      STA $DD00 ;CIA2: Data Port Register A

$13C9: AD 20 D0      LDA $D020 ;Border Color

$13CC: 48           PHA

$13CD: AD 11 D0      LDA $D011 ;VIC Control Register 1

$13D0: 29 EF        AND #$EF

$13D2: 8D 11 D0      STA $D011 ;VIC Control Register 1

$13D5: 20 6A 15      JSR s156A

$13D8: A9 04        LDA #>a0402

$13DA: 85 FC        STA aFC

$13DC: A9 02        LDA #<a0402

$13DE: 85 FB        STA aFB

```

\$13E0: A0 00 LDY #00  
\$13E2: B1 FB b13E2 LDA (pFB),Y  
\$13E4: 20 2A 14 JSR s142A  
\$13E7: C8 INY  
\$13E8: C0 09 CPY #09  
\$13EA: D0 F6 BNE b13E2  
\$13EC: A0 00 LDY #00  
\$13EE: AD 05 04 LDA a0405  
\$13F1: 85 FB STA aFB  
\$13F3: AD 06 04 LDA a0406  
\$13F6: 85 FC STA aFC  
\$13F8: AD 03 04 b13F8 LDA a0403  
\$13FB: F0 06 BEQ b1403  
\$13FD: CE 03 04 DEC a0403  
\$1400: 4C 0E 14 JMP j140E  
  
\$1403: CE 03 04 b1403 DEC a0403  
\$1406: AD 04 04 LDA a0404  
\$1409: F0 11 BEQ b141C  
f140D =\*+\$02  
\$140B: CE 04 04 DEC a0404  
\$140E: B1 FB j140E LDA (pFB),Y  
\$1410: 20 2A 14 JSR s142A  
a1414 =\*+\$01  
\$1413: E6 FB INC aFB

\$1415: D0 E1      BNE b13F8  
\$1417: E6 FC      INC aFC  
\$1419: 4C F8 13    JMP b13F8

f141D =\*+\$01

\$141C: AD 11 D0    b141C LDA \$D011 ;VIC Control Register 1

\$141F: 09 10      ORA #\$10

\$1421: 8D 11 D0    STA \$D011 ;VIC Control Register 1

\$1424: 68          PLA

\$1425: 8D 20 D0    STA \$D020 ;Border Color

\$1428: 58          CLI

\$1429: 60          RTS

\$142A: 49 FF    s142A EOR #\$FF

\$142C: 48          PHA

\$142D: AD 0D 04    LDA a040D

\$1430: 8D 00 DD    STA \$DD00 ;CIA2: Data Port Register A

\$1433: A9 20      LDA #\$20

\$1435: 8D 0B 04    STA a040B

\$1438: 18          CLC

\$1439: 68          PLA

\$143A: 2A          ROL

\$143B: 2E 0B 04    ROL a040B

\$143E: 2A          ROL

\$143F: 2E 0B 04    ROL a040B

\$1442: 8D 0C 04 STA a040C  
\$1445: A9 02 LDA #\$02  
\$1447: 8D 03 DD STA \$DD03 ;CIA2: Data Direction Register B  
\$144A: A9 04 LDA #\$04  
\$144C: 8D 02 DD STA \$DD02 ;CIA2: Data Direction Register A  
\$144F: 2C 01 DD b144F BIT \$DD01 ;CIA2: Data Port Register B  
\$1452: 50 FB BVC b144F  
\$1454: AD 00 DD LDA \$DD00 ;CIA2: Data Port Register A  
\$1457: 29 FB AND #\$FB  
\$1459: 8D 00 DD STA \$DD00 ;CIA2: Data Port Register A  
\$145C: 20 88 14 b145C JSR s1488  
\$145F: AD 0C 04 LDA a040C  
\$1462: 29 04 AND #\$04  
\$1464: 4D 0D 04 EOR a040D  
\$1467: 8D 00 DD STA \$DD00 ;CIA2: Data Port Register A  
\$146A: 4E 0B 04 LSR a040B  
\$146D: 6E 0C 04 ROR a040C  
\$1470: AD 0B 04 LDA a040B  
\$1473: D0 E7 BNE b145C  
\$1475: 20 88 14 JSR s1488  
\$1478: AD 0D 04 LDA a040D  
\$147B: 8D 00 DD STA \$DD00 ;CIA2: Data Port Register A  
\$147E: 20 88 14 JSR s1488  
\$1481: 20 88 14 JSR s1488  
\$1484: EE 20 D0 INC \$D020 ;Border Color

\$1487: 60            RTS

\$1488: A2 0C    s1488 LDX #\$0C

\$148A: CA        b148A DEX

\$148B: D0 FD            BNE b148A

\$148D: 60            RTS

\$148E: 20 86 AE   s148E JSR sAE86

\$1491: 20 9B BC        JSR sBC9B

\$1494: A5 65            LDA a65

\$1496: A4 64            LDY a64

\$1498: 60            RTS

\$1499: 20 8E 14        JSR s148E

\$149C: 8D 00 04   s149C STA a0400

\$149F: 8C 01 04        STY a0401

\$14A2: 78            SEI

\$14A3: A9 03            LDA #\$03

\$14A5: 8D 02 04        STA a0402

\$14A8: AD 20 D0        LDA \$D020 ;Border Color

\$14AB: 48            PHA

\$14AC: AD 11 D0        LDA \$D011 ;VIC Control Register 1

\$14AF: 29 EF            AND #\$EF

\$14B1: 8D 11 D0        STA \$D011 ;VIC Control Register 1

\$14B4: A9 02            LDA #<a0402



\$14B6: 85 FB STA aFB  
\$14B8: A9 04 LDA #>a0402  
\$14BA: 85 FC STA aFC  
\$14BC: A0 00 LDY #00  
\$14BE: 20 21 15 b14BE JSR s1521  
\$14C1: AD 0B 04 LDA a040B  
\$14C4: 91 FB STA (pFB),Y  
\$14C6: C8 INY  
\$14C7: C0 09 CPY #09  
\$14C9: D0 F3 BNE b14BE  
\$14CB: AD 00 04 LDA a0400  
\$14CE: 0D 01 04 ORA a0401  
\$14D1: F0 0D BEQ b14E0  
\$14D3: AD 00 04 LDA a0400  
\$14D6: A0 03 LDY #03  
\$14D8: 91 FB STA (pFB),Y  
\$14DA: C8 INY  
\$14DB: AD 01 04 LDA a0401  
\$14DE: 91 FB STA (pFB),Y  
\$14E0: A0 00 b14E0 LDY #00  
\$14E2: AD 05 04 LDA a0405  
\$14E5: 85 FB STA aFB  
\$14E7: AD 06 04 LDA a0406  
\$14EA: 85 FC STA aFC  
\$14EC: AD 03 04 b14EC LDA a0403

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$14EF: F0 06      BEQ b14F7
$14F1: CE 03 04   DEC a0403
$14F4: 4C 02 15   JMP j1502

$14F7: CE 03 04   b14F7 DEC a0403
$14FA: AD 04 04   LDA a0404
$14FD: F0 14     s14FD BEQ b1513
                f1500 =*+$01
$14FF: CE 04 04   DEC a0404
$1502: 20 21 15  j1502 JSR s1521
$1505: AD 0B 04   LDA a040B
$1508: 91 FB     STA (pFB),Y
$150A: E6 FB     INC aFB
$150C: D0 DE     BNE b14EC
$150E: E6 FC     INC aFC
$1510: 4C EC 14   JMP b14EC

$1513: AD 11 D0   b1513 LDA $D011 ;VIC Control Register 1
$1516: 09 10     ORA #$10
$1518: 8D 11 D0   STA $D011 ;VIC Control Register 1
$151B: 68        PLA
                f151E =*+$02
$151C: 8D 20 D0   STA $D020 ;Border Color
$151F: 58        CLI
$1520: 60        RTS

```

```

$1521: A9 02    s1521 LDA #$02
$1523: 8D 03 DD    STA $DD03 ;CIA2: Data Direction Register B
$1526: A9 02    LDA #$02
$1528: 8D 01 DD    STA $DD01 ;CIA2: Data Port Register B
$152B: A9 80    LDA #$80
$152D: 8D 0B 04    STA a040B
$1530: AD 01 DD b1530 LDA $DD01 ;CIA2: Data Port Register B
$1533: 29 01    AND #$01
$1535: F0 F9    BEQ b1530
$1537: 20 64 15 j1537 JSR s1564
$153A: AD 01 DD    LDA $DD01 ;CIA2: Data Port Register B
$153D: 6A    ROR
$153E: 6E 0B 04    ROR a040B
$1541: B0 03    BCS b1546
$1543: 4C 37 15    JMP j1537

$1546: AD 01 DD b1546 LDA $DD01 ;CIA2: Data Port Register B
$1549: 29 FD    AND #$FD
$154B: 8D 01 DD    STA $DD01 ;CIA2: Data Port Register B
$154E: 20 64 15    JSR s1564
$1551: AD 01 DD    LDA $DD01 ;CIA2: Data Port Register B
$1554: 6A    ROR
$1555: 6E 0B 04    ROR a040B

f155A =*+$02

```

\$1558: AD 0B 04 LDA a040B  
\$155B: 49 FF EOR #\$FF  
\$155D: 8D 0B 04 STA a040B  
\$1560: EE 20 D0 INC \$D020 ;Border Color  
\$1563: 60 RTS

\$1564: A2 0D s1564 LDX #\$0D  
\$1566: CA b1566 DEX  
\$1567: D0 FD BNE b1566  
\$1569: 60 RTS

\$156A: A0 00 s156A LDY #\$00  
\$156C: 20 64 15 b156C JSR s1564  
\$156F: 88 DEY  
\$1570: D0 FA BNE b156C  
\$1572: 60 b1572 RTS

\$1573: EB 00 SBC #\$00  
\$1575: FF 00 EF ISC fEF00,X  
\$1578: 00 FF BRK #\$FF  
\$157A: 00 F3 BRK #\$F3  
\$157C: 10 F4 BPL b1572  
\$157E: 00 F3 BRK #\$F3  
\$1580: 00 FF BRK #\$FF  
\$1582: 00 FF BRK #\$FF

\$1584: 40	RTI
\$1585: FF 00 FF	ISC fff00,X
\$1588: 00 FF	BRK # \$FF
\$158A: 00 FF	BRK # \$FF
\$158C: 00 FF	BRK # \$FF
\$158E: 00 FF	BRK # \$FF
\$1590: 00 FF	BRK # \$FF
\$1592: 00 FF	BRK # \$FF
\$1594: C0 BF	CPY # \$BF
\$1596: 00 7F	BRK # \$7F
\$1598: 00 FF	BRK # \$FF
\$159A: 00 FF	BRK # \$FF
\$159C: 40	RTI
\$159D: 7F 00 FF	RRA fff00,X
\$15A0: 00 FF	BRK # \$FF
\$15A2: 00 FF	BRK # \$FF
\$15A4: 00 FF	BRK # \$FF
\$15A6: 00 BF	BRK # \$BF
\$15A8: 00 FF	BRK # \$FF
\$15AA: 00 FF	BRK # \$FF
\$15AC: 00 FF	BRK # \$FF
\$15AE: 00 FF	BRK # \$FF
\$15B0: 00 FF	BRK # \$FF

\$15B2: 00 FF BRK # \$FF

\$15B4: 40 RTI

\$15B5: FF 40 BF ISC fBF40,X

\$15B8: 00 FF BRK # \$FF

\$15BA: 00 FF BRK # \$FF

\$15BC: 40 RTI

\$15BD: BF 2E FF LAX fFF2E,Y

\$15C0: 00 FF BRK # \$FF

\$15C2: 00 FF BRK # \$FF

a15C5 =\*+\$01

\$15C4: 00 FF BRK # \$FF

\$15C6: 00 FB BRK # \$FB

\$15C8: 00 FF BRK # \$FF

\$15CA: 00 FF BRK # \$FF

\$15CC: 00 FF BRK # \$FF

\$15CE: 00 FF BRK # \$FF

\$15D0: 00 FF BRK # \$FF

\$15D2: 00 FF BRK # \$FF

\$15D4: 00 FF BRK # \$FF

\$15D6: 00 FF BRK # \$FF

\$15D8: 00 FF BRK # \$FF

\$15DA: 00 FF BRK # \$FF

\$15DC: 00 FF BRK # \$FF

\$15DE: 00 FF BRK #\$FF  
\$15E0: 00 FF BRK #\$FF  
\$15E2: 00 FF BRK #\$FF  
\$15E4: 00 FF BRK #\$FF  
\$15E6: 00 E7 BRK #\$E7  
\$15E8: 00 FF BRK #\$FF  
\$15EA: 00 FF BRK #\$FF  
\$15EC: 00 FF BRK #\$FF  
\$15EE: 00 FF BRK #\$FF

f15F1 =\*+\$01

\$15F0: 00 FF BRK #\$FF  
\$15F2: 00 FF BRK #\$FF  
\$15F4: 00 FF BRK #\$FF  
\$15F6: 00 FF BRK #\$FF  
\$15F8: 00 FF BRK #\$FF  
\$15FA: 20 FF 00 JSR e00FF  
\$15FD: FF EC 00 ISC f00EC,X  
\$1600: 00 00 a1600 BRK #\$00  
\$1602: 00 00 BRK #\$00  
\$1604: 00 00 BRK #\$00  
\$1606: 00 00 BRK #\$00  
\$1608: 00 00 BRK #\$00  
\$160A: 00 00 BRK #\$00  
\$160C: 00 00 BRK #\$00  
\$160E: 00 00 BRK #\$00

\$1610: 00 00	BRK # \$00
\$1612: 00 00	BRK # \$00
\$1614: 00 00	BRK # \$00
\$1616: 00 00	BRK # \$00
\$1618: 00 00	BRK # \$00
\$161A: 00 00	BRK # \$00
\$161C: 00 00	BRK # \$00
\$161E: 00 00	BRK # \$00
\$1620: 00 00	BRK # \$00
\$1622: 00 00	BRK # \$00
\$1624: 00 00	s1624 BRK # \$00
\$1626: 00 00	BRK # \$00
\$1628: 00 00	BRK # \$00
\$162A: 00 00	BRK # \$00
\$162C: 00 00	BRK # \$00
\$162E: 00 00	BRK # \$00
\$1630: 00 00	BRK # \$00
\$1632: 00 00	BRK # \$00
\$1634: 00 00	BRK # \$00
\$1636: 00 00	BRK # \$00
\$1638: 00 00	BRK # \$00
\$163A: 00 00	BRK # \$00
\$163C: 00 00	BRK # \$00
\$163E: 00 00	BRK # \$00
\$1640: 00 00	BRK # \$00



\$1642: 00 00	BRK # \$00
\$1644: 00 00	BRK # \$00
\$1646: 00 00	BRK # \$00
\$1648: 00 00	BRK # \$00
\$164A: 00 00	BRK # \$00
\$164C: 00 00	BRK # \$00
\$164E: 00 00	BRK # \$00
\$1650: 00 00	BRK # \$00
\$1652: 00 00	BRK # \$00
\$1654: 00 00	BRK # \$00
\$1656: 00 00	BRK # \$00
\$1658: 00 00	BRK # \$00
\$165A: 00 00	BRK # \$00
\$165C: 00 00	BRK # \$00
\$165E: 00 00	BRK # \$00
\$1660: 00 00	BRK # \$00
\$1662: 00 00	BRK # \$00
\$1664: 00 00	BRK # \$00
\$1666: 00 00	BRK # \$00
\$1668: 00 00	BRK # \$00
\$166A: 00 00	BRK # \$00
\$166C: 00 00	BRK # \$00
\$166E: 00 00	BRK # \$00
\$1670: 00 00	BRK # \$00
\$1672: 00 00	BRK # \$00

\$1674: 00 00	BRK # \$00
\$1676: 00 00	BRK # \$00
\$1678: 00 00	BRK # \$00
\$167A: 00 00	BRK # \$00
\$167C: 00 00	BRK # \$00
\$167E: 00 00	BRK # \$00
\$1680: 00 00	BRK # \$00
\$1682: 00 00	BRK # \$00
\$1684: 00 00	BRK # \$00
\$1686: 00 00	BRK # \$00
\$1688: 00 00	BRK # \$00
\$168A: 00 00	BRK # \$00
\$168C: 00 00	BRK # \$00
\$168E: 00 00	BRK # \$00
\$1690: 00 00	BRK # \$00
\$1692: 00 00	BRK # \$00
\$1694: 00 00	BRK # \$00
\$1696: 00 00	BRK # \$00
\$1698: 00 00	BRK # \$00
\$169A: 00 00	BRK # \$00
\$169C: 00 00	BRK # \$00
\$169E: 00 00	BRK # \$00
\$16A0: 00 00	BRK # \$00
\$16A2: 00 00	BRK # \$00
\$16A4: 00 00	BRK # \$00

\$16A6: 00 00	BRK # \$00
\$16A8: 00 00	BRK # \$00
\$16AA: 00 00	BRK # \$00
\$16AC: 00 00	BRK # \$00
\$16AE: 00 00	BRK # \$00
\$16B0: 00 00	BRK # \$00
\$16B2: 00 00	BRK # \$00
\$16B4: 00 00	BRK # \$00
\$16B6: 00 00	BRK # \$00
\$16B8: 00 00	BRK # \$00
\$16BA: 00 00	BRK # \$00
\$16BC: 00 00	BRK # \$00
\$16BE: 00 00	BRK # \$00
\$16C0: 00 00	BRK # \$00
\$16C2: 00 00	BRK # \$00
\$16C4: 00 00	BRK # \$00
\$16C6: 00 00	BRK # \$00
\$16C8: 00 00	BRK # \$00
\$16CA: 00 00	BRK # \$00
\$16CC: 00 00	BRK # \$00
\$16CE: 00 00	BRK # \$00
\$16D0: 00 00	BRK # \$00
\$16D2: 00 00	BRK # \$00
\$16D4: 00 00	BRK # \$00
\$16D6: 00 00	BRK # \$00

\$16D8: 00 00	BRK # \$00
\$16DA: 00 00	BRK # \$00
\$16DC: 00 00	BRK # \$00
\$16DE: 00 00	BRK # \$00
\$16E0: 00 00	BRK # \$00
\$16E2: 00 00	BRK # \$00
\$16E4: 00 00	BRK # \$00
\$16E6: 00 00	BRK # \$00
\$16E8: 00 00	BRK # \$00
\$16EA: 00 00	BRK # \$00
\$16EC: 00 00	BRK # \$00
\$16EE: 00 00	BRK # \$00
\$16F0: 00 00	BRK # \$00
\$16F2: 00 00	BRK # \$00
\$16F4: 00 00	BRK # \$00
\$16F6: 00 00	BRK # \$00
\$16F8: 00 00	BRK # \$00
\$16FA: 00 00	BRK # \$00
\$16FC: 00 00	BRK # \$00
\$16FE: 00 00	BRK # \$00
\$1700: 00 00	BRK # \$00
\$1702: 00 00	BRK # \$00
\$1704: 00 00	BRK # \$00
\$1706: 00 00	BRK # \$00
\$1708: 00 00	BRK # \$00

\$170A: 00 00	BRK # \$00
\$170C: 00 00	BRK # \$00
\$170E: 00 00	BRK # \$00
\$1710: 00 00	BRK # \$00
\$1712: 00 00	BRK # \$00
\$1714: 00 00	BRK # \$00
\$1716: 00 00	BRK # \$00
\$1718: 00 00	BRK # \$00
\$171A: 00 00	BRK # \$00
\$171C: 00 00	BRK # \$00
\$171E: 00 00	BRK # \$00
\$1720: 00 00	BRK # \$00
\$1722: 00 00	BRK # \$00
\$1724: 00 00	BRK # \$00
\$1726: 00 00	BRK # \$00
\$1728: 00 00	BRK # \$00
\$172A: 00 00	BRK # \$00
\$172C: 00 00	BRK # \$00
\$172E: 00 00	BRK # \$00
\$1730: 00 00	BRK # \$00
\$1732: 00 00	BRK # \$00
\$1734: 00 00	BRK # \$00
\$1736: 00 00	BRK # \$00
\$1738: 00 00	BRK # \$00
\$173A: 00 00	BRK # \$00

\$173C: 00 00	BRK # \$00
\$173E: 00 00	BRK # \$00
\$1740: 00 00	BRK # \$00
\$1742: 00 00	BRK # \$00
\$1744: 00 00	BRK # \$00
\$1746: 00 00	BRK # \$00
\$1748: 00 00	BRK # \$00
\$174A: 00 00	BRK # \$00
\$174C: 00 00	BRK # \$00
\$174E: 00 00	BRK # \$00
\$1750: 00 00	BRK # \$00
\$1752: 00 00	BRK # \$00
\$1754: 00 00	BRK # \$00
\$1756: 00 00	BRK # \$00
\$1758: 00 00	BRK # \$00
\$175A: 00 00	f175A BRK # \$00
\$175C: 00 00	BRK # \$00
\$175E: 00 00	BRK # \$00
\$1760: 00 00	BRK # \$00
\$1762: 00 00	BRK # \$00
\$1764: 00 00	BRK # \$00
\$1766: 00 00	BRK # \$00
\$1768: 00 00	BRK # \$00
\$176A: 00 00	BRK # \$00
\$176C: 00 00	BRK # \$00

\$176E: 00 00	BRK # \$00
\$1770: 00 00	BRK # \$00
\$1772: 00 00	BRK # \$00
\$1774: 00 00	BRK # \$00
\$1776: 00 00	BRK # \$00
\$1778: 00 00	BRK # \$00
\$177A: 00 00	BRK # \$00
\$177C: 00 00	BRK # \$00
\$177E: 00 00	BRK # \$00
\$1780: 00 00	BRK # \$00
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\$178C: 00 00	BRK # \$00
\$178E: 00 00	BRK # \$00
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\$1792: 00 00	BRK # \$00
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\$1796: 00 00	BRK # \$00
\$1798: 00 00	BRK # \$00
\$179A: 00 00	BRK # \$00
\$179C: 00 00	BRK # \$00
\$179E: 00 00	BRK # \$00

\$17A0: 00 00	BRK # \$00
\$17A2: 00 00	BRK # \$00
\$17A4: 00 00	BRK # \$00
\$17A6: 00 00	BRK # \$00
\$17A8: 00 00	BRK # \$00
\$17AA: 00 00	BRK # \$00
\$17AC: 00 00	BRK # \$00
\$17AE: 00 00	BRK # \$00
\$17B0: 00 00	BRK # \$00
\$17B2: 00 00	BRK # \$00
\$17B4: 00 00	BRK # \$00
\$17B6: 00 00	BRK # \$00
\$17B8: 00 00	BRK # \$00
\$17BA: 00 00	BRK # \$00
\$17BC: 00 00	BRK # \$00
\$17BE: 00 00	BRK # \$00
\$17C0: 00 00	BRK # \$00
\$17C2: 00 00	BRK # \$00
\$17C4: 00 00	BRK # \$00
\$17C6: 00 00	BRK # \$00
\$17C8: 00 00	BRK # \$00
\$17CA: 00 00	BRK # \$00
\$17CC: 00 00	BRK # \$00
\$17CE: 00 00	BRK # \$00
\$17D0: 00 00	BRK # \$00



\$17D2: 00 00	BRK # \$00
\$17D4: 00 00	BRK # \$00
\$17D6: 00 00	BRK # \$00
\$17D8: 00 00	BRK # \$00
\$17DA: 00 00	BRK # \$00
\$17DC: 00 00	BRK # \$00
\$17DE: 00 00	BRK # \$00
\$17E0: 00 00	BRK # \$00
\$17E2: 00 00	BRK # \$00
\$17E4: 00 00	BRK # \$00
\$17E6: 00 00	BRK # \$00
\$17E8: 00 00	BRK # \$00
\$17EA: 00 00	BRK # \$00
\$17EC: 00 00	BRK # \$00
\$17EE: 00 00	BRK # \$00
\$17F0: 00 00	BRK # \$00
\$17F2: 00 00	BRK # \$00
\$17F4: 00 00	BRK # \$00
\$17F6: 00 00	BRK # \$00
\$17F8: 00 00	BRK # \$00
\$17FA: 00 00	BRK # \$00
\$17FC: 00 00	BRK # \$00
\$17FE: 00 00	BRK # \$00
\$1800: D7 00	f1800 DCP f00,X
\$1802: 00 EB	BRK # \$EB

\$1804: 00 00	BRK # \$00
\$1806: EB 00	SBC # \$00
\$1808: 00 D7	BRK # \$D7
\$180A: 00 00	BRK # \$00
\$180C: 14 00	NOP f00,X
\$180E: 00 14	BRK # \$14
\$1810: 00 00	BRK # \$00
\$1812: 14 00	NOP f00,X
\$1814: 00 14	BRK # \$14
\$1816: 00 00	BRK # \$00
\$1818: 00 00	a1818 BRK # \$00
\$181A: 00 00	BRK # \$00
\$181C: 00 00	BRK # \$00
\$181E: 00 00	BRK # \$00
\$1820: 00 00	s1820 BRK # \$00
\$1822: 00 00	BRK # \$00
\$1824: 00 00	BRK # \$00
\$1826: 00 00	BRK # \$00
\$1828: 00 00	BRK # \$00
\$182A: 00 00	BRK # \$00
\$182C: 00 00	BRK # \$00
\$182E: 00 00	BRK # \$00
\$1830: 00 00	BRK # \$00
\$1832: 00 00	BRK # \$00
\$1834: 00 00	BRK # \$00

\$1836: 00 00	BRK # \$00
\$1838: 00 00	BRK # \$00
\$183A: 00 00	BRK # \$00
\$183C: 00 00	f183C BRK # \$00
\$183E: 00 8A	BRK # \$8A
\$1840: 0C 00 00	NOP e0000
\$1843: 38	SEC
\$1844: 00 00	BRK # \$00
\$1846: 39 00 00	AND e0000,Y
\$1849: 2A	ROL
\$184A: 00 00	BRK # \$00
\$184C: 1B 00 00	SLO e0000,Y
\$184F: 1B 00 00	SLO e0000,Y
\$1852: 5C 00 00	NOP e0000,X
\$1855: 40	RTI
\$1856: 00 00	BRK # \$00
\$1858: 00 00	BRK # \$00
\$185A: 00 00	BRK # \$00
\$185C: 00 00	BRK # \$00
\$185E: 00 00	BRK # \$00
\$1860: 00 00	BRK # \$00
\$1862: 00 00	BRK # \$00
\$1864: 00 00	BRK # \$00
\$1866: 00 00	BRK # \$00

\$1868: 00 00	BRK # \$00
\$186A: 00 00	BRK # \$00
\$186C: 00 00	BRK # \$00
\$186E: 00 00	BRK # \$00
\$1870: 00 00	BRK # \$00
\$1872: 00 00	BRK # \$00
\$1874: 00 00	BRK # \$00
\$1876: 00 00	BRK # \$00
\$1878: 00 00	BRK # \$00
\$187A: 00 00	BRK # \$00
\$187C: 00 00	BRK # \$00
\$187E: 00 82	f187E BRK # \$82
\$1880: 0F 00 00	SLO e0000
\$1883: 0A	ASL
\$1884: 00 00	BRK # \$00
\$1886: 0A	ASL
\$1887: 00 00	BRK # \$00
\$1889: 59 00 00	EOR e0000,Y
\$188C: 56 00	LSR f00,X
\$188E: 00 0A	BRK # \$0A
\$1890: 00 00	BRK # \$00
\$1892: 0A	ASL
\$1893: 00 00	BRK # \$00
\$1895: 0F 00 00	SLO e0000
\$1898: 00 00	BRK # \$00

\$189A: 00 00	BRK # \$00
\$189C: 00 00	BRK # \$00
\$189E: 00 00	BRK # \$00
\$18A0: 00 00	BRK # \$00
\$18A2: 00 00	BRK # \$00
\$18A4: 00 00	BRK # \$00
\$18A6: 00 00	BRK # \$00
\$18A8: 00 00	BRK # \$00
\$18AA: 00 00	BRK # \$00
\$18AC: 00 00	BRK # \$00
\$18AE: 00 00	BRK # \$00
\$18B0: 00 00	BRK # \$00
\$18B2: 00 00	BRK # \$00
\$18B4: 00 00	BRK # \$00
\$18B6: 00 00	BRK # \$00
\$18B8: 00 00	BRK # \$00
\$18BA: 00 00	BRK # \$00
\$18BC: 00 00	BRK # \$00
\$18BE: 00 82	BRK # \$82
\$18C0: 40	RTI
\$18C1: 00 00	BRK # \$00
\$18C3: 40	RTI
\$18C4: 00 00	BRK # \$00

\$18C6: 13 00 SLO (p00),Y

f18C9 =\*+\$01

\$18C8: 00 17 BRK #17

\$18CA: 00 00 BRK #00

\$18CC: 06 00 ASL a00

\$18CE: 00 EA BRK #EA

\$18D0: 00 00 BRK #00

\$18D2: E9 00 SBC #00

\$18D4: 00 30 BRK #30

\$18D6: 00 00 BRK #00

\$18D8: 00 00 BRK #00

\$18DA: 00 00 BRK #00

\$18DC: 00 00 BRK #00

\$18DE: 00 00 BRK #00

\$18E0: 00 00 BRK #00

\$18E2: 00 00 BRK #00

\$18E4: 00 00 BRK #00

\$18E6: 00 00 BRK #00

\$18E8: 00 00 BRK #00

\$18EA: 00 00 BRK #00

\$18EC: 00 00 BRK #00

\$18EE: 00 00 BRK #00

\$18F0: 00 00 BRK #00

\$18F2: 00 00 BRK #00

\$18F4: 00 00 BRK #00

\$18F6: 00 00	BRK # \$00
\$18F8: 00 00	BRK # \$00
\$18FA: 00 00	BRK # \$00
\$18FC: 00 00	BRK # \$00
\$18FE: 00 82	BRK # \$82
\$1900: 14 00	f1900 NOP f00,X
\$1902: 00 14	BRK # \$14
\$1904: 00 00	BRK # \$00
\$1906: 14 00	NOP f00,X
\$1908: 00 14	BRK # \$14
\$190A: 00 00	BRK # \$00
\$190C: D7 00	DCP f00,X
\$190E: 00 EB	BRK # \$EB
\$1910: 00 00	BRK # \$00
\$1912: EB 00	SBC # \$00
\$1914: 00 D7	BRK # \$D7
\$1916: 00 00	BRK # \$00
\$1918: 00 00	BRK # \$00
\$191A: 00 00	BRK # \$00
\$191C: 00 00	BRK # \$00
\$191E: 00 00	BRK # \$00
\$1920: 00 00	BRK # \$00
\$1922: 00 00	BRK # \$00
\$1924: 00 00	BRK # \$00
\$1926: 00 00	BRK # \$00

\$1928: 00 00	BRK # \$00
\$192A: 00 00	BRK # \$00
\$192C: 00 00	BRK # \$00
\$192E: 00 00	BRK # \$00
\$1930: 00 00	BRK # \$00
\$1932: 00 00	BRK # \$00
\$1934: 00 00	BRK # \$00
\$1936: 00 00	BRK # \$00
\$1938: 00 00	BRK # \$00
\$193A: 00 00	BRK # \$00
\$193C: 00 00	BRK # \$00
\$193E: 00 82	BRK # \$82
\$1940: 01 00	ORA (p00,X)
\$1942: 00 01	BRK # \$01
\$1944: 00 00	BRK # \$00
\$1946: C4 00	CPY a00
\$1948: 00 E4	BRK # \$E4
\$194A: 00 00	BRK # \$00
\$194C: A0 00	LDY # \$00
\$194E: 00 AB	BRK # \$AB
\$1950: 00 00	BRK # \$00
\$1952: 6B 00	ARR # \$00
\$1954: 00 0C	BRK # \$0C
\$1956: 00 00	BRK # \$00
\$1958: 00 00	BRK # \$00



\$195A: 00 00	BRK # \$00
\$195C: 00 00	BRK # \$00
\$195E: 00 00	BRK # \$00
\$1960: 00 00	BRK # \$00
\$1962: 00 00	BRK # \$00
\$1964: 00 00	BRK # \$00
\$1966: 00 00	BRK # \$00
\$1968: 00 00	BRK # \$00
\$196A: 00 00	BRK # \$00
\$196C: 00 00	BRK # \$00
\$196E: 00 00	BRK # \$00
\$1970: 00 00	BRK # \$00
\$1972: 00 00	BRK # \$00
\$1974: 00 00	BRK # \$00
\$1976: 00 00	BRK # \$00
\$1978: 00 00	BRK # \$00
\$197A: 00 00	BRK # \$00
\$197C: 00 00	BRK # \$00
\$197E: 00 82	BRK # \$82
\$1980: F0 00	BEQ b1982
\$1982: 00 A0	b1982 BRK # \$A0
\$1984: 00 00	BRK # \$00
\$1986: A0 00	LDY # \$00
\$1988: 00 55	BRK # \$55
\$198A: 00 00	BRK # \$00

\$198C: 55 00	EOR f00,X
\$198E: 00 A0	BRK #A0
\$1990: 00 00	BRK #00
\$1992: A0 00	LDY #00
\$1994: 00 F0	BRK #F0
\$1996: 00 00	BRK #00
\$1998: 00 00	BRK #00
\$199A: 00 00	BRK #00
\$199C: 00 00	BRK #00
\$199E: 00 00	BRK #00
\$19A0: 00 00	BRK #00
\$19A2: 00 00	BRK #00
\$19A4: 00 00	BRK #00
\$19A6: 00 00	BRK #00
\$19A8: 00 00	BRK #00
\$19AA: 00 00	BRK #00
\$19AC: 00 00	BRK #00
\$19AE: 00 00	BRK #00
\$19B0: 00 00	BRK #00
\$19B2: 00 00	BRK #00
\$19B4: 00 00	BRK #00
\$19B6: 00 00	BRK #00
\$19B8: 00 00	BRK #00
\$19BA: 00 00	BRK #00
\$19BC: 00 00	BRK #00

\$19BE: 00 82 BRK #82  
\$19C0: 30 00 BMI b19C2  
\$19C2: 00 2C b19C2 BRK #2C  
\$19C4: 00 00 BRK #00  
\$19C6: 6C 00 00 JMP (e0000)

\$19C9: 68 PLA  
\$19CA: 00 00 BRK #00  
\$19CC: E4 00 CPX a00  
\$19CE: 00 E4 BRK #E4  
\$19D0: 00 00 BRK #00  
\$19D2: 35 00 AND f00,X  
\$19D4: 00 01 BRK #01  
\$19D6: 00 00 BRK #00  
\$19D8: 00 00 BRK #00  
\$19DA: 00 00 BRK #00  
\$19DC: 00 00 BRK #00  
\$19DE: 00 00 BRK #00  
\$19E0: 00 00 BRK #00  
\$19E2: 00 00 BRK #00  
\$19E4: 00 00 BRK #00  
\$19E6: 00 00 BRK #00  
\$19E8: 00 00 BRK #00  
\$19EA: 00 00 BRK #00  
\$19EC: 00 00 BRK #00

\$19EE: 00 00	BRK # \$00
\$19F0: 00 00	BRK # \$00
\$19F2: 00 00	BRK # \$00
\$19F4: 00 00	BRK # \$00
\$19F6: 00 00	BRK # \$00
\$19F8: 00 00	BRK # \$00
\$19FA: 00 00	BRK # \$00
\$19FC: 00 00	BRK # \$00
\$19FE: 00 82	BRK # \$82
\$1A00: 30 00	a1A00 BMI b1A02
\$1A02: 00 30	b1A02 BRK # \$30
\$1A04: 00 00	BRK # \$00
\$1A06: 30 00	BMI b1A08
\$1A08: 00 30	b1A08 BRK # \$30
\$1A0A: 00 00	BRK # \$00
\$1A0C: 30 00	BMI b1A0E
\$1A0E: 00 A8	b1A0E BRK # \$A8
\$1A10: 00 00	BRK # \$00
\$1A12: 10 00	BPL b1A14
\$1A14: 00 20	b1A14 BRK # \$20
\$1A16: 00 00	BRK # \$00
\$1A18: 00 00	BRK # \$00
\$1A1A: 00 00	BRK # \$00
\$1A1C: 00 00	BRK # \$00
\$1A1E: 00 00	BRK # \$00

\$1A20: 00 00	BRK # \$00
\$1A22: 00 00	BRK # \$00
\$1A24: 00 00	BRK # \$00
\$1A26: 00 00	BRK # \$00
\$1A28: 00 00	BRK # \$00
\$1A2A: 00 00	BRK # \$00
\$1A2C: 00 00	BRK # \$00
\$1A2E: 00 00	BRK # \$00
\$1A30: 00 00	BRK # \$00
\$1A32: 00 00	BRK # \$00
\$1A34: 00 00	BRK # \$00
\$1A36: 00 00	BRK # \$00
\$1A38: 00 00	BRK # \$00
\$1A3A: 00 00	BRK # \$00
\$1A3C: 00 00	BRK # \$00
\$1A3E: 00 8E	BRK # \$8E
\$1A40: 03 00	SLO (p00,X)
\$1A42: 00 03	BRK # \$03
\$1A44: 00 00	BRK # \$00
\$1A46: 0C 00 00	NOP e0000
\$1A49: 8C 00 00	STY e0000
\$1A4C: A0 00	LDY # \$00
\$1A4E: 00 68	BRK # \$68
\$1A50: 00 00	BRK # \$00
\$1A52: 98	TYA

\$1A53: 00 00	BRK # \$00
\$1A55: 80 00	NOP # \$00
\$1A57: 00 00	BRK # \$00
\$1A59: 00 00	BRK # \$00
\$1A5B: 00 00	BRK # \$00
\$1A5D: 00 00	BRK # \$00
\$1A5F: 00 00	BRK # \$00
\$1A61: 00 00	BRK # \$00
\$1A63: 00 00	BRK # \$00
\$1A65: 00 00	BRK # \$00
\$1A67: 00 00	BRK # \$00
\$1A69: 00 00	BRK # \$00
\$1A6B: 00 00	BRK # \$00
\$1A6D: 00 00	BRK # \$00
\$1A6F: 00 00	BRK # \$00
\$1A71: 00 00	BRK # \$00
\$1A73: 00 00	BRK # \$00
\$1A75: 00 00	BRK # \$00
\$1A77: 00 00	BRK # \$00
\$1A79: 00 00	BRK # \$00
\$1A7B: 00 00	BRK # \$00
\$1A7D: 00 00	BRK # \$00
\$1A7F: 8E 00 00	STX e0000
\$1A82: 00 00	BRK # \$00
\$1A84: 00 00	BRK # \$00

\$1A86: 20 00 00 JSR e0000

\$1A89: AF 00 00 LAX e0000

f1A8E =\*+\$02

\$1A8C: 6F 00 00 RRA e0000

\$1A8F: 20 00 00 JSR e0000

\$1A92: 00 00 BRK # \$00

\$1A94: 00 00 BRK # \$00

\$1A96: 00 00 BRK # \$00

\$1A98: 00 00 BRK # \$00

\$1A9A: 00 00 BRK # \$00

\$1A9C: 00 00 f1A9C BRK # \$00

\$1A9E: 00 00 BRK # \$00

\$1AA0: 00 00 BRK # \$00

\$1AA2: 00 00 BRK # \$00

\$1AA4: 00 00 BRK # \$00

\$1AA6: 00 00 BRK # \$00

\$1AA8: 00 00 BRK # \$00

\$1AAA: 00 00 BRK # \$00

\$1AAC: 00 00 BRK # \$00

\$1AAE: 00 00 BRK # \$00

\$1AB0: 00 00 BRK # \$00

\$1AB2: 00 00 BRK # \$00

\$1AB4: 00 00 BRK # \$00

\$1AB6: 00 00 BRK # \$00

\$1AB8: 00 00 BRK # \$00

\$1ABA: 00 00	BRK # \$00
\$1ABC: 00 00	BRK # \$00
\$1ABE: 00 8E	BRK # \$8E
\$1AC0: 80 00	NOP # \$00
\$1AC2: 00 98	BRK # \$98
\$1AC4: 00 00	BRK # \$00
\$1AC6: 68	PLA
\$1AC7: 00 00	BRK # \$00
\$1AC9: A0 00	LDY # \$00
\$1ACB: 00 8C	BRK # \$8C
\$1ACD: 00 00	BRK # \$00
\$1ACF: 0C 00 00	NOP e0000
\$1AD2: 03 00	SLO (p00,X)
\$1AD4: 00 03	BRK # \$03
\$1AD6: 00 00	BRK # \$00
\$1AD8: 00 00	BRK # \$00
\$1ADA: 00 00	BRK # \$00
\$1ADC: 00 00	BRK # \$00
\$1ADE: 00 00	BRK # \$00
\$1AE0: 00 00	BRK # \$00
\$1AE2: 00 00	BRK # \$00
\$1AE4: 00 00	BRK # \$00
\$1AE6: 00 00	BRK # \$00
\$1AE8: 00 00	BRK # \$00
\$1AEA: 00 00	BRK # \$00



\$1AEC: 00 00 BRK # \$00  
\$1AEE: 00 00 BRK # \$00  
\$1AF0: 00 00 BRK # \$00  
\$1AF2: 00 00 BRK # \$00  
\$1AF4: 00 00 BRK # \$00  
\$1AF6: 00 00 BRK # \$00  
\$1AF8: 00 00 BRK # \$00  
\$1AFA: 00 00 BRK # \$00  
\$1AFC: 00 00 BRK # \$00  
\$1AFE: 00 8E BRK # \$8E  
\$1B00: 20 00 00 f1B00 JSR e0000  
\$1B03: 10 00 BPL b1B05  
\$1B05: 00 A8 b1B05 BRK # \$A8  
\$1B07: 00 00 BRK # \$00  
\$1B09: 30 00 BMI b1B0B  
\$1B0B: 00 30 b1B0B BRK # \$30  
\$1B0D: 00 00 BRK # \$00  
\$1B0F: 30 00 BMI b1B11  
\$1B11: 00 30 b1B11 BRK # \$30  
\$1B13: 00 00 BRK # \$00  
\$1B15: 30 00 BMI b1B17  
\$1B17: 00 00 b1B17 BRK # \$00  
f1B1A =\*+\$01  
\$1B19: 00 00 BRK # \$00  
\$1B1B: 00 00 BRK # \$00

\$1B1D: 00 00	BRK # \$00
\$1B1F: 00 00	BRK # \$00
\$1B21: 00 00	BRK # \$00
\$1B23: 00 00	BRK # \$00
\$1B25: 00 00	BRK # \$00
\$1B27: 00 00	BRK # \$00
\$1B29: 00 00	BRK # \$00
\$1B2B: 00 00	BRK # \$00
\$1B2D: 00 00	BRK # \$00
\$1B2F: 00 00	BRK # \$00
\$1B31: 00 00	BRK # \$00
\$1B33: 00 00	BRK # \$00
\$1B35: 00 00	BRK # \$00
\$1B37: 00 00	BRK # \$00
\$1B39: 00 00	BRK # \$00
\$1B3B: 00 00	BRK # \$00
\$1B3D: 00 00	BRK # \$00
\$1B3F: 8E 02 00	STX a0002
\$1B42: 00 26	BRK # \$26
\$1B44: 00 00	BRK # \$00
\$1B46: 29 00	AND # \$00
\$1B48: 00 0A	BRK # \$0A
\$1B4A: 00 00	BRK # \$00
\$1B4C: 32	JAM
\$1B4D: 00 00	BRK # \$00

\$1B4F: 30 00	BMI b1B51
\$1B51: 00 C0	b1B51 BRK #C0
\$1B53: 00 00	BRK #00
\$1B55: C0 00	CPY #00
\$1B57: 00 00	BRK #00
\$1B59: 00 00	BRK #00
\$1B5B: 00 00	BRK #00
\$1B5D: 00 00	BRK #00
\$1B5F: 00 00	BRK #00
\$1B61: 00 00	BRK #00
\$1B63: 00 00	BRK #00
\$1B65: 00 00	BRK #00
\$1B67: 00 00	BRK #00
\$1B69: 00 00	BRK #00
\$1B6B: 00 00	BRK #00
\$1B6D: 00 00	BRK #00
\$1B6F: 00 00	BRK #00
\$1B71: 00 00	BRK #00
\$1B73: 00 00	BRK #00
\$1B75: 00 00	BRK #00
\$1B77: 00 00	BRK #00
\$1B79: 00 00	BRK #00
\$1B7B: 00 00	BRK #00
\$1B7D: 00 00	BRK #00
\$1B7F: 8E 00 00	STX e0000

\$1B82: 00 00	BRK # \$00
\$1B84: 00 00	BRK # \$00
\$1B86: 08	PHP
\$1B87: 00 00	BRK # \$00
\$1B89: FA	NOP
\$1B8A: 00 00	BRK # \$00
\$1B8C: F9 00 00	SBC e0000,Y
\$1B8F: 08	PHP
\$1B90: 00 00	BRK # \$00
\$1B92: 00 00	BRK # \$00
\$1B94: 00 00	BRK # \$00
\$1B96: 00 00	BRK # \$00
\$1B98: 00 00	BRK # \$00
\$1B9A: 00 00	BRK # \$00
\$1B9C: 00 00	BRK # \$00
\$1B9E: 00 00	BRK # \$00
\$1BA0: 00 00	BRK # \$00
\$1BA2: 00 00	BRK # \$00
\$1BA4: 00 00	BRK # \$00
\$1BA6: 00 00	BRK # \$00
\$1BA8: 00 00	BRK # \$00
\$1BAA: 00 00	BRK # \$00
\$1BAC: 00 00	BRK # \$00
\$1BAE: 00 00	BRK # \$00
\$1BB0: 00 00	BRK # \$00

\$1BB2: 00 00	BRK # \$00
\$1BB4: 00 00	BRK # \$00
\$1BB6: 00 00	BRK # \$00
\$1BB8: 00 00	BRK # \$00
\$1BBA: 00 00	BRK # \$00
\$1BBC: 00 00	BRK # \$00
\$1BBE: 00 8E	BRK # \$8E
\$1BC0: C0 00	CPY # \$00
\$1BC2: 00 C0	BRK # \$C0
\$1BC4: 00 00	BRK # \$00
\$1BC6: 30 00	BMI b1BC8
\$1BC8: 00 32	b1BC8 BRK # \$32
\$1BCA: 00 00	BRK # \$00
\$1BCC: 0A	ASL
\$1BCD: 00 00	BRK # \$00
\$1BCF: 29 00	AND # \$00
\$1BD1: 00 26	BRK # \$26
\$1BD3: 00 00	BRK # \$00
\$1BD5: 02	JAM
\$1BD6: 00 00	BRK # \$00
\$1BD8: 00 00	BRK # \$00
\$1BDA: 00 00	BRK # \$00
\$1BDC: 00 00	BRK # \$00
\$1BDE: 00 00	BRK # \$00
\$1BE0: 00 00	BRK # \$00

\$1BE2: 00 00 BRK # \$00  
\$1BE4: 00 00 BRK # \$00  
\$1BE6: 00 00 BRK # \$00  
\$1BE8: 00 00 BRK # \$00  
\$1BEA: 00 00 BRK # \$00  
\$1BEC: 00 00 BRK # \$00  
\$1BEE: 00 00 BRK # \$00  
\$1BF0: 00 00 BRK # \$00  
\$1BF2: 00 00 BRK # \$00  
\$1BF4: 00 00 BRK # \$00  
\$1BF6: 00 00 BRK # \$00  
\$1BF8: 00 00 BRK # \$00  
\$1BFA: 00 00 BRK # \$00  
\$1BFC: 00 00 BRK # \$00  
\$1BFE: 00 8E BRK # \$8E

a1C01 =\*+\$01

\$1C00: 00 00 f1C00 BRK # \$00  
\$1C02: 00 02 BRK # \$02  
\$1C04: 0C 00 0A f1C04 NOP a0A00  
\$1C07: 8C 00 0A STY a0A00  
\$1C0A: 8C 00 0A STY a0A00  
\$1C0D: AC 00 16 LDY a1600  
\$1C10: 5C 00 15 NOP f1500,X  
\$1C13: 50 00 BVC b1C15  
\$1C15: 25 60 b1C15 AND a60

\$1C17: 00 06 BRK #06

\$1C19: 40 RTI

a1C1B =\*+\$01

\$1C1A: 00 0A BRK #0A

\$1C1C: 80 00 f1C1C NOP #00

\$1C1E: 0A f1C1E ASL

\$1C1F: 80 00 NOP #00

\$1C21: 08 PHP

\$1C22: 80 00 NOP #00

\$1C24: 04 40 s1C24 NOP a40

\$1C26: 00 08 BRK #08

\$1C28: 80 00 NOP #00

\$1C2A: 00 00 BRK #00

\$1C2C: 00 00 BRK #00

\$1C2E: 00 00 BRK #00

\$1C30: 00 00 BRK #00

\$1C32: 00 00 BRK #00

\$1C34: 00 00 BRK #00

\$1C36: 00 00 BRK #00

\$1C38: 00 00 BRK #00

\$1C3A: 00 00 BRK #00

\$1C3C: 00 00 f1C3C BRK #00

\$1C3E: 00 00 BRK #00

\$1C40: 00 00 BRK #00

\$1C42: 00 02	BRK #02
\$1C44: 80 00	NOP #00
\$1C46: 0A	ASL
\$1C47: B0 00	BCS b1C49
\$1C49: 0A	b1C49 ASL
\$1C4A: F0 00	BEQ b1C4C
\$1C4C: 0B F0	b1C4C ANC #F0
\$1C4E: 00 2B	BRK #2B
\$1C50: F0 00	BEQ b1C52
\$1C52: 17 50	b1C52 SLO f50,X
\$1C54: 00 26	BRK #26
\$1C56: 70 00	BVS b1C58
\$1C58: 0A	b1C58 ASL
\$1C59: 60	RTS
\$1C5A: 00 0A	BRK #0A
\$1C5C: 80 00	NOP #00
\$1C5E: 0A	ASL
\$1C5F: 80 00	NOP #00
\$1C61: 04 80	NOP a80
\$1C63: 00 00	BRK #00
\$1C65: 60	RTS
\$1C66: 00 00	BRK #00
\$1C68: 40	RTI



\$1C69: 00 00	BRK #00
\$1C6B: 00 00	BRK #00
\$1C6D: 00 00	BRK #00
\$1C6F: 00 00	BRK #00
\$1C71: 00 00	BRK #00
\$1C73: 00 00	BRK #00
\$1C75: 00 00	BRK #00
\$1C77: 00 00	BRK #00
\$1C79: 00 00	BRK #00
\$1C7B: 00 00	BRK #00
\$1C7D: 00 00	BRK #00
\$1C7F: 00 00	BRK #00
\$1C81: 00 00	BRK #00
\$1C83: 00 00	BRK #00
\$1C85: 00 08	BRK #08
\$1C87: 00 00	BRK #00
\$1C89: 2F 00 00	RLA e0000
f1C8E =*+02	
\$1C8C: FF 00 00	ISC e0000,X
\$1C8F: FF 00 00	ISC e0000,X
\$1C92: E6 80	INC a80
\$1C94: 00 26	BRK #26
\$1C96: 40	RTI

\$1C97: 00 1D	BRK # \$1D
\$1C99: 40	RTI
\$1C9A: 00 19	BRK # \$19
\$1C9C: 80 00	NOP # \$00
\$1C9E: 2A	ROL
\$1C9F: 00 00	BRK # \$00
\$1CA1: 06 00	ASL a00
\$1CA3: 00 04	BRK # \$04
\$1CA5: 00 00	BRK # \$00
\$1CA7: 05 00	ORA a00
\$1CA9: 00 00	BRK # \$00
\$1CAB: 00 00	BRK # \$00
\$1CAD: 00 00	BRK # \$00
\$1CAF: 00 00	BRK # \$00
\$1CB1: 00 00	BRK # \$00
\$1CB3: 00 00	BRK # \$00
\$1CB5: 00 00	BRK # \$00
\$1CB7: 00 00	BRK # \$00
\$1CB9: 00 00	BRK # \$00
\$1CBB: 00 00	BRK # \$00
\$1CBD: 00 00	BRK # \$00
\$1CBF: 00 00	BRK # \$00
\$1CC1: 00 00	BRK # \$00
\$1CC3: 00 00	BRK # \$00

\$1CC5: 00 0A	BRK #0A
\$1CC7: 00 00	BRK #00
\$1CC9: FD 00 00	SBC e0000,X
\$1CCC: FD 00 00	SBC e0000,X
\$1CCF: FD 00 00	a1CCF SBC e0000,X
\$1CD2: 1A	NOP
\$1CD3: 80 00	NOP #00
\$1CD5: 19 40 00	ORA f0040,Y
\$1CD8: 35 80	AND f80,X
\$1CDA: 00 16	BRK #16
\$1CDC: 00 00	BRK #00
\$1CDE: 2A	ROL
\$1CDF: 00 00	BRK #00
\$1CE1: 19 00 00	ORA e0000,Y
\$1CE4: 04 00	NOP a00
\$1CE6: 00 00	BRK #00
\$1CE8: 00 00	BRK #00
\$1CEA: 00 00	BRK #00
\$1CEC: 00 00	BRK #00
\$1CEE: 00 00	BRK #00
\$1CF0: 00 00	BRK #00
\$1CF2: 00 00	BRK #00
\$1CF4: 00 00	BRK #00
\$1CF6: 00 00	BRK #00
\$1CF8: 00 00	BRK #00

\$1CFA: 00 00	BRK # \$00
\$1CFC: 00 00	BRK # \$00
\$1CFE: 00 00	BRK # \$00
\$1D00: 00 00	f1D00 BRK # \$00
\$1D02: 00 00	BRK # \$00
\$1D04: 00 00	BRK # \$00
\$1D06: 00 00	BRK # \$00
\$1D08: 00 02	BRK # \$02
\$1D0A: 00 00	BRK # \$00
\$1D0C: 3A	NOP
\$1D0D: 80 00	NOP # \$00
\$1D0F: 35 60	AND f60,X
\$1D11: 00 39	BRK # \$39
\$1D13: 90 00	BCC b1D15
\$1D15: 3A	b1D15 NOP
\$1D16: 90 00	BCC b1D18
\$1D18: 1A	b1D18 NOP
\$1D19: 60	RTS
\$1D1A: 00 35	BRK # \$35
\$1D1C: 80 00	f1D1C NOP # \$00
\$1D1E: 1A	NOP
\$1D1F: 80 00	f1D1F NOP # \$00
\$1D21: 38	SEC
\$1D22: 80 00	NOP # \$00

\$1D24: 00 40	BRK #40
\$1D26: 00 00	BRK #00
\$1D28: 00 00	BRK #00
\$1D2A: 00 00	BRK #00
\$1D2C: 00 00	BRK #00
\$1D2E: 00 00	BRK #00
\$1D30: 00 00	BRK #00
\$1D32: 00 00	BRK #00
\$1D34: 00 00	BRK #00
\$1D36: 00 00	BRK #00
\$1D38: 00 00	BRK #00
\$1D3A: 00 00	BRK #00
\$1D3C: 00 00	BRK #00
\$1D3E: 00 00	BRK #00
\$1D40: 00 00	BRK #00
\$1D42: 00 00	BRK #00
\$1D44: 00 00	BRK #00
\$1D46: 00 00	BRK #00
\$1D48: 00 3E	BRK #3E
\$1D4A: 80 00	NOP #00
\$1D4C: 3D 60 00	AND f0060,X
\$1D4F: 3D A0 00	AND f00A0,X
\$1D52: 06 98	ASL a98
\$1D54: 00 0E	BRK #0E
\$1D56: 98	TYA

\$1D57: 00 05	BRK # \$05
\$1D59: 60	RTS
\$1D5A: 00 0A	BRK # \$0A
\$1D5C: A0 00	LDY # \$00
\$1D5E: 02	JAM
\$1D5F: 10 00	BPL b1D61
\$1D61: 0A	b1D61 ASL
\$1D62: 60	RTS
\$1D63: 00 00	BRK # \$00
\$1D65: 00 00	BRK # \$00
\$1D67: 00 00	BRK # \$00
\$1D69: 00 00	BRK # \$00
\$1D6B: 00 00	BRK # \$00
\$1D6D: 00 00	BRK # \$00
\$1D6F: 00 00	BRK # \$00
\$1D71: 00 00	BRK # \$00
\$1D73: 00 00	BRK # \$00
\$1D75: 00 00	BRK # \$00
\$1D77: 00 00	BRK # \$00
\$1D79: 00 00	BRK # \$00
\$1D7B: 00 00	BRK # \$00
\$1D7D: 00 00	BRK # \$00
\$1D7F: 00 00	BRK # \$00

\$1D81: 00 00	BRK # \$00
\$1D83: 00 00	BRK # \$00
\$1D85: 00 00	BRK # \$00
\$1D87: 00 00	BRK # \$00
\$1D89: 00 00	BRK # \$00
\$1D8B: 00 0E	BRK # \$0E
\$1D8D: 00 00	BRK # \$00
\$1D8F: 0D 80 00	ORA a0080
\$1D92: 0E 40 00	ASL f0040
\$1D95: 0D 40 00	ORA f0040
\$1D98: 02	JAM
\$1D99: 80 00	NOP # \$00
\$1D9B: 02	JAM
\$1D9C: 80 00	NOP # \$00
\$1D9E: 02	JAM
\$1D9F: 40	RTI
\$1DA0: 00 01	BRK # \$01
\$1DA2: 40	RTI
\$1DA3: 00 00	BRK # \$00
\$1DA5: 00 00	BRK # \$00
\$1DA7: 00 00	BRK # \$00
\$1DA9: 00 00	BRK # \$00
\$1DAB: 00 00	BRK # \$00

\$1DAD: 00 00	BRK # \$00
\$1DAF: 00 00	BRK # \$00
\$1DB1: 00 00	BRK # \$00
\$1DB3: 00 00	BRK # \$00
\$1DB5: 00 00	BRK # \$00
\$1DB7: 00 00	BRK # \$00
\$1DB9: 00 00	BRK # \$00
\$1DBB: 00 00	BRK # \$00
\$1DBD: 00 00	BRK # \$00
\$1DBF: 00 00	BRK # \$00
\$1DC1: 00 00	BRK # \$00
\$1DC3: 00 00	BRK # \$00
\$1DC5: 00 00	BRK # \$00
\$1DC7: 00 00	BRK # \$00
\$1DC9: 00 00	BRK # \$00
\$1DCB: 00 0E	BRK # \$0E
\$1DCD: 00 00	BRK # \$00
\$1DCF: 0D 80 00	ORA a0080
\$1DD2: 0E 80 00	ASL a0080
\$1DD5: 0D 40 00	ORA f0040
\$1DD8: 02	JAM
\$1DD9: 80 00	NOP # \$00
\$1DDB: 01 80	ORA (p80,X)
\$1DDD: 00 01	BRK # \$01
\$1DDF: 80 00	NOP # \$00



\$1DE1: 00 00	BRK # \$00
\$1DE3: 00 00	BRK # \$00
\$1DE5: 00 00	BRK # \$00
\$1DE7: 00 00	BRK # \$00
\$1DE9: 00 00	BRK # \$00
\$1DEB: 00 00	BRK # \$00
\$1DED: 00 00	BRK # \$00
\$1DEF: 00 00	BRK # \$00
\$1DF1: 00 00	BRK # \$00
\$1DF3: 00 00	BRK # \$00
\$1DF5: 00 00	BRK # \$00
\$1DF7: 00 00	BRK # \$00
\$1DF9: 00 00	BRK # \$00
\$1DFB: 00 00	BRK # \$00
\$1DFD: 00 00	BRK # \$00

f1E00 =\*+\$01

\$1DFF: 00 00	BRK # \$00
\$1E01: 00 00	BRK # \$00
\$1E03: 08	PHP
\$1E04: 00 00	BRK # \$00
\$1E06: 0B C8	ANC # \$C8
\$1E08: 00 2F	BRK # \$2F
\$1E0A: C8	INY
\$1E0B: 00 2F	BRK # \$2F
\$1E0D: C8	INY

\$1E0E: 00 9F      BRK #9F  
\$1E10: C8      INY  
\$1E11: 00 97      BRK #97  
\$1E13: 58      CLI  
\$1E14: 00 17      BRK #17  
\$1E16: 54 00      NOP f00,X  
\$1E18: 0A      f1E18 ASL  
\$1E19: 94 00      STY f00,X  
\$1E1B: 0A      ASL  
                 f1E1D =\*+\$01  
\$1E1C: 90 00      BCC b1E1E  
\$1E1E: 06 80      b1E1E ASL a80  
\$1E20: 00 04      BRK #04  
\$1E22: 40      RTI  
  
\$1E23: 00 0C      a1E23 BRK #0C  
\$1E25: C0 00      CPY #00  
\$1E27: 04 40      NOP a40  
\$1E29: 00 00      BRK #00  
\$1E2B: 00 00      BRK #00  
\$1E2D: 00 00      BRK #00  
\$1E2F: 00 00      BRK #00  
\$1E31: 00 00      BRK #00  
\$1E33: 00 00      BRK #00  
\$1E35: 00 00      BRK #00

\$1E37: 00 00	BRK # \$00
\$1E39: 00 00	BRK # \$00
\$1E3B: 00 00	BRK # \$00
\$1E3D: 00 00	BRK # \$00
\$1E3F: 00 00	BRK # \$00
\$1E41: 00 00	BRK # \$00
\$1E43: 00 00	BRK # \$00
\$1E45: 00 03	BRK # \$03
\$1E47: C0 00	CPY # \$00
\$1E49: 0F E0 00	SLO a00E0
\$1E4C: 0F E0 00	SLO a00E0
\$1E4F: 0F C8 00	SLO a00C8
\$1E52: 0D 68 00	ORA a0068
\$1E55: 05 A0	ORA aA0
\$1E57: 00 05	BRK # \$05
\$1E59: 80 00	NOP # \$00
\$1E5B: 09 80	ORA # \$80
\$1E5D: 00 06	BRK # \$06
\$1E5F: 80 00	NOP # \$00
\$1E61: 04 40	NOP a40
\$1E63: 00 00	BRK # \$00
\$1E65: F0 00	BEQ b1E67
\$1E67: 00 00	b1E67 BRK # \$00
\$1E69: 00 00	BRK # \$00
\$1E6B: 00 00	BRK # \$00

\$1E6D: 00 00	BRK # \$00
\$1E6F: 00 00	BRK # \$00
\$1E71: 00 00	BRK # \$00
\$1E73: 00 00	BRK # \$00
\$1E75: 00 00	BRK # \$00
\$1E77: 00 00	BRK # \$00
\$1E79: 00 00	BRK # \$00
\$1E7B: 00 00	BRK # \$00
\$1E7D: 00 00	BRK # \$00
\$1E7F: 00 00	BRK # \$00
\$1E81: 00 00	BRK # \$00
\$1E83: 00 00	BRK # \$00
\$1E85: 00 00	BRK # \$00
\$1E87: 20 00 03	JSR s0300
\$1E8A: E0 00	CPX # \$00
\$1E8C: 0F 60 00	SLO f0060
\$1E8F: 0F 60 00	SLO f0060
\$1E92: 0D 60 00	ORA f0060
\$1E95: 06 A0	ASL aA0
\$1E97: 00 06	BRK # \$06
\$1E99: A0 00	LDY # \$00
\$1E9B: 05 AA	ORA aAA
\$1E9D: 00 02	BRK # \$02
\$1E9F: 00 00	BRK # \$00
\$1EA1: 01 00	ORA (p00,X)

\$1EA3: 00 03 BRK # \$03

\$1EA5: 40 RTI

\$1EA6: 00 00 BRK # \$00

\$1EA8: 00 00 BRK # \$00

\$1EAA: 00 00 BRK # \$00

\$1EAC: 00 00 BRK # \$00

\$1EAE: 00 00 BRK # \$00

\$1EB0: 00 00 BRK # \$00

\$1EB2: 00 00 BRK # \$00

\$1EB4: 00 00 BRK # \$00

\$1EB6: 00 00 BRK # \$00

f1EB9 =\*+ \$01

\$1EB8: 00 00 BRK # \$00

\$1EBA: 00 00 BRK # \$00

\$1EBC: 00 00 BRK # \$00

\$1EBE: 00 00 BRK # \$00

\$1EC0: 00 00 BRK # \$00

\$1EC2: 00 00 BRK # \$00

\$1EC4: 00 00 BRK # \$00

\$1EC6: 00 00 BRK # \$00

\$1EC8: 00 07 BRK # \$07

\$1ECA: C0 00 CPY # \$00

\$1ECC: 0D 40 00 ORA f0040

\$1ECF: 0D 40 00 ORA f0040

\$1ED2: 06 80	ASL a80
\$1ED4: 00 1A	BRK #1A
\$1ED6: A0 00	LDY #00
\$1ED8: 1A	NOP
\$1ED9: A0 00	LDY #00
\$1EDB: 0A	ASL
\$1EDC: A0 00	LDY #00
\$1EDE: 0A	ASL
\$1EDF: 80 00	NOP #00
\$1EE1: 0E 80 00	ASL a0080
\$1EE4: 04 80	NOP a80
\$1EE6: 00 00	BRK #00
\$1EE8: 00 00	BRK #00
\$1EEA: 00 00	BRK #00
\$1EEC: 00 00	BRK #00
\$1EEE: 00 00	BRK #00
\$1EF0: 00 00	BRK #00
\$1EF2: 00 00	BRK #00
\$1EF4: 00 00	BRK #00
\$1EF6: 00 00	BRK #00
\$1EF8: 00 00	BRK #00
\$1EFA: 00 00	BRK #00
\$1EFC: 00 00	BRK #00
\$1EFE: 00 00	BRK #00
\$1F00: 00 00	f1F00 BRK #00

\$1F02: 00 00	BRK # \$00
\$1F04: 00 00	BRK # \$00
\$1F06: 00 00	BRK # \$00
\$1F08: 00 00	BRK # \$00
\$1FOA: 00 00	BRK # \$00
\$1F0C: 0F C0 00	SLO a00C0
\$1F0F: 55 50	a1F0F EOR f50,X
\$1F11: 00 45	BRK # \$45
\$1F13: 50 00	a1F13 BVC b1F15
\$1F15: 49 90	b1F15 EOR # \$90
\$1F17: 00 8A	BRK # \$8A
\$1F19: A0 00	LDY # \$00
\$1F1B: 8A	TXA
\$1F1C: A8	TAY
\$1F1D: 00 8B	BRK # \$8B
\$1F1F: A0 00	LDY # \$00
\$1F21: 84 40	STY a40
\$1F23: 00 80	BRK # \$80
\$1F25: 00 00	BRK # \$00
\$1F27: 00 00	BRK # \$00
\$1F29: 00 00	BRK # \$00
\$1F2B: 00 00	BRK # \$00
\$1F2D: 00 00	BRK # \$00
\$1F2F: 00 00	BRK # \$00
\$1F31: 00 00	BRK # \$00

\$1F33: 00 00	BRK # \$00
\$1F35: 00 00	BRK # \$00
\$1F37: 00 00	BRK # \$00
\$1F39: 00 00	BRK # \$00
\$1F3B: 00 00	BRK # \$00
\$1F3D: 00 00	BRK # \$00
\$1F3F: 00 00	BRK # \$00
\$1F41: 00 00	BRK # \$00
\$1F43: 00 00	BRK # \$00
\$1F45: 00 00	BRK # \$00
\$1F47: 00 00	BRK # \$00
\$1F49: 00 00	BRK # \$00
\$1F4B: 00 03	BRK # \$03
\$1F4D: C0 00	CPY # \$00
\$1F4F: 01 C0	ORA (pC0,X)
\$1F51: 00 01	BRK # \$01
\$1F53: C0 00	CPY # \$00
\$1F55: 01 40	ORA (p40,X)
\$1F57: 00 02	BRK # \$02
\$1F59: 80 00	NOP # \$00
\$1F5B: 0B 80	ANC # \$80
\$1F5D: 00 2A	BRK # \$2A
\$1F5F: 80 00	NOP # \$00
\$1F61: 02	JAM
\$1F62: C0 00	CPY # \$00



\$1F64: 00 40	BRK # \$40
\$1F66: 00 00	BRK # \$00
\$1F68: 00 00	BRK # \$00
\$1F6A: 00 00	BRK # \$00
\$1F6C: 00 00	BRK # \$00
\$1F6E: 00 00	BRK # \$00
\$1F70: 00 00	BRK # \$00
\$1F72: 00 00	BRK # \$00
\$1F74: 00 00	BRK # \$00
\$1F76: 00 00	BRK # \$00
\$1F78: 00 00	BRK # \$00
\$1F7A: 00 00	BRK # \$00
\$1F7C: 00 00	BRK # \$00
\$1F7E: 00 00	BRK # \$00
\$1F80: 00 00	BRK # \$00
\$1F82: 00 00	BRK # \$00
\$1F84: 00 00	BRK # \$00
\$1F86: 00 00	BRK # \$00
\$1F88: 00 00	f1F88 BRK # \$00
\$1F8A: 00 00	BRK # \$00
\$1F8C: 00 00	BRK # \$00
\$1F8E: 00 03	BRK # \$03
\$1F90: C0 00	CPY # \$00
\$1F92: 01 C0	ORA (pC0,X)
\$1F94: 00 02	BRK # \$02

\$1F96: 40	RTI
\$1F97: 00 0A	BRK #0A
\$1F99: 80 00	NOP #00
\$1F9B: 02	JAM
\$1F9C: 80 00	NOP #00
\$1F9E: 02	JAM
\$1F9F: 40	RTI
\$1FA0: 00 00	BRK #00
\$1FA2: 00 00	BRK #00
\$1FA4: 00 00	BRK #00
\$1FA6: 00 00	BRK #00
\$1FA8: 00 00	BRK #00
\$1FAA: 00 00	BRK #00
\$1FAC: 00 00	BRK #00
\$1FAE: 00 00	BRK #00
\$1FB0: 00 00	BRK #00
\$1FB2: 00 00	BRK #00
\$1FB4: 00 00	BRK #00
\$1FB6: 00 00	BRK #00
\$1FB8: 00 00	BRK #00
\$1FBA: 00 00	BRK #00
\$1FBC: 00 00	BRK #00
\$1FBE: 00 00	a1FBE BRK #00

\$1FC0: 00 00	BRK # \$00
\$1FC2: 00 00	BRK # \$00
\$1FC4: 00 00	BRK # \$00
\$1FC6: 00 00	BRK # \$00
\$1FC8: 00 00	BRK # \$00
\$1FCA: 00 00	BRK # \$00
\$1FCC: 00 00	BRK # \$00
\$1FCE: 00 03	BRK # \$03
\$1FD0: C0 00	CPY # \$00
\$1FD2: 0B C0	ANC # \$C0
\$1FD4: 00 0A	BRK # \$0A
\$1FD6: 90 00	BCC b1FD8
\$1FD8: 0A	b1FD8 ASL
\$1FD9: 90 00	BCC b1FDB
\$1FDB: 09 40	b1FDB ORA # \$40
\$1FDD: 00 01	BRK # \$01
\$1FDF: 40	RTI
\$1FE0: 00 00	BRK # \$00
\$1FE2: 00 00	BRK # \$00
\$1FE4: 00 00	BRK # \$00
\$1FE6: 00 00	BRK # \$00
\$1FE8: 00 00	BRK # \$00
\$1FEA: 00 00	BRK # \$00
\$1FEC: 00 00	p1FEC BRK # \$00

\$1FEE: 00 00	BRK # \$00
\$1FF0: 00 00	BRK # \$00
\$1FF2: 00 00	BRK # \$00
\$1FF4: 00 00	BRK # \$00
\$1FF6: 00 00	BRK # \$00
\$1FF8: 00 00	BRK # \$00
\$1FFA: 00 00	BRK # \$00
\$1FFC: 00 00	BRK # \$00
\$1FFE: 00 F8	BRK # \$F8
\$2000: 0A	s2000 ASL
\$2001: 0A	f2001 ASL
\$2002: 0A	a2002 ASL
\$2003: 0A	ASL
\$2004: 0A	ASL
\$2005: 0A	ASL
\$2006: 0A	ASL
\$2007: 0A	ASL
\$2008: 0A	ASL
\$2009: 0A	ASL
\$200A: 0A	ASL
\$200B: 0A	ASL
\$200C: 0A	ASL
\$200D: 0A	ASL
\$200E: 0A	ASL
\$200F: 0A	ASL

\$2010: 0A	s2010 ASL
\$2011: 0A	ASL
\$2012: 0A	ASL
\$2013: 0A	ASL
\$2014: 0A	ASL
\$2015: 0A	ASL
\$2016: 0A	ASL
\$2017: 0A	ASL
\$2018: 0A	ASL
\$2019: 0A	ASL
\$201A: 0A	ASL
\$201B: 0A	ASL
\$201C: 0A	ASL
\$201D: 0A	ASL
\$201E: 0A	f201E ASL
\$201F: 0A	ASL
\$2020: 0A	a2020 ASL
\$2021: 0A	ASL
\$2022: 0A	ASL
\$2023: 0A	ASL
\$2024: 0A	ASL
\$2025: 0A	ASL
\$2026: 0A	ASL
\$2027: 0A	ASL
\$2028: 0A	ASL

\$2029: 0A	ASL
\$202A: 0A	ASL
\$202B: 0A	ASL
\$202C: 0A	ASL
\$202D: 0A	ASL
\$202E: 0A	ASL
\$202F: 0A	ASL
\$2030: 0A	ASL
\$2031: 0A	ASL
\$2032: 0A	ASL
\$2033: 0A	ASL
\$2034: 0A	ASL
\$2035: 0A	ASL
\$2036: 0A	ASL
\$2037: 0A	ASL
\$2038: 0A	ASL
\$2039: 0A	ASL
\$203A: 0A	ASL
\$203B: 0A	ASL
\$203C: 0A	ASL
\$203D: 0A	ASL
\$203E: 0A	j203E ASL
\$203F: 0A	f203F ASL
\$2040: 0A	ASL
\$2041: 0A	ASL

\$2042: 0A	ASL
\$2043: 0A	ASL
\$2044: 0A	a2044 ASL
\$2045: 0A	ASL
\$2046: 0A	ASL
\$2047: 0A	a2047 ASL
\$2048: 0A	ASL
\$2049: 0A	ASL
\$204A: 0A	ASL
\$204B: 0A	ASL
\$204C: 0A	ASL
\$204D: 0A	ASL
\$204E: 0A	ASL
\$204F: 0A	ASL
\$2050: 0A	ASL
\$2051: 0A	ASL
\$2052: 0A	ASL
\$2053: 0A	ASL
\$2054: 0A	a2054 ASL
\$2055: 0A	a2055 ASL
\$2056: 0A	ASL
\$2057: 0A	ASL
\$2058: 0A	ASL
\$2059: 0A	s2059 ASL
\$205A: 0A	ASL

\$205B: 0A	ASL
\$205C: 0A	ASL
\$205D: 0A	ASL
\$205E: 0A	f205E ASL
\$205F: 0A	ASL
\$2060: 0A	ASL
\$2061: 0A	ASL
\$2062: 0A	ASL
\$2063: 0A	ASL
\$2064: 0A	ASL
\$2065: 0A	ASL
\$2066: 0A	ASL
\$2067: 0A	ASL
\$2068: 0A	ASL
\$2069: 0A	ASL
\$206A: 0A	ASL
\$206B: 0A	ASL
\$206C: 0A	ASL
\$206D: 0A	ASL
\$206E: 0A	ASL
\$206F: 0A	ASL
\$2070: 0A	p2070 ASL
\$2071: 0A	ASL
\$2072: 0A	ASL
\$2073: 0A	ASL



\$2074: 0A	j2074	ASL
\$2075: 0A		ASL
\$2076: 0A		ASL
\$2077: 0A		ASL
\$2078: 0A		ASL
\$2079: 0A		ASL
\$207A: 0A		ASL
\$207B: 0A		ASL
\$207C: 0A		ASL
\$207D: 0A		ASL
\$207E: 0A		ASL
\$207F: 0A		ASL
\$2080: 0A		ASL
\$2081: 0A		ASL
\$2082: 0A		ASL
\$2083: 0A	f2083	ASL
\$2084: 08		PHP
\$2085: 08		PHP
\$2086: 08		PHP
\$2087: 08		PHP
\$2088: 08		PHP
\$2089: 08		PHP
\$208A: 0E 0E 0A		ASL a0A0E
\$208D: 0A		ASL
\$208E: 0B 0B	f208E	ANC #0B

\$2090: 0B 0B s2090 ANC # \$0B

\$2092: 0B 0B ANC # \$0B

\$2094: 0B 0B ANC # \$0B

a2097 =\*+\$01

\$2096: 0B 0B a2096 ANC # \$0B

\$2098: 0B 0B s2098 ANC # \$0B

\$209A: 0A ASL

\$209B: 0A f209B ASL

\$209C: 0B 0B ANC # \$0B

a209F =\*+\$01

\$209E: 0B 0B ANC # \$0B

\$20A0: 0B 08 s20A0 ANC # \$08

\$20A2: 08 PHP

\$20A3: 08 PHP

\$20A4: 08 PHP

\$20A5: 08 PHP

\$20A6: 0A ASL

\$20A7: 0A ASL

\$20A8: 08 PHP

\$20A9: 08 a20A9 PHP

\$20AA: 08 PHP

\$20AB: 08 PHP

\$20AC: 08 PHP

\$20AD: 08 PHP

\$20AE: 08 PHP

\$20AF: 08	f20AF	PHP
\$20B0: 08	f20B0	PHP
\$20B1: 08	a20B1	PHP
\$20B2: 0A	a20B2	ASL
\$20B3: 0A		ASL
\$20B4: 08		PHP
\$20B5: 08		PHP
\$20B6: 08		PHP
\$20B7: 08	f20B7	PHP
\$20B8: 08	f20B8	PHP
\$20B9: 08		PHP
\$20BA: 08		PHP
\$20BB: 08	s20BB	PHP
\$20BC: 08		PHP
\$20BD: 08		PHP
\$20BE: 01 01		ORA (p01,X)
\$20C0: 0A		ASL
\$20C1: 0A		ASL
\$20C2: 0A		ASL
\$20C3: 0A		ASL
\$20C4: 08		PHP
\$20C5: 08		PHP
\$20C6: 08		PHP
\$20C7: 08		PHP
\$20C8: 08		PHP

\$20C9: 08	PHP
\$20CA: 0E 0E 0A	ASL a0A0E
\$20CD: 0A	ASL
\$20CE: 0B 0B	ANC #0B
\$20D0: 0B 0B	ANC #0B
\$20D2: 0B 0B	ANC #0B
\$20D4: 0B 0B	ANC #0B
\$20D6: 0B 0B	ANC #0B
\$20D8: 0B 0B	ANC #0B
\$20DA: 0A	ASL
\$20DB: 0A	ASL
\$20DC: 0B 0B	ANC #0B
\$20DE: 0B 0B	ANC #0B
\$20E0: 0B 08	s20E0 ANC #08
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\$20E3: 08	PHP
\$20E4: 08	PHP
\$20E5: 08	PHP
\$20E6: 0A	ASL
\$20E7: 0A	s20E7 ASL
\$20E8: 08	PHP
\$20E9: 08	PHP
\$20EA: 08	PHP
\$20EB: 08	PHP
\$20EC: 08	PHP

\$20ED: 08	PHP
\$20EE: 08	PHP
\$20EF: 08	PHP
\$20F0: 08	PHP
\$20F1: 08	PHP
\$20F2: 0A	ASL
\$20F3: 0A	ASL
\$20F4: 08	PHP
\$20F5: 08	PHP
\$20F6: 08	PHP
\$20F7: 08	PHP
\$20F8: 08	PHP
\$20F9: 08	PHP
\$20FA: 08	PHP
\$20FB: 08	PHP
\$20FC: 08	PHP
\$20FD: 08	PHP
\$20FE: 00 00	f20FE BRK # \$00
\$2100: 0A	ASL
\$2101: 0A	ASL
\$2102: 08	PHP
\$2103: 08	PHP
\$2104: 08	PHP
\$2105: 08	PHP
\$2106: 08	PHP

\$2107: 08	PHP
\$2108: 08	PHP
\$2109: 08	PHP
\$210A: 08	PHP
\$210B: 08	PHP
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\$210D: 0A	ASL
\$210E: 0B 0B	ANC # \$0B
\$2110: 0B 0B	ANC # \$0B
\$2112: 0B 0B	ANC # \$0B
\$2114: 0B 0B	ANC # \$0B
\$2116: 0B 0B	ANC # \$0B
\$2118: 0B 0B	ANC # \$0B
\$211A: 0A	ASL
\$211B: 0A	ASL
\$211C: 0B 0B	ANC # \$0B
\$211E: 0B 0B	ANC # \$0B
\$2120: 08	f2120 PHP
\$2121: 08	PHP
\$2122: 08	PHP
\$2123: 08	PHP
\$2124: 08	PHP
\$2125: 08	PHP
\$2126: 08	PHP
\$2127: 08	PHP

\$2128: 08	PHP
\$2129: 08	PHP
\$212A: 08	PHP
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\$212C: 08	PHP
\$212D: 08	PHP
\$212E: 08	PHP
\$212F: 08	PHP
\$2130: 0B 0B	ANC #0B
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\$2133: 0A	ASL
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\$2135: 08	PHP
\$2136: 08	PHP
\$2137: 08	PHP
\$2138: 08	PHP
\$2139: 08	PHP
\$213A: 08	PHP
\$213B: 08	PHP
\$213C: 08	PHP
\$213D: 08	PHP
\$213E: 08	PHP
\$213F: 08	PHP
\$2140: 0A	ASL
\$2141: 0A	ASL

\$2142: 08	PHP
\$2143: 08	PHP
\$2144: 08	a2144 PHP
\$2145: 08	PHP
\$2146: 08	PHP
\$2147: 08	PHP
\$2148: 08	PHP
\$2149: 08	PHP
\$214A: 08	PHP
\$214B: 08	PHP
\$214C: 0A	ASL
\$214D: 0A	ASL
\$214E: 0B 0B	ANC # \$0B
\$2150: 0B 0B	f2150 ANC # \$0B
j2153	=*+\$01
\$2152: 0B 0B	ANC # \$0B
\$2154: 0B 0B	ANC # \$0B
\$2156: 0B 0B	ANC # \$0B
\$2158: 0B 0B	ANC # \$0B
\$215A: 0A	ASL
\$215B: 0A	ASL
\$215C: 0B 0B	ANC # \$0B
\$215E: 0B 0B	ANC # \$0B
\$2160: 08	PHP
\$2161: 08	PHP



\$2162: 08	PHP
\$2163: 08	PHP
\$2164: 08	PHP
\$2165: 08	PHP
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\$2167: 08	PHP
\$2168: 08	PHP
\$2169: 08	PHP
\$216A: 08	PHP
\$216B: 08	PHP
\$216C: 08	PHP
\$216D: 08	PHP
\$216E: 08	PHP
\$216F: 08	PHP
\$2170: 0B 0B	ANC #0B
\$2172: 0A	ASL
\$2173: 0A	ASL
\$2174: 08	PHP
\$2175: 08	PHP
\$2176: 08	PHP
\$2177: 08	PHP
\$2178: 08	PHP
\$2179: 08	PHP
\$217A: 08	PHP
\$217B: 08	PHP

\$217C: 08	PHP
\$217D: 08	PHP
\$217E: 08	PHP
\$217F: 08	PHP
\$2180: 0A	ASL
\$2181: 0A	ASL
\$2182: 08	PHP
\$2183: 08	PHP
\$2184: 08	PHP
\$2185: 08	PHP
\$2186: 08	PHP
\$2187: 08	f2187 PHP
\$2188: 08	PHP
\$2189: 0B 0B	ANC # \$0B
f218C =*+\$01	
\$218B: 0B 0B	ANC # \$0B
\$218D: 0B 0B	ANC # \$0B
\$218F: 0B 0B	ANC # \$0B
\$2191: 0B 0B	f2191 ANC # \$0B
\$2193: 0B 0B	ANC # \$0B
\$2195: 0B 0B	s2195 ANC # \$0B
\$2197: 0B 0B	ANC # \$0B
s219A =*+\$01	
\$2199: 0B 0A	ANC # \$0A
\$219B: 0A	ASL

\$219C: 0B 0B	ANC #	\$0B
\$219E: 0B 0B	ANC #	\$0B
\$21A0: 08	PHP	
\$21A1: 08	PHP	
\$21A2: 08	PHP	
\$21A3: 08	PHP	
\$21A4: 08	PHP	
\$21A5: 08	j21A5	PHP
\$21A6: 08	PHP	
\$21A7: 08	PHP	
\$21A8: 08	PHP	
\$21A9: 08	PHP	
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\$21AB: 08	PHP	
\$21AC: 08	PHP	
\$21AD: 08	PHP	
\$21AE: 08	PHP	
\$21AF: 08	PHP	
\$21B0: 08	PHP	
\$21B1: 08	PHP	
\$21B2: 0A	ASL	
\$21B3: 0A	ASL	
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\$21B5: 08	PHP	
\$21B6: 08	PHP	

\$21B7: 08	PHP
\$21B8: 08	PHP
\$21B9: 08	PHP
\$21BA: 0B 0B	ANC # \$0B
\$21BC: 08	PHP
\$21BD: 08	PHP
\$21BE: 08	PHP
\$21BF: 08	PHP
\$21C0: 0A	ASL
\$21C1: 0A	ASL
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\$21C3: 08	PHP
\$21C4: 08	PHP
\$21C5: 08	PHP
\$21C6: 08	PHP
\$21C7: 08	PHP
\$21C8: 0B 0B	ANC # \$0B
\$21CA: 0B 0B	ANC # \$0B
\$21CC: 0B 0B	ANC # \$0B
\$21CE: 0B 0B	ANC # \$0B
\$21D0: 0B 0B	ANC # \$0B
\$21D2: 0B 0B	ANC # \$0B
\$21D4: 0B 0B	ANC # \$0B
\$21D6: 0B 0B	ANC # \$0B
\$21D8: 0B 0B	ANC # \$0B

\$21DA: 0A	ASL
\$21DB: 0A	ASL
\$21DC: 0B 0B	ANC # \$0B
\$21DE: 0B 0B	ANC # \$0B
\$21E0: 08	PHP
\$21E1: 08	PHP
\$21E2: 08	PHP
\$21E3: 08	PHP
\$21E4: 08	j21E4 PHP
\$21E5: 08	PHP
\$21E6: 08	PHP
\$21E7: 08	PHP
\$21E8: 08	PHP
\$21E9: 08	PHP
\$21EA: 08	PHP
\$21EB: 08	PHP
\$21EC: 08	PHP
\$21ED: 08	PHP
\$21EE: 08	PHP
\$21EF: 08	PHP
\$21F0: 08	PHP
\$21F1: 08	PHP
\$21F2: 0A	ASL
\$21F3: 0A	ASL
\$21F4: 08	PHP

\$21F5: 08	PHP
\$21F6: 08	PHP
\$21F7: 08	PHP
\$21F8: 08	PHP
\$21F9: 08	PHP
\$21FA: 0B 0B	ANC # \$0B
\$21FC: 08	PHP
\$21FD: 08	PHP
\$21FE: 08	PHP
\$21FF: 08	PHP
\$2200: 0A	ASL
\$2201: 0A	ASL
\$2202: 08	PHP
\$2203: 08	PHP
\$2204: 08	PHP
\$2205: 08	PHP
\$2206: 08	PHP
\$2207: 08	PHP
\$2208: 0B 0B	ANC # \$0B
\$220A: 0B 0B	ANC # \$0B
\$220C: 0B 0B	ANC # \$0B
\$220E: 0B 0B	ANC # \$0B
\$2210: 0B 0B	ANC # \$0B
\$2212: 0B 0B	ANC # \$0B
\$2214: 0B 0B	ANC # \$0B

\$2216: 0B 0B	ANC #	\$0B
\$2218: 0B 0B	ANC #	\$0B
\$221A: 0A	ASL	
\$221B: 0A	ASL	
\$221C: 0B 0B	ANC #	\$0B
\$221E: 0B 0B	ANC #	\$0B
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\$2221: 08	f2221	PHP
\$2222: 08	a2222	PHP
\$2223: 08	PHP	
\$2224: 08	PHP	
\$2225: 08	PHP	
\$2226: 08	PHP	
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\$2229: 08	PHP	
\$222A: 08	PHP	
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\$222E: 08	PHP	
\$222F: 08	PHP	
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\$2233: 0A	ASL
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\$2235: 08	PHP
\$2236: 08	PHP
\$2237: 08	PHP
\$2238: 08	PHP
\$2239: 08	PHP
\$223A: 08	PHP
\$223B: 08	PHP
\$223C: 08	PHP
\$223D: 08	PHP
\$223E: 08	PHP
\$223F: 08	PHP
\$2240: 0A	ASL
\$2241: 0A	a2241 ASL
\$2242: 08	PHP
\$2243: 08	PHP
\$2244: 08	PHP
\$2245: 08	PHP
\$2246: 08	PHP
\$2247: 08	PHP
\$2248: 0B 0B	ANC # \$0B
\$224A: 0B 0B	ANC # \$0B
\$224C: 0B 0B	ANC # \$0B
\$224E: 0B 0B	ANC # \$0B



\$2250: 0B 0B	ANC # \$0B
\$2252: 0B 0B	ANC # \$0B
\$2254: 0B 0B	ANC # \$0B
\$2256: 0B 0B	ANC # \$0B
\$2258: 0B 0B	ANC # \$0B
\$225A: 0A	ASL
\$225B: 0A	ASL
\$225C: 0B 0B	ANC # \$0B
\$225E: 0B 0B	ANC # \$0B
\$2260: 08	PHP
\$2261: 08	PHP
\$2262: 08	PHP
\$2263: 08	PHP
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\$2265: 08	PHP
\$2266: 08	PHP
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\$2268: 08	PHP
\$2269: 08	PHP
\$226A: 08	PHP
\$226B: 08	PHP
\$226C: 08	PHP
\$226D: 08	PHP
\$226E: 08	PHP
\$226F: 08	PHP

\$2270: 08	PHP
\$2271: 08	PHP
\$2272: 0A	ASL
\$2273: 0A	ASL
\$2274: 08	PHP
\$2275: 08	PHP
\$2276: 08	PHP
\$2277: 08	PHP
\$2278: 08	PHP
\$2279: 08	PHP
\$227A: 08	PHP
\$227B: 08	PHP
\$227C: 08	PHP
\$227D: 08	PHP
\$227E: 08	PHP
\$227F: 08	PHP
\$2280: 0A	ASL
\$2281: 0A	ASL
\$2282: 08	PHP
\$2283: 08	PHP
\$2284: 08	PHP
\$2285: 08	PHP
\$2286: 08	PHP
\$2287: 08	PHP
\$2288: 0B 0B	ANC #0B

\$228A: 0B 0B	ANC # \$0B
\$228C: 0B 0B	ANC # \$0B
\$228E: 0B 0B	ANC # \$0B
\$2290: 0B 0B	ANC # \$0B
\$2292: 0B 0B	ANC # \$0B
\$2294: 0B 0B	ANC # \$0B
\$2296: 0B 0B	ANC # \$0B
\$2298: 0B 0B	ANC # \$0B
\$229A: 0A	ASL
\$229B: 0A	ASL
\$229C: 0B 0B	ANC # \$0B
\$229E: 0B 0B	ANC # \$0B
\$22A0: 08	PHP
\$22A1: 08	PHP
\$22A2: 08	PHP
\$22A3: 08	PHP
\$22A4: 08	PHP
\$22A5: 08	PHP
\$22A6: 0A	ASL
\$22A7: 0A	ASL
\$22A8: 08	PHP
\$22A9: 08	PHP
\$22AA: 0A	ASL
\$22AB: 0A	ASL
\$22AC: 08	PHP

\$22AD: 08	PHP
\$22AE: 08	PHP
\$22AF: 08	PHP
\$22B0: 08	PHP
\$22B1: 08	PHP
\$22B2: 0A	ASL
\$22B3: 0A	ASL
\$22B4: 08	PHP
\$22B5: 08	PHP
\$22B6: 08	PHP
\$22B7: 08	PHP
\$22B8: 08	PHP
\$22B9: 08	PHP
\$22BA: 08	PHP
\$22BB: 08	PHP
\$22BC: 08	PHP
\$22BD: 08	PHP
\$22BE: 08	PHP
\$22BF: 08	PHP
\$22C0: 0A	ASL
\$22C1: 0A	ASL
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\$22C3: 08	PHP
\$22C4: 08	PHP
\$22C5: 08	PHP

\$22C6: 08	PHP
\$22C7: 08	PHP
\$22C8: 08	PHP
\$22C9: 0B 0B	ANC # \$0B
\$22CB: 0B 0B	ANC # \$0B
\$22CD: 0B 0B	ANC # \$0B
\$22CF: 0B 0B	ANC # \$0B
\$22D1: 0B 0B	ANC # \$0B
\$22D3: 0B 0B	ANC # \$0B
\$22D5: 0B 0B	ANC # \$0B
\$22D7: 0B 0B	ANC # \$0B
\$22D9: 0B 0A	ANC # \$0A
\$22DB: 0A	ASL
\$22DC: 0B 0B	ANC # \$0B
\$22DE: 0B 0B	ANC # \$0B
\$22E0: 08	PHP
\$22E1: 08	PHP
\$22E2: 08	PHP
\$22E3: 08	PHP
\$22E4: 08	PHP
\$22E5: 08	PHP
\$22E6: 0A	ASL
\$22E7: 0A	ASL
\$22E8: 08	PHP
\$22E9: 08	PHP

\$22EA: 0A	ASL
\$22EB: 0A	ASL
\$22EC: 08	PHP
\$22ED: 08	PHP
\$22EE: 08	PHP
\$22EF: 08	PHP
\$22F0: 08	PHP
\$22F1: 08	PHP
\$22F2: 0A	ASL
\$22F3: 0A	ASL
\$22F4: 08	PHP
\$22F5: 08	PHP
\$22F6: 08	PHP
\$22F7: 08	PHP
\$22F8: 08	PHP
\$22F9: 08	PHP
\$22FA: 08	PHP
\$22FB: 08	PHP
\$22FC: 08	PHP
\$22FD: 08	PHP
\$22FE: 08	PHP
\$22FF: 08	PHP
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\$2301: 0A	ASL
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\$2305: 08	PHP
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\$2307: 08	PHP
\$2308: 08	PHP
\$2309: 08	PHP
\$230A: 08	PHP
\$230B: 08	PHP
\$230C: 0A	ASL
\$230D: 0A	ASL
\$230E: 0B 0B	ANC # \$0B
\$2310: 0B 0B	ANC # \$0B
\$2312: 0B 0B	ANC # \$0B
\$2314: 0B 0B	ANC # \$0B
\$2316: 0B 0B	ANC # \$0B
\$2318: 0B 0B	ANC # \$0B
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\$231B: 0A	ASL
\$231C: 0B 0B	ANC # \$0B
\$231E: 0B 08	ANC # \$08
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\$2322: 08	f2322 PHP
\$2323: 08	PHP

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\$2327: 0A	ASL
\$2328: 08	PHP
\$2329: 08	PHP
\$232A: 08	PHP
\$232B: 08	PHP
\$232C: 08	PHP
\$232D: 08	PHP
\$232E: 08	PHP
\$232F: 08	PHP
\$2330: 08	PHP
\$2331: 08	PHP
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\$2333: 0A	ASL
\$2334: 08	PHP
\$2335: 08	PHP
\$2336: 08	PHP
\$2337: 08	PHP
\$2338: 08	PHP
\$2339: 08	PHP
\$233A: 08	PHP
\$233B: 08	PHP
\$233C: 08	PHP



\$233D: 08	PHP
\$233E: 08	PHP
\$233F: 08	PHP
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\$2341: 0A	ASL
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\$2343: 08	PHP
\$2344: 08	PHP
\$2345: 08	PHP
\$2346: 08	PHP
\$2347: 08	PHP
\$2348: 08	PHP
\$2349: 08	PHP
\$234A: 08	PHP
\$234B: 08	PHP
\$234C: 0A	ASL
\$234D: 0A	ASL
\$234E: 0B 0B	ANC # \$0B
\$2350: 0B 0B	ANC # \$0B
\$2352: 0B 0B	ANC # \$0B
\$2354: 0B 0B	ANC # \$0B
\$2356: 0B 0B	ANC # \$0B
\$2358: 0B 0B	ANC # \$0B
\$235A: 0A	ASL
\$235B: 0A	ASL

\$235C: 0B 0B	ANC #	\$0B
\$235E: 08	PHP	
\$235F: 08	PHP	
\$2360: 08	PHP	
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\$2362: 08	s2362	PHP
\$2363: 08	PHP	
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\$2365: 08	PHP	
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\$2367: 0A	ASL	
\$2368: 08	PHP	
\$2369: 08	PHP	
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\$236B: 08	PHP	
\$236C: 08	PHP	
\$236D: 08	PHP	
\$236E: 08	PHP	
\$236F: 08	PHP	
\$2370: 08	PHP	
\$2371: 08	s2371	PHP
\$2372: 0A	ASL	
\$2373: 0A	ASL	
\$2374: 08	PHP	
\$2375: 08	PHP	

\$2376: 08	PHP
\$2377: 08	PHP
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\$2379: 08	PHP
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\$237B: 08	PHP
\$237C: 08	PHP
\$237D: 08	PHP
\$237E: 08	PHP
\$237F: 08	PHP
\$2380: 0A	ASL
\$2381: 0A	ASL
\$2382: 08	PHP
\$2383: 08	PHP
\$2384: 08	PHP
\$2385: 08	PHP
\$2386: 08	PHP
\$2387: 08	PHP
\$2388: 08	PHP
\$2389: 08	PHP
\$238A: 08	PHP
\$238B: 08	PHP
\$238C: 0A	ASL
\$238D: 0A	ASL
\$238E: 0B 0B	ANC #0B

\$2390: 0B 0B	ANC # \$0B
\$2392: 0B 0B	ANC # \$0B
\$2394: 0B 0B	ANC # \$0B
\$2396: 0B 0B	ANC # \$0B
\$2398: 0B 0B	ANC # \$0B
\$239A: 0A	ASL
\$239B: 0A	ASL
\$239C: 0B 0B	ANC # \$0B
\$239E: 08	PHP
\$239F: 08	PHP
\$23A0: 08	PHP
\$23A1: 08	PHP
\$23A2: 08	PHP
\$23A3: 08	PHP
\$23A4: 08	PHP
\$23A5: 08	PHP
\$23A6: 0A	ASL
\$23A7: 0A	ASL
\$23A8: 08	PHP
\$23A9: 08	PHP
\$23AA: 08	PHP
\$23AB: 08	PHP
\$23AC: 08	s23AC PHP
\$23AD: 08	PHP
\$23AE: 08	PHP

\$23AF: 08	PHP
\$23B0: 08	PHP
\$23B1: 08	PHP
\$23B2: 0A	ASL
\$23B3: 0A	ASL
\$23B4: 08	PHP
\$23B5: 08	PHP
\$23B6: 08	PHP
\$23B7: 08	PHP
\$23B8: 08	PHP
\$23B9: 08	PHP
\$23BA: 08	PHP
\$23BB: 08	PHP
\$23BC: 08	s23BC PHP
\$23BD: 08	PHP
\$23BE: 08	PHP
\$23BF: 08	PHP
\$23C0: 0A	ASL
\$23C1: 0A	ASL
\$23C2: 08	PHP
\$23C3: 08	PHP
\$23C4: 08	PHP
\$23C5: 08	PHP
\$23C6: 08	PHP
\$23C7: 08	PHP

\$23C8: 08	PHP
\$23C9: 08	PHP
\$23CA: 08	PHP
\$23CB: 08	PHP
\$23CC: 0A	ASL
\$23CD: 0A	ASL
\$23CE: 0B 0B	ANC # \$0B
\$23D0: 0B 0B	ANC # \$0B
\$23D2: 0B 0B	ANC # \$0B
\$23D4: 0B 0B	ANC # \$0B
\$23D6: 0B 0B	ANC # \$0B
\$23D8: 0B 0B	ANC # \$0B
\$23DA: 0A	ASL
\$23DB: 0A	ASL
\$23DC: 0B 0B	ANC # \$0B
\$23DE: 08	PHP
\$23DF: 08	PHP
\$23E0: 08	PHP
\$23E1: 08	PHP
\$23E2: 08	PHP
\$23E3: 08	PHP
\$23E4: 08	PHP
\$23E5: 08	PHP
\$23E6: 0A	ASL
\$23E7: 0A	ASL

\$23E8: 08	PHP
\$23E9: 08	PHP
\$23EA: 08	PHP
\$23EB: 08	PHP
\$23EC: 08	PHP
\$23ED: 08	PHP
\$23EE: 08	PHP
\$23EF: 08	PHP
\$23F0: 08	PHP
\$23F1: 08	PHP
\$23F2: 0A	s23F2 ASL
\$23F3: 0A	ASL
\$23F4: 08	PHP
\$23F5: 08	PHP
\$23F6: 08	PHP
\$23F7: 08	PHP
\$23F8: 08	PHP
\$23F9: 08	PHP
\$23FA: 08	PHP
\$23FB: 08	PHP
\$23FC: 08	PHP
\$23FD: 08	PHP
\$23FE: 08	PHP
\$23FF: 08	PHP
\$2400: 0A	ASL

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\$2D8D: 0A	ASL
\$2D8E: 0B 0B	ANC # \$0B
\$2D90: 0B 0B	ANC # \$0B
\$2D92: 0B 0B	ANC # \$0B
\$2D94: 08	PHP
\$2D95: 0B 0B	ANC # \$0B
\$2D97: 0B 08	ANC # \$08
\$2D99: 08	PHP

\$2D9A: 0A	ASL
\$2D9B: 0A	ASL
\$2D9C: 08	PHP
\$2D9D: 08	PHP
\$2D9E: 08	PHP
\$2D9F: 08	PHP
\$2DA0: 08	PHP
\$2DA1: 08	PHP
\$2DA2: 08	PHP
\$2DA3: 08	PHP
\$2DA4: 08	PHP
\$2DA5: 08	PHP
\$2DA6: 0A	ASL
\$2DA7: 0A	ASL
\$2DA8: 08	PHP
\$2DA9: 08	PHP
\$2DAA: 08	PHP
\$2DAB: 08	PHP
\$2DAC: 08	PHP
\$2DAD: 08	PHP
\$2DAE: 08	PHP
\$2DAF: 08	PHP
\$2DB0: 08	PHP
\$2DB1: 08	PHP
\$2DB2: 0A	ASL



\$2DB3: 0A	ASL
\$2DB4: 0A	ASL
\$2DB5: 0A	ASL
\$2DB6: 08	PHP
\$2DB7: 08	PHP
\$2DB8: 08	PHP
\$2DB9: 08	PHP
\$2DBA: 08	PHP
\$2DBB: 08	PHP
\$2DBC: 08	PHP
\$2DBD: 08	PHP
\$2DBE: 08	PHP
\$2DBF: 08	PHP
\$2DC0: 0A	f2DC0 ASL
\$2DC1: 0A	ASL
\$2DC2: 08	PHP
\$2DC3: 08	PHP
\$2DC4: 08	PHP
\$2DC5: 08	PHP
\$2DC6: 08	PHP
\$2DC7: 08	PHP
\$2DC8: 08	PHP
\$2DC9: 08	PHP
\$2DCA: 08	PHP
\$2DCB: 08	PHP

\$2DCC: 0A	ASL
\$2DCD: 0A	ASL
\$2DCE: 0B 0B	ANC # \$0B
\$2DD0: 0B 0B	ANC # \$0B
\$2DD2: 0B 0B	ANC # \$0B
\$2DD4: 0B 08	ANC # \$08
\$2DD6: 0B 0B	ANC # \$0B
\$2DD8: 0B 08	ANC # \$08
\$2DDA: 0A	ASL
\$2DDB: 0A	ASL
\$2DDC: 08	PHP
\$2DDD: 08	PHP
\$2DDE: 08	PHP
\$2DDF: 08	PHP
\$2DE0: 08	PHP
\$2DE1: 08	PHP
\$2DE2: 08	PHP
\$2DE3: 08	PHP
\$2DE4: 08	PHP
\$2DE5: 08	PHP
\$2DE6: 0A	ASL
\$2DE7: 0A	ASL
\$2DE8: 0B 0B	ANC # \$0B
\$2DEA: 08	PHP
\$2DEB: 08	a2DEB PHP

\$2DEC: 08	PHP
\$2DED: 08	PHP
\$2DEE: 08	PHP
\$2DEF: 08	PHP
\$2DF0: 08	PHP
\$2DF1: 08	PHP
\$2DF2: 0A	ASL
\$2DF3: 0A	ASL
\$2DF4: 0A	ASL
\$2DF5: 0A	ASL
\$2DF6: 08	PHP
\$2DF7: 08	PHP
\$2DF8: 08	PHP
\$2DF9: 08	PHP
\$2DFA: 08	PHP
\$2DFB: 08	PHP
\$2DFC: 08	PHP
\$2DFD: 08	PHP
\$2DFE: 08	PHP
\$2DFF: 08	PHP
\$2E00: 0A	s2E00 ASL
\$2E01: 0A	ASL
\$2E02: 08	PHP
\$2E03: 08	PHP
\$2E04: 08	PHP

\$2E05: 08	PHP
\$2E06: 08	PHP
\$2E07: 08	PHP
\$2E08: 08	PHP
\$2E09: 08	PHP
\$2E0A: 08	PHP
\$2E0B: 08	PHP
\$2E0C: 0A	ASL
\$2E0D: 0A	ASL
\$2E0E: 08	PHP
\$2E0F: 0B 0B	ANC # \$0B
\$2E11: 0B 0B	ANC # \$0B
\$2E13: 0B 0B	ANC # \$0B
\$2E15: 0B 0B	ANC # \$0B
\$2E17: 0B 0B	ANC # \$0B
\$2E19: 0B 0B	ANC # \$0B
\$2E1B: 0B 0B	ANC # \$0B
\$2E1D: 0B 0B	ANC # \$0B
\$2E1F: 0B 0B	ANC # \$0B
\$2E21: 0B 0B	ANC # \$0B
\$2E23: 0B 08	ANC # \$08
\$2E25: 08	PHP
\$2E26: 0A	ASL
\$2E27: 0A	ASL
\$2E28: 0B 0B	ANC # \$0B

\$2E2A: 08	PHP
\$2E2B: 08	PHP
\$2E2C: 08	PHP
\$2E2D: 08	PHP
\$2E2E: 08	a2E2E PHP
\$2E2F: 08	PHP
\$2E30: 08	PHP
\$2E31: 08	PHP
\$2E32: 08	PHP
\$2E33: 08	PHP
\$2E34: 08	PHP
\$2E35: 08	PHP
\$2E36: 08	PHP
\$2E37: 08	PHP
\$2E38: 08	PHP
\$2E39: 08	PHP
\$2E3A: 08	PHP
\$2E3B: 08	PHP
\$2E3C: 08	PHP
\$2E3D: 08	PHP
\$2E3E: 08	PHP
\$2E3F: 08	PHP
\$2E40: 0A	f2E40 ASL
\$2E41: 0A	ASL
\$2E42: 08	PHP

\$2E43: 08	PHP
\$2E44: 08	PHP
\$2E45: 08	PHP
\$2E46: 08	PHP
\$2E47: 08	PHP
\$2E48: 08	PHP
\$2E49: 08	PHP
\$2E4A: 08	PHP
\$2E4B: 08	PHP
\$2E4C: 0A	ASL
\$2E4D: 0A	ASL
\$2E4E: 08	PHP
\$2E4F: 08	PHP
\$2E50: 0B 0B	ANC # \$0B
\$2E52: 0B 0B	ANC # \$0B
\$2E54: 0B 0B	a2E54 ANC # \$0B
\$2E56: 0B 0B	ANC # \$0B
\$2E58: 0B 0B	ANC # \$0B
\$2E5A: 0B 0B	ANC # \$0B
\$2E5C: 0B 0B	ANC # \$0B
\$2E5E: 0B 0B	ANC # \$0B
\$2E60: 0B 0B	ANC # \$0B
\$2E62: 0B 0B	ANC # \$0B
\$2E64: 08	PHP
\$2E65: 08	PHP

\$2E66: 0A	ASL
\$2E67: 0A	ASL
\$2E68: 0B 0B	ANC #0B
\$2E6A: 08	PHP
\$2E6B: 08	PHP
\$2E6C: 08	PHP
\$2E6D: 08	PHP
\$2E6E: 08	PHP
\$2E6F: 08	PHP
\$2E70: 08	PHP
\$2E71: 08	PHP
\$2E72: 08	PHP
\$2E73: 08	PHP
\$2E74: 08	PHP
\$2E75: 08	PHP
\$2E76: 08	PHP
\$2E77: 08	PHP
\$2E78: 08	PHP
\$2E79: 08	PHP
\$2E7A: 08	PHP
\$2E7B: 08	PHP
\$2E7C: 08	PHP
\$2E7D: 08	PHP
\$2E7E: 08	PHP
\$2E7F: 08	PHP

\$2E80: 0A	f2E80 ASL
\$2E81: 0A	ASL
\$2E82: 08	PHP
\$2E83: 08	PHP
\$2E84: 08	PHP
\$2E85: 08	PHP
\$2E86: 08	PHP
\$2E87: 08	PHP
\$2E88: 08	PHP
\$2E89: 08	PHP
\$2E8A: 08	PHP
\$2E8B: 08	PHP
\$2E8C: 0A	ASL
\$2E8D: 0A	ASL
\$2E8E: 08	PHP
\$2E8F: 08	PHP
\$2E90: 0B 0B	ANC # \$0B
\$2E92: 0B 0B	ANC # \$0B
\$2E94: 0B 0B	ANC # \$0B
\$2E96: 0B 0B	ANC # \$0B
\$2E98: 0B 0B	ANC # \$0B
\$2E9A: 0B 0B	ANC # \$0B
\$2E9C: 0B 0B	ANC # \$0B
\$2E9E: 0B 0B	ANC # \$0B
\$2EA0: 0B 0B	ANC # \$0B



\$2EA2: 08	PHP
\$2EA3: 08	PHP
\$2EA4: 08	PHP
\$2EA5: 08	PHP
\$2EA6: 0A	ASL
\$2EA7: 0A	ASL
\$2EA8: 0B 0B	ANC # \$0B
\$2EAA: 08	PHP
\$2EAB: 08	PHP
\$2EAC: 08	PHP
\$2EAD: 08	PHP
\$2EAE: 08	f2EAE PHP
\$2EAF: 08	PHP
\$2EB0: 08	PHP
\$2EB1: 08	PHP
\$2EB2: 08	PHP
\$2EB3: 08	PHP
\$2EB4: 08	PHP
\$2EB5: 08	PHP
\$2EB6: 08	PHP
\$2EB7: 08	PHP
\$2EB8: 08	PHP
\$2EB9: 08	PHP
\$2EBA: 08	PHP
\$2EBB: 08	PHP

\$2EBC: 08	PHP
\$2EBD: 08	PHP
\$2EBE: 08	PHP
\$2EBF: 08	PHP
\$2EC0: 0A	f2EC0 ASL
\$2EC1: 0A	ASL
\$2EC2: 08	PHP
\$2EC3: 08	PHP
\$2EC4: 08	PHP
\$2EC5: 08	PHP
\$2EC6: 08	PHP
\$2EC7: 08	PHP
\$2EC8: 08	PHP
\$2EC9: 08	PHP
\$2ECA: 08	PHP
\$2ECB: 08	PHP
\$2ECC: 0A	ASL
\$2ECD: 0A	ASL
\$2ECE: 08	PHP
\$2ECF: 08	PHP
\$2ED0: 0B 0B	ANC # \$0B
\$2ED2: 0B 0B	ANC # \$0B
\$2ED4: 0B 0B	ANC # \$0B
\$2ED6: 0B 0B	ANC # \$0B
\$2ED8: 0B 0B	ANC # \$0B

\$2EDA: 0B 0B	ANC #0B
\$2EDC: 0B 0B	ANC #0B
\$2EDE: 0B 0B	ANC #0B
\$2EE0: 0B 0B	ANC #0B
\$2EE2: 08	PHP
\$2EE3: 08	PHP
\$2EE4: 08	PHP
\$2EE5: 08	PHP
\$2EE6: 0A	ASL
\$2EE7: 0A	ASL
\$2EE8: 0B 0B	ANC #0B
\$2EEA: 0B 08	ANC #08
\$2EEC: 08	PHP
\$2EED: 08	PHP
\$2EEE: 08	PHP
\$2EEF: 08	PHP
\$2EF0: 08	PHP
\$2EF1: 08	PHP
\$2EF2: 08	PHP
\$2EF3: 08	PHP
\$2EF4: 08	PHP
\$2EF5: 08	PHP
\$2EF6: 08	PHP
\$2EF7: 08	PHP
\$2EF8: 08	PHP

\$2EF9: 08	PHP
\$2EFA: 08	PHP
\$2EFB: 08	PHP
\$2EFC: 08	PHP
\$2EFD: 08	PHP
\$2EFE: 08	PHP
\$2EFF: 08	PHP
\$2F00: 0A	a2F00 ASL
\$2F01: 0A	ASL
\$2F02: 08	PHP
\$2F03: 08	PHP
\$2F04: 08	PHP
\$2F05: 08	PHP
\$2F06: 08	PHP
\$2F07: 08	PHP
\$2F08: 08	PHP
\$2F09: 08	PHP
\$2F0A: 08	PHP
\$2F0B: 08	PHP
\$2F0C: 0A	ASL
\$2F0D: 0A	ASL
\$2F0E: 0B 0B	ANC #0B
\$2F10: 0B 0B	ANC #0B
\$2F12: 08	PHP
\$2F13: 0B 0B	ANC #0B

\$2F15: 0B 0B	ANC # \$0B
\$2F17: 0B 0B	ANC # \$0B
\$2F19: 0B 0B	ANC # \$0B
\$2F1B: 0B 0B	ANC # \$0B
\$2F1D: 0B 0B	ANC # \$0B
\$2F1F: 0B 0B	ANC # \$0B
\$2F21: 0B 08	ANC # \$08
\$2F23: 08	PHP
\$2F24: 08	PHP
\$2F25: 08	PHP
\$2F26: 0A	ASL
\$2F27: 0A	ASL
\$2F28: 08	PHP
\$2F29: 0B 0B	ANC # \$0B
\$2F2B: 0B 08	ANC # \$08
\$2F2D: 08	PHP
\$2F2E: 08	a2F2E PHP
\$2F2F: 08	f2F2F PHP
\$2F30: 08	PHP
\$2F31: 08	PHP
\$2F32: 08	PHP
\$2F33: 08	PHP
\$2F34: 08	PHP
\$2F35: 08	PHP
\$2F36: 08	PHP

\$2F37: 08	PHP
\$2F38: 08	PHP
\$2F39: 08	PHP
\$2F3A: 08	PHP
\$2F3B: 08	PHP
\$2F3C: 08	PHP
\$2F3D: 08	PHP
\$2F3E: 08	PHP
\$2F3F: 08	PHP
\$2F40: 0A	f2F40 ASL
\$2F41: 0A	ASL
\$2F42: 08	PHP
\$2F43: 08	PHP
\$2F44: 08	PHP
\$2F45: 08	PHP
\$2F46: 08	PHP
\$2F47: 08	PHP
\$2F48: 08	PHP
\$2F49: 08	PHP
\$2F4A: 08	PHP
\$2F4B: 08	PHP
\$2F4C: 0A	ASL
\$2F4D: 0A	ASL
\$2F4E: 0B 0B	ANC #0B
\$2F50: 0B 0B	ANC #0B

\$2F52: 08	PHP
\$2F53: 08	PHP
\$2F54: 0B 0B	ANC # \$0B
\$2F56: 0B 0B	ANC # \$0B
\$2F58: 08	PHP
\$2F59: 0B 0B	ANC # \$0B
\$2F5B: 08	PHP
\$2F5C: 08	PHP
\$2F5D: 08	PHP
\$2F5E: 0B 0B	ANC # \$0B
\$2F60: 0B 0B	ANC # \$0B
\$2F62: 08	PHP
\$2F63: 08	PHP
\$2F64: 08	PHP
\$2F65: 08	PHP
\$2F66: 0A	ASL
\$2F67: 0A	ASL
\$2F68: 08	PHP
\$2F69: 08	PHP
\$2F6A: 0B 0B	ANC # \$0B
\$2F6C: 08	PHP
\$2F6D: 08	PHP
\$2F6E: 08	PHP
\$2F6F: 08	PHP
\$2F70: 08	PHP

\$2F71: 08	PHP
\$2F72: 08	PHP
\$2F73: 08	PHP
\$2F74: 08	PHP
\$2F75: 08	PHP
\$2F76: 08	PHP
\$2F77: 08	PHP
\$2F78: 08	PHP
\$2F79: 08	PHP
\$2F7A: 08	PHP
\$2F7B: 08	PHP
\$2F7C: 08	PHP
\$2F7D: 08	PHP
\$2F7E: 08	PHP
\$2F7F: 08	PHP
\$2F80: 0A	f2F80 ASL
\$2F81: 0A	ASL
\$2F82: 08	PHP
\$2F83: 08	PHP
\$2F84: 08	PHP
\$2F85: 08	PHP
\$2F86: 08	PHP
\$2F87: 08	PHP
\$2F88: 08	PHP
\$2F89: 08	PHP



\$2F8A: 08	PHP
\$2F8B: 08	PHP
\$2F8C: 0A	ASL
\$2F8D: 0A	ASL
\$2F8E: 08	PHP
\$2F8F: 08	PHP
\$2F90: 08	PHP
\$2F91: 08	PHP
\$2F92: 08	PHP
\$2F93: 08	PHP
\$2F94: 08	PHP
\$2F95: 08	PHP
\$2F96: 08	PHP
\$2F97: 08	PHP
\$2F98: 08	PHP
\$2F99: 08	PHP
\$2F9A: 0A	ASL
\$2F9B: 0A	ASL
\$2F9C: 08	PHP
\$2F9D: 08	PHP
\$2F9E: 08	PHP
\$2F9F: 08	PHP
\$2FA0: 08	PHP
\$2FA1: 08	PHP
\$2FA2: 08	PHP

\$2FA3: 08	PHP
\$2FA4: 08	PHP
\$2FA5: 08	PHP
\$2FA6: 0A	ASL
\$2FA7: 0A	ASL
\$2FA8: 08	PHP
\$2FA9: 08	PHP
\$2FAA: 08	PHP
\$2FAB: 08	PHP
\$2FAC: 0B 0B	ANC # \$0B
\$2FAE: 08	PHP
\$2FAF: 08	PHP
\$2FB0: 08	PHP
\$2FB1: 08	PHP
\$2FB2: 08	PHP
\$2FB3: 08	PHP
\$2FB4: 08	PHP
\$2FB5: 08	PHP
\$2FB6: 08	PHP
\$2FB7: 08	PHP
\$2FB8: 08	PHP
\$2FB9: 08	PHP
\$2FBA: 0B 0B	ANC # \$0B
\$2FBC: 08	PHP
\$2FBD: 08	PHP

\$2FBE: 08	PHP
\$2FBF: 08	f2FBF PHP
\$2FC0: 0A	f2FC0 ASL
\$2FC1: 0A	ASL
\$2FC2: 08	PHP
\$2FC3: 08	PHP
\$2FC4: 08	PHP
\$2FC5: 08	PHP
\$2FC6: 08	PHP
\$2FC7: 08	PHP
\$2FC8: 08	PHP
\$2FC9: 08	PHP
\$2FCA: 08	PHP
\$2FCB: 08	PHP
\$2FCC: 0A	ASL
\$2FCD: 0A	ASL
\$2FCE: 08	PHP
\$2FCF: 08	PHP
\$2FD0: 08	PHP
\$2FD1: 08	PHP
\$2FD2: 08	PHP
\$2FD3: 08	PHP
\$2FD4: 08	PHP
\$2FD5: 08	PHP
\$2FD6: 08	PHP

\$2FD7: 08	PHP
\$2FD8: 08	PHP
\$2FD9: 08	PHP
\$2FDA: 0A	ASL
\$2FDB: 0A	ASL
\$2FDC: 08	PHP
\$2FDD: 08	PHP
\$2FDE: 08	PHP
\$2FDF: 08	PHP
\$2FE0: 08	PHP
\$2FE1: 08	PHP
\$2FE2: 08	PHP
\$2FE3: 08	PHP
\$2FE4: 08	PHP
\$2FE5: 08	PHP
\$2FE6: 0A	ASL
\$2FE7: 0A	ASL
\$2FE8: 08	PHP
\$2FE9: 08	PHP
\$2FEA: 08	PHP
\$2FEB: 08	PHP
\$2FEC: 0B 0B	ANC #0B
\$2FEE: 08	PHP
\$2FEF: 08	PHP
\$2FF0: 08	PHP

\$2FF1: 08	PHP
\$2FF2: 08	PHP
\$2FF3: 08	PHP
\$2FF4: 08	PHP
\$2FF5: 08	PHP
\$2FF6: 08	PHP
\$2FF7: 08	PHP
\$2FF8: 08	PHP
\$2FF9: 08	PHP
\$2FFA: 0B 0B	ANC # \$0B
\$2FFC: 08	PHP
\$2FFD: 08	PHP
\$2FFE: 08	PHP
\$2FFF: 08	PHP
\$3000: 09 08	ORA # \$08
\$3002: 02	JAM
\$3003: 02	JAM
\$3004: 02	JAM
\$3005: 02	JAM
\$3006: 02	JAM
\$3007: 02	JAM
\$3008: 02	JAM
\$3009: 02	JAM
\$300A: 02	JAM
\$300B: 02	JAM

\$300C: 09 08      ORA #08

\$300E: 02      JAM

\$300F: 02      JAM

\$3010: 02      JAM

\$3011: 02      JAM

\$3012: 02      JAM

\$3013: 02      JAM

\$3014: 02      JAM

\$3015: 02      JAM

\$3016: 02      JAM

\$3017: 02      JAM

\$3018: 02      a3018 JAM

\$3019: 02      JAM

\$301A: 02      JAM

\$301B: 02      JAM

\$301C: 02      JAM

\$301D: 02      JAM

\$301E: 02      JAM

\$301F: 02      JAM

\$3020: 02      s3020 JAM

\$3021: 02      JAM

\$3022: 02      JAM

\$3023: 02      JAM

\$3024: 02      JAM

\$3025: 02      JAM

\$3026: 09 08      ORA #08

\$3028: 02      s3028 JAM

\$3029: 02      JAM

\$302A: 02      JAM

\$302B: 02      JAM

\$302C: 02      JAM

\$302D: 02      a302D JAM

\$302E: 02      JAM

\$302F: 02      JAM

\$3030: 02      f3030 JAM

\$3031: 02      JAM

\$3032: 02      f3032 JAM

\$3033: 02      a3033 JAM

\$3034: 02      JAM

\$3035: 02      s3035 JAM

\$3036: 02      f3036 JAM

\$3037: 02      JAM

\$3038: 02      JAM

\$3039: 02      JAM

\$303A: 02      JAM

\$303B: 02      JAM

\$303C: 02      a303C JAM

\$303D: 02      JAM

\$303E: 02      JAM

\$303F: 02      JAM

\$3040: 06 05	a3040 ASL a05
\$3042: 0B 0B	ANC # \$0B
\$3044: 0B 0B	ANC # \$0B
\$3046: 0B 0B	ANC # \$0B
\$3048: 0B 0B	ANC # \$0B
\$304A: 0B 0B	ANC # \$0B
\$304C: 06 05	ASL a05
\$304E: 0B 0B	ANC # \$0B
\$3050: 0B 0B	ANC # \$0B
\$3052: 0B 0B	ANC # \$0B
\$3054: 0B 0B	ANC # \$0B
\$3056: 0B 0B	ANC # \$0B
\$3058: 0B 0B	ANC # \$0B
\$305A: 06 05	ASL a05
\$305C: 0B 0B	ANC # \$0B
\$305E: 0B 0B	ANC # \$0B
\$3060: 0B 0B	ANC # \$0B
\$3062: 0B 0B	ANC # \$0B
\$3064: 0B 0B	ANC # \$0B
\$3066: 0B 0B	ANC # \$0B
\$3068: 0B 0B	ANC # \$0B
\$306A: 0B 0B	ANC # \$0B
\$306C: 0B 0B	ANC # \$0B
\$306E: 0B 0B	ANC # \$0B
\$3070: 0B 0B	ANC # \$0B



\$3072: 06 05	ASL a05
\$3074: 0B 0B	ANC # \$0B
\$3076: 0B 0B	ANC # \$0B
\$3078: 0B 0B	ANC # \$0B
\$307A: 0B 0B	ANC # \$0B
\$307C: 0B 0B	ANC # \$0B
\$307E: 0B 0B	ANC # \$0B
\$3080: 04 07	NOP a07
\$3082: 00 00	BRK # \$00
\$3084: 00 00	BRK # \$00
\$3086: 00 00	BRK # \$00
\$3088: 00 00	BRK # \$00
\$308A: 00 00	BRK # \$00
\$308C: 04 07	NOP a07
\$308E: 00 00	BRK # \$00
\$3090: 00 00	BRK # \$00
\$3092: 00 00	BRK # \$00
\$3094: 00 00	BRK # \$00
\$3096: 00 00	BRK # \$00
\$3098: 00 00	BRK # \$00
\$309A: 04 07	NOP a07
\$309C: 52	JAM
\$309D: 12	JAM
\$309E: 7C 7D 00	NOP f007D,X
\$30A1: 00 00	BRK # \$00

\$30A3: 00 00	BRK # \$00
\$30A5: 00 26	BRK # \$26
\$30A7: 27 00	RLA a00
\$30A9: 00 00	BRK # \$00
\$30AB: 00 00	BRK # \$00
\$30AD: 00 00	BRK # \$00
\$30AF: 00 00	BRK # \$00
\$30B1: 00 04	BRK # \$04
\$30B3: 07 00	SLO a00
\$30B5: 00 00	BRK # \$00
\$30B7: 00 00	BRK # \$00
\$30B9: 00 00	BRK # \$00
\$30BB: 00 00	BRK # \$00
\$30BD: 00 20	BRK # \$20
\$30BF: 21 04	AND (p04,X)
\$30C1: 07 00	SLO a00
\$30C3: 00 00	BRK # \$00
\$30C5: 00 00	BRK # \$00
\$30C7: 00 00	BRK # \$00
\$30C9: 00 00	BRK # \$00
\$30CB: 00 04	BRK # \$04
\$30CD: 07 00	SLO a00
\$30CF: 00 00	BRK # \$00
\$30D1: 00 00	BRK # \$00
\$30D3: 00 00	BRK # \$00

\$30D5: 00 00 f30D5 BRK # \$00

\$30D7: 00 00 BRK # \$00

\$30D9: 00 04 BRK # \$04

\$30DB: 07 13 SLO a13

\$30DD: 14 7E NOP f7E,X

\$30DF: 7F 00 00 RRA e0000,X

\$30E2: 00 00 BRK # \$00

\$30E4: 00 00 BRK # \$00

\$30E6: 28 PLP

\$30E7: 29 00 AND # \$00

\$30E9: 00 00 BRK # \$00

\$30EB: 00 00 BRK # \$00

\$30ED: 00 00 BRK # \$00

f30F0 =\*+ \$01

\$30EF: 00 00 BRK # \$00

\$30F1: 00 04 BRK # \$04

\$30F3: 07 00 SLO a00

\$30F5: 00 00 BRK # \$00

\$30F7: 00 00 BRK # \$00

\$30F9: 00 00 BRK # \$00

\$30FB: 00 00 BRK # \$00

\$30FD: 00 1D BRK # \$1D

f3101 =\*+ \$02

\$30FF: 1F 04 07 SLO f0704,X

\$3102: 00 00 BRK # \$00

\$3104: 00 00	BRK # \$00
\$3106: 00 00	BRK # \$00
\$3108: 00 00	BRK # \$00
\$310A: 00 00	BRK # \$00
\$310C: 04 07	a310C NOP a07
\$310E: 00 00	BRK # \$00
\$3110: 00 00	BRK # \$00
\$3112: 00 00	BRK # \$00
\$3114: 00 00	BRK # \$00
\$3116: 00 00	BRK # \$00
\$3118: 00 00	BRK # \$00
\$311A: 04 07	NOP a07
\$311C: 74 75	NOP f75,X
\$311E: 00 00	BRK # \$00
\$3120: 00 00	BRK # \$00
\$3122: 00 00	BRK # \$00
\$3124: 00 00	BRK # \$00
\$3126: 00 00	BRK # \$00
\$3128: 00 00	BRK # \$00
\$312A: 00 00	BRK # \$00
\$312C: 00 00	BRK # \$00
\$312E: 00 00	BRK # \$00
\$3130: 52	f3130 JAM
\$3131: 12	a3131 JAM
\$3132: 04 07	NOP a07

\$3134: 00 00 BRK # \$00

\$3136: 00 00 BRK # \$00

\$3138: 00 00 BRK # \$00

\$313A: 00 00 BRK # \$00

\$313C: 00 00 BRK # \$00

\$313E: 00 00 BRK # \$00

\$3140: 04 07 NOP a07

\$3142: 00 00 BRK # \$00

\$3144: 00 00 BRK # \$00

a3147 =\*+ \$01

\$3146: 00 00 BRK # \$00

\$3148: 00 00 BRK # \$00

\$314A: 00 00 BRK # \$00

\$314C: 0A ASL

\$314D: 0C 00 00 NOP e0000

\$3150: 00 00 BRK # \$00

\$3152: 00 00 BRK # \$00

\$3154: 00 00 BRK # \$00

\$3156: 00 00 BRK # \$00

\$3158: 00 00 BRK # \$00

\$315A: 04 07 NOP a07

\$315C: 76 77 ROR f77,X

\$315E: 00 00 BRK # \$00

\$3160: 00 00 BRK # \$00

\$3162: 00 00 BRK # \$00

\$3164: 00 00	BRK # \$00
\$3166: 00 00	BRK # \$00
\$3168: 00 00	BRK # \$00
\$316A: 00 00	BRK # \$00
\$316C: 00 00	BRK # \$00
\$316E: 00 00	BRK # \$00
\$3170: 13 14	SLO (p14),Y
\$3172: 04 07	NOP a07
\$3174: 00 00	BRK # \$00
\$3176: 00 00	BRK # \$00
\$3178: 00 00	BRK # \$00
\$317A: 00 00	BRK # \$00
\$317C: 00 00	BRK # \$00
\$317E: 00 00	BRK # \$00
\$3180: 04 07	NOP a07
\$3182: 00 00	BRK # \$00
\$3184: 00 00	BRK # \$00
\$3186: 00 00	BRK # \$00
\$3188: 00 00	BRK # \$00
\$318A: 00 00	BRK # \$00
\$318C: 00 00	BRK # \$00
\$318E: 00 00	BRK # \$00
\$3190: 00 00	BRK # \$00
\$3192: 00 00	BRK # \$00
\$3194: 00 00	BRK # \$00

\$3196: 00 00	BRK # \$00
\$3198: 00 00	BRK # \$00
\$319A: 04 07	NOP a07
\$319C: 52	JAM
\$319D: 12	JAM
\$319E: 70 71	BVS b3211
\$31A0: 00 00	BRK # \$00
\$31A2: 00 00	BRK # \$00
\$31A4: 00 00	BRK # \$00
\$31A6: 00 00	BRK # \$00
\$31A8: 00 00	BRK # \$00
\$31AA: 00 00	BRK # \$00
\$31AC: 00 00	BRK # \$00
\$31AE: 00 00	BRK # \$00
\$31B0: 00 00	BRK # \$00
\$31B2: 04 07	NOP a07
\$31B4: 00 00	BRK # \$00
\$31B6: 00 00	BRK # \$00
\$31B8: 00 00	BRK # \$00
\$31BA: 11 12	ORA (p12),Y
\$31BC: 00 00	BRK # \$00
\$31BE: 00 00	BRK # \$00
\$31C0: 04 07	NOP a07
\$31C2: 00 00	BRK # \$00
\$31C4: 00 00	BRK # \$00

\$31C6: 00 00	BRK # \$00
\$31C8: 00 00	BRK # \$00
\$31CA: 00 00	BRK # \$00
\$31CC: 00 00	a31CC BRK # \$00
\$31CE: 00 00	BRK # \$00
\$31D0: 00 00	BRK # \$00
\$31D2: 00 00	BRK # \$00
\$31D4: 00 00	BRK # \$00
\$31D6: 00 00	BRK # \$00
\$31D8: 00 00	BRK # \$00
\$31DA: 04 07	NOP a07
\$31DC: 13 14	SLO (p14),Y
\$31DE: 72	JAM
\$31DF: 73 00	RRA (p00),Y
\$31E1: 00 00	BRK # \$00
\$31E3: 00 00	BRK # \$00
\$31E5: 00 00	BRK # \$00
\$31E7: 00 00	BRK # \$00
\$31E9: 00 00	BRK # \$00
\$31EB: 00 00	BRK # \$00
\$31ED: 00 00	BRK # \$00
\$31EF: 00 00	BRK # \$00
\$31F1: 00 04	BRK # \$04
\$31F3: 07 00	SLO a00
\$31F5: 00 00	BRK # \$00



\$31F7: 00 00	BRK # \$00
\$31F9: 00 13	BRK # \$13
\$31FB: 14 00	NOP f00,X
\$31FD: 00 00	BRK # \$00
\$31FF: 00 04	BRK # \$04
\$3201: 07 00	SLO a00
\$3203: 00 00	BRK # \$00
\$3205: 00 00	BRK # \$00
\$3207: 00 00	BRK # \$00
\$3209: 00 00	BRK # \$00
\$320B: 00 00	BRK # \$00
\$320D: 00 00	BRK # \$00
\$320F: 00 00	BRK # \$00
\$3211: 00 00	b3211 BRK # \$00
\$3213: 00 00	BRK # \$00
\$3215: 00 00	BRK # \$00
\$3217: 00 00	BRK # \$00
\$3219: 00 04	BRK # \$04
\$321B: 07 00	SLO a00
\$321D: 00 00	s321D BRK # \$00
	s3220 =*+\$01
\$321F: 00 00	BRK # \$00
\$3221: 00 00	BRK # \$00
\$3223: 00 00	BRK # \$00
\$3225: 00 00	BRK # \$00

\$3227: 00 00	BRK # \$00
\$3229: 00 00	BRK # \$00
\$322B: 00 00	BRK # \$00
\$322D: 00 00	BRK # \$00
\$322F: 00 00	BRK # \$00
\$3231: 00 04	BRK # \$04
\$3233: 07 00	SLO a00
\$3235: 00 00	BRK # \$00
\$3237: 00 00	BRK # \$00
\$3239: 00 00	BRK # \$00
\$323B: 00 00	BRK # \$00
\$323D: 00 00	BRK # \$00
\$323F: 00 04	BRK # \$04
\$3241: 07 00	SLO a00
\$3243: 00 00	BRK # \$00
\$3245: 00 00	BRK # \$00
\$3247: 00 00	BRK # \$00
\$3249: 00 00	BRK # \$00
\$324B: 00 00	BRK # \$00
\$324D: 00 00	BRK # \$00
\$324F: 00 00	BRK # \$00
\$3251: 00 00	BRK # \$00
\$3253: 00 00	BRK # \$00
\$3255: 00 00	BRK # \$00
\$3257: 00 00	BRK # \$00

\$3259: 00 04	BRK # \$04
\$325B: 07 00	SLO a00
\$325D: 00 70	BRK # \$70
\$325F: 71 00	ADC (p00),Y
\$3261: 00 00	BRK # \$00
\$3263: 00 00	BRK # \$00
\$3265: 00 00	BRK # \$00
\$3267: 00 00	BRK # \$00
\$3269: 00 00	BRK # \$00
\$326B: 00 00	BRK # \$00
\$326D: 00 00	BRK # \$00
\$326F: 00 00	BRK # \$00
\$3271: 00 04	BRK # \$04
\$3273: 07 00	SLO a00
\$3275: 00 00	BRK # \$00
\$3277: 00 00	BRK # \$00
\$3279: 00 00	BRK # \$00
\$327B: 00 00	BRK # \$00
\$327D: 00 00	BRK # \$00
\$327F: 00 04	BRK # \$04
\$3281: 07 00	SLO a00
\$3283: 00 00	BRK # \$00
\$3285: 00 00	BRK # \$00
\$3287: 00 00	BRK # \$00
\$3289: 00 00	BRK # \$00

\$328B: 00 00	BRK # \$00
\$328D: 00 00	BRK # \$00
\$328F: 00 00	BRK # \$00
\$3291: 00 00	BRK # \$00
\$3293: 00 00	BRK # \$00
\$3295: 00 00	BRK # \$00
\$3297: 00 00	BRK # \$00
\$3299: 00 04	BRK # \$04
\$329B: 07 00	SLO a00

f329E =\*+\$01

\$329D: 00 72	BRK # \$72
\$329F: 73 00	RRA (p00),Y
\$32A1: 00 00	BRK # \$00
\$32A3: 00 00	BRK # \$00
\$32A5: 00 01	BRK # \$01
\$32A7: 03 00	SLO (p00,X)
\$32A9: 00 19	BRK # \$19
\$32AB: 1A	NOP
\$32AC: 00 00	BRK # \$00
\$32AE: 00 00	BRK # \$00
\$32B0: 00 00	BRK # \$00
\$32B2: 04 07	NOP a07
\$32B4: 00 00	BRK # \$00
\$32B6: 00 00	BRK # \$00
\$32B8: 00 00	BRK # \$00

\$32BA: 00 00	BRK # \$00
\$32BC: 00 00	BRK # \$00
\$32BE: 00 00	BRK # \$00
\$32C0: 04 07	NOP a07
\$32C2: 00 00	BRK # \$00
\$32C4: 00 00	BRK # \$00
\$32C6: 00 00	BRK # \$00
\$32C8: 00 00	BRK # \$00
\$32CA: 00 00	BRK # \$00
\$32CC: 00 00	BRK # \$00
\$32CE: 00 00	BRK # \$00
\$32D0: 00 00	BRK # \$00
\$32D2: 00 00	BRK # \$00
\$32D4: 00 00	BRK # \$00
\$32D6: 00 00	BRK # \$00
\$32D8: 00 00	BRK # \$00
\$32DA: 04 07	NOP a07
\$32DC: 70 71	BVS b334F
\$32DE: 00 00	BRK # \$00
\$32E0: 00 00	BRK # \$00
\$32E2: 00 00	BRK # \$00
\$32E4: 00 00	BRK # \$00
\$32E6: 04 07	NOP a07
\$32E8: 00 00	BRK # \$00
\$32EA: 1B 1C 00	SLO f001C,Y

\$32ED: 00 00	BRK # \$00
\$32EF: 00 00	BRK # \$00
\$32F1: 00 04	BRK # \$04
\$32F3: 07 00	SLO a00
\$32F5: 00 00	BRK # \$00
\$32F7: 00 00	BRK # \$00
\$32F9: 00 00	BRK # \$00
\$32FB: 00 00	BRK # \$00
\$32FD: 00 00	BRK # \$00
\$32FF: 00 04	BRK # \$04
\$3301: 07 00	SLO a00
\$3303: 00 00	BRK # \$00
\$3305: 00 00	BRK # \$00
\$3307: 00 00	BRK # \$00
\$3309: 00 00	BRK # \$00
\$330B: 00 01	BRK # \$01
\$330D: 03 00	SLO (p00,X)
\$330F: 00 00	BRK # \$00
\$3311: 00 00	BRK # \$00
\$3313: 00 00	BRK # \$00
\$3315: 00 00	BRK # \$00
\$3317: 00 00	BRK # \$00
\$3319: 00 04	BRK # \$04
\$331B: 07 72	SLO a72
\$331D: 73 00	RRA (p00),Y

\$331F: 00 00 BRK # \$00

\$3321: 00 00 BRK # \$00

\$3323: 00 00 BRK # \$00

\$3325: 00 04 BRK # \$04

\$3327: 07 00 SLO a00

\$3329: 00 00 BRK # \$00

\$332B: 00 00 BRK # \$00

\$332D: 00 00 BRK # \$00

a3330 =\*+ \$01

\$332F: 00 00 BRK # \$00

a3332 =\*+ \$01

\$3331: 00 04 BRK # \$04

\$3333: 07 00 SLO a00

\$3335: 00 00 BRK # \$00

\$3337: 00 00 BRK # \$00

\$3339: 00 00 BRK # \$00

\$333B: 00 00 BRK # \$00

\$333D: 00 00 BRK # \$00

\$333F: 00 04 BRK # \$04

\$3341: 07 00 SLO a00

\$3343: 00 00 BRK # \$00

\$3345: 00 00 BRK # \$00

\$3347: 00 00 BRK # \$00

\$3349: 00 00 BRK # \$00

\$334B: 00 04 BRK # \$04

\$334D: 07 00	SLO a00
\$334F: 00 00	b334F BRK # \$00
\$3351: 00 00	BRK # \$00
\$3353: 00 00	BRK # \$00
\$3355: 00 00	BRK # \$00
\$3357: 00 00	BRK # \$00
\$3359: 00 04	BRK # \$04
\$335B: 07 00	SLO a00
\$335D: 00 00	BRK # \$00
\$335F: 00 00	BRK # \$00
\$3361: 00 00	BRK # \$00
\$3363: 00 00	BRK # \$00
\$3365: 00 04	BRK # \$04
\$3367: 07 00	SLO a00
\$3369: 00 00	BRK # \$00
\$336B: 00 00	BRK # \$00
\$336D: 00 00	BRK # \$00
\$336F: 00 00	BRK # \$00
\$3371: 00 04	BRK # \$04
\$3373: 07 00	SLO a00
\$3375: 00 00	BRK # \$00
\$3377: 00 00	BRK # \$00
\$3379: 00 00	BRK # \$00
\$337B: 00 00	BRK # \$00
\$337D: 00 00	BRK # \$00



\$337F: 00 04	BRK # \$04
\$3381: 07 00	SLO a00
\$3383: 00 00	BRK # \$00
\$3385: 00 00	BRK # \$00
\$3387: 00 00	BRK # \$00
\$3389: 00 00	BRK # \$00
\$338B: 00 04	BRK # \$04
\$338D: 07 00	SLO a00
\$338F: 00 00	BRK # \$00
\$3391: 00 00	BRK # \$00
\$3393: 00 00	BRK # \$00
\$3395: 00 00	BRK # \$00
\$3397: 00 00	BRK # \$00
\$3399: 00 04	BRK # \$04
\$339B: 07 70	SLO a70
\$339D: 71 00	ADC (p00),Y
\$339F: 00 00	BRK # \$00
\$33A1: 00 00	BRK # \$00
\$33A3: 00 00	BRK # \$00
\$33A5: 00 04	BRK # \$04
\$33A7: 07 00	SLO a00
\$33A9: 00 00	BRK # \$00
\$33AB: 00 00	BRK # \$00
\$33AD: 00 00	BRK # \$00
\$33AF: 00 00	BRK # \$00

\$33B1: 00 04	BRK # \$04
\$33B3: 07 00	SLO a00
\$33B5: 00 00	BRK # \$00
\$33B7: 00 00	BRK # \$00
\$33B9: 00 00	BRK # \$00
\$33BB: 00 00	BRK # \$00
\$33BD: 00 00	BRK # \$00
\$33BF: 00 04	BRK # \$04
\$33C1: 07 00	SLO a00
\$33C3: 00 00	BRK # \$00
\$33C5: 00 00	BRK # \$00
\$33C7: 00 00	BRK # \$00
\$33C9: 00 00	BRK # \$00
\$33CB: 00 04	BRK # \$04
\$33CD: 07 00	SLO a00
\$33CF: 00 00	a33CF BRK # \$00
\$33D1: 00 00	BRK # \$00
\$33D3: 00 00	BRK # \$00
\$33D5: 00 00	BRK # \$00
\$33D7: 00 00	BRK # \$00
\$33D9: 00 04	BRK # \$04
\$33DB: 07 72	SLO a72
\$33DD: 73 00	RRA (p00),Y
\$33DF: 00 00	BRK # \$00
\$33E1: 00 00	BRK # \$00

\$33E3: 00 00	BRK # \$00
\$33E5: 00 04	BRK # \$04
\$33E7: 07 00	SLO a00
\$33E9: 00 00	BRK # \$00
\$33EB: 00 00	BRK # \$00
\$33ED: 00 00	BRK # \$00
\$33EF: 00 00	BRK # \$00
\$33F1: 00 04	BRK # \$04
\$33F3: 07 00	SLO a00
\$33F5: 00 00	BRK # \$00
\$33F7: 00 00	BRK # \$00
\$33F9: 00 00	BRK # \$00
\$33FB: 00 00	BRK # \$00
\$33FD: 00 00	BRK # \$00
\$33FF: 00 04	f33FF BRK # \$04
\$3401: 07 00	SLO a00
\$3403: 00 00	BRK # \$00
\$3405: 00 00	BRK # \$00
\$3407: 00 00	BRK # \$00
\$3409: 00 00	BRK # \$00
\$340B: 00 04	BRK # \$04
\$340D: 07 00	SLO a00
\$340F: 00 00	BRK # \$00
\$3411: 00 00	BRK # \$00
\$3413: 00 00	BRK # \$00

\$3415: 00 00 BRK # \$00

\$3417: 00 00 BRK # \$00

\$3419: 00 04 BRK # \$04

\$341B: 07 00 SLO a00

\$341D: 00 00 BRK # \$00

\$341F: 00 00 BRK # \$00

\$3421: 00 00 BRK # \$00

s3424 =\*+ \$01

\$3423: 00 00 BRK # \$00

\$3425: 00 04 BRK # \$04

\$3427: 07 00 SLO a00

\$3429: 00 00 BRK # \$00

\$342B: 00 00 BRK # \$00

\$342D: 00 00 BRK # \$00

\$342F: 00 00 BRK # \$00

\$3431: 00 04 s3431 BRK # \$04

\$3433: 07 00 SLO a00

\$3435: 00 00 BRK # \$00

\$3437: 00 00 BRK # \$00

\$3439: 00 00 BRK # \$00

\$343B: 00 00 BRK # \$00

\$343D: 00 00 BRK # \$00

\$343F: 00 04 BRK # \$04

\$3441: 07 00 SLO a00

\$3443: 00 00 BRK # \$00

\$3445: 00 00	BRK # \$00
\$3447: 00 00	BRK # \$00
\$3449: 00 00	BRK # \$00
\$344B: 00 04	BRK # \$04
\$344D: 07 00	SLO a00
\$344F: 00 00	BRK # \$00
\$3451: 00 00	BRK # \$00
\$3453: 00 00	BRK # \$00
\$3455: 00 00	BRK # \$00
\$3457: 00 00	BRK # \$00
\$3459: 00 04	BRK # \$04
\$345B: 07 00	SLO a00
\$345D: 00 00	BRK # \$00
\$345F: 00 00	BRK # \$00
\$3461: 00 00	BRK # \$00
\$3463: 00 00	BRK # \$00
\$3465: 00 04	BRK # \$04
\$3467: 07 00	SLO a00
\$3469: 00 00	BRK # \$00
\$346B: 00 00	BRK # \$00
\$346D: 00 00	BRK # \$00
\$346F: 00 00	BRK # \$00
\$3471: 00 04	BRK # \$04
\$3473: 07 00	SLO a00
\$3475: 00 00	BRK # \$00

\$3477: 00 00	BRK # \$00
\$3479: 00 00	BRK # \$00
\$347B: 00 00	BRK # \$00
\$347D: 00 00	BRK # \$00
\$347F: 00 04	BRK # \$04
\$3481: 07 00	SLO a00
\$3483: 00 00	BRK # \$00
\$3485: 00 00	BRK # \$00
\$3487: 00 00	BRK # \$00
\$3489: 00 00	BRK # \$00
\$348B: 00 04	BRK # \$04
\$348D: 07 00	SLO a00
\$348F: 00 00	BRK # \$00
\$3491: 00 00	BRK # \$00
\$3493: 00 00	BRK # \$00
\$3495: 00 00	BRK # \$00
\$3497: 00 00	BRK # \$00
\$3499: 00 04	BRK # \$04
\$349B: 07 00	SLO a00
\$349D: 00 00	BRK # \$00
\$349F: 00 00	BRK # \$00
\$34A1: 00 00	BRK # \$00
\$34A3: 00 00	BRK # \$00
\$34A5: 00 04	BRK # \$04
\$34A7: 07 00	SLO a00

\$34A9: 00 00	s34A9 BRK # \$00
\$34AB: 00 00	BRK # \$00
\$34AD: 00 00	BRK # \$00
\$34AF: 00 00	BRK # \$00
\$34B1: 00 04	BRK # \$04
\$34B3: 07 00	s34B3 SLO a00
\$34B5: 00 00	BRK # \$00
\$34B7: 00 00	BRK # \$00
\$34B9: 00 00	BRK # \$00
\$34BB: 00 00	BRK # \$00
\$34BD: 00 00	BRK # \$00
\$34BF: 00 04	BRK # \$04
\$34C1: 07 00	SLO a00
\$34C3: 00 00	BRK # \$00
\$34C5: 00 00	BRK # \$00
\$34C7: 00 00	BRK # \$00
\$34C9: 00 00	BRK # \$00
\$34CB: 00 04	BRK # \$04
\$34CD: 07 00	SLO a00
\$34CF: 00 00	BRK # \$00
\$34D1: 00 00	BRK # \$00
\$34D3: 00 00	BRK # \$00
\$34D5: 00 00	BRK # \$00
\$34D7: 00 00	BRK # \$00
\$34D9: 00 04	BRK # \$04

\$34DB: 07 00	SLO a00
\$34DD: 00 00	BRK # \$00
\$34DF: 00 00	BRK # \$00
\$34E1: 00 00	BRK # \$00
\$34E3: 00 00	BRK # \$00
\$34E5: 00 04	BRK # \$04
\$34E7: 07 00	SLO a00
\$34E9: 00 00	BRK # \$00
\$34EB: 00 00	BRK # \$00
\$34ED: 00 00	BRK # \$00
\$34EF: 00 00	BRK # \$00
\$34F1: 00 04	BRK # \$04
\$34F3: 07 00	SLO a00
\$34F5: 00 00	BRK # \$00
\$34F7: 00 00	BRK # \$00
\$34F9: 00 00	BRK # \$00
\$34FB: 00 00	BRK # \$00
\$34FD: 00 00	BRK # \$00
\$34FF: 00 04	BRK # \$04
\$3501: 07 00	SLO a00
\$3503: 00 00	BRK # \$00
\$3505: 00 00	BRK # \$00
\$3507: 00 00	BRK # \$00
\$3509: 00 00	BRK # \$00

a350C =\*+\$01



\$350B: 00 04	BRK # \$04
\$350D: 07 00	a350D SLO a00
\$350F: 00 00	BRK # \$00
\$3511: 00 00	BRK # \$00
\$3513: 00 00	BRK # \$00
\$3515: 00 00	BRK # \$00
\$3517: 00 00	BRK # \$00
\$3519: 00 04	BRK # \$04
\$351B: 07 00	SLO a00
\$351D: 00 00	BRK # \$00
\$351F: 00 00	BRK # \$00
\$3521: 00 00	BRK # \$00
\$3523: 00 00	BRK # \$00
\$3525: 00 04	BRK # \$04
\$3527: 07 00	SLO a00
\$3529: 00 00	BRK # \$00
\$352B: 00 00	BRK # \$00
\$352D: 00 00	BRK # \$00
\$352F: 00 00	p352F BRK # \$00
\$3531: 00 04	a3531 BRK # \$04
\$3533: 07 00	SLO a00
\$3535: 00 00	BRK # \$00
\$3537: 00 00	BRK # \$00
\$3539: 00 00	BRK # \$00
\$353B: 00 00	BRK # \$00

\$353D: 00 00	BRK # \$00
\$353F: 00 04	BRK # \$04
\$3541: 07 00	SLO a00
\$3543: 00 00	BRK # \$00
\$3545: 00 00	BRK # \$00
\$3547: 00 00	BRK # \$00
\$3549: 00 00	BRK # \$00
\$354B: 00 04	BRK # \$04
\$354D: 07 00	SLO a00
\$354F: 00 00	BRK # \$00
\$3551: 00 00	BRK # \$00
\$3553: 00 00	BRK # \$00
\$3555: 00 00	BRK # \$00
\$3557: 00 00	BRK # \$00
\$3559: 00 04	BRK # \$04
\$355B: 07 00	SLO a00
\$355D: 00 00	BRK # \$00
\$355F: 00 00	BRK # \$00
\$3561: 00 00	BRK # \$00
\$3563: 00 00	BRK # \$00
\$3565: 00 04	BRK # \$04
\$3567: 07 00	SLO a00
\$3569: 00 00	BRK # \$00
s356C =*+\$01	
\$356B: 00 00	BRK # \$00

\$356D: 00 00	BRK # \$00
\$356F: 00 00	BRK # \$00
\$3571: 00 04	BRK # \$04
\$3573: 07 00	SLO a00
\$3575: 00 00	BRK # \$00
\$3577: 00 00	BRK # \$00
\$3579: 00 00	BRK # \$00
\$357B: 00 00	BRK # \$00
\$357D: 00 00	BRK # \$00
\$357F: 00 04	BRK # \$04
\$3581: 07 00	SLO a00
\$3583: 00 00	BRK # \$00
\$3585: 00 00	BRK # \$00
\$3587: 00 00	BRK # \$00
\$3589: 00 00	BRK # \$00
\$358B: 00 04	BRK # \$04
\$358D: 07 00	SLO a00
\$358F: 00 00	BRK # \$00
\$3591: 00 00	BRK # \$00
\$3593: 00 00	BRK # \$00
\$3595: 00 00	BRK # \$00
\$3597: 00 00	BRK # \$00
\$3599: 00 04	s3599 BRK # \$04
\$359B: 07 00	SLO a00
\$359D: 00 00	BRK # \$00

s35A0 =\*+\$01

\$359F: 00 00	BRK # \$00
\$35A1: 00 00	BRK # \$00
\$35A3: 00 00	BRK # \$00
\$35A5: 00 04	BRK # \$04
\$35A7: 07 00	SLO a00
\$35A9: 00 00	BRK # \$00
\$35AB: 00 00	BRK # \$00
\$35AD: 00 00	BRK # \$00
\$35AF: 00 00	BRK # \$00
\$35B1: 00 04	BRK # \$04
\$35B3: 07 00	SLO a00
\$35B5: 00 00	BRK # \$00
\$35B7: 00 00	BRK # \$00
\$35B9: 00 00	BRK # \$00
\$35BB: 00 00	BRK # \$00
\$35BD: 00 00	BRK # \$00
\$35BF: 00 04	BRK # \$04
\$35C1: 07 00	SLO a00
\$35C3: 00 00	BRK # \$00
\$35C5: 00 00	BRK # \$00
\$35C7: 00 00	BRK # \$00
\$35C9: 00 00	BRK # \$00
\$35CB: 00 04	BRK # \$04
\$35CD: 07 00	SLO a00

\$35CF: 00 00	BRK # \$00
\$35D1: 00 00	BRK # \$00
\$35D3: 00 00	BRK # \$00
\$35D5: 00 00	s35D5 BRK # \$00
\$35D7: 00 00	BRK # \$00
\$35D9: 00 04	BRK # \$04
\$35DB: 07 00	SLO a00
\$35DD: 00 00	BRK # \$00
\$35DF: 00 00	BRK # \$00
\$35E1: 00 00	BRK # \$00
\$35E3: 00 00	BRK # \$00
\$35E5: 00 04	BRK # \$04
\$35E7: 07 00	SLO a00
\$35E9: 00 00	BRK # \$00
\$35EB: 00 00	BRK # \$00
\$35ED: 00 00	BRK # \$00
\$35EF: 00 00	BRK # \$00
\$35F1: 00 04	BRK # \$04
\$35F3: 07 00	SLO a00
\$35F5: 00 00	BRK # \$00
\$35F7: 00 00	BRK # \$00
\$35F9: 00 00	BRK # \$00
\$35FB: 00 00	BRK # \$00
\$35FD: 00 00	BRK # \$00
\$35FF: 00 04	BRK # \$04

\$3601: 07 00 SLO a00  
\$3603: 00 00 BRK # \$00  
\$3605: 00 00 BRK # \$00  
\$3607: 00 00 BRK # \$00

s360A =\*+\$01

\$3609: 00 00 BRK # \$00  
\$360B: 00 04 BRK # \$04  
\$360D: 07 00 SLO a00  
\$360F: 00 00 BRK # \$00  
\$3611: 00 00 BRK # \$00  
\$3613: 00 00 BRK # \$00  
\$3615: 00 00 BRK # \$00  
\$3617: 00 00 BRK # \$00  
\$3619: 00 04 BRK # \$04  
\$361B: 07 00 SLO a00  
\$361D: 00 00 BRK # \$00  
\$361F: 00 00 BRK # \$00

s3622 =\*+\$01

\$3621: 00 00 BRK # \$00  
\$3623: 00 00 BRK # \$00  
\$3625: 00 04 BRK # \$04  
\$3627: 07 00 SLO a00  
\$3629: 00 00 BRK # \$00  
\$362B: 00 00 BRK # \$00  
\$362D: 00 00 s362D BRK # \$00

\$362F: 00 00	BRK # \$00
\$3631: 00 04	BRK # \$04
\$3633: 07 00	SLO a00
\$3635: 00 00	j3635 BRK # \$00
\$3637: 00 00	BRK # \$00
\$3639: 00 00	BRK # \$00
\$363B: 00 00	BRK # \$00
\$363D: 00 00	BRK # \$00
\$363F: 00 04	BRK # \$04
\$3641: 07 00	s3641 SLO a00
\$3643: 00 00	BRK # \$00
j3646 =*+\$01	
\$3645: 00 00	BRK # \$00
\$3647: 00 00	BRK # \$00
\$3649: 00 00	BRK # \$00
\$364B: 00 04	BRK # \$04
\$364D: 07 00	SLO a00
\$364F: 00 00	BRK # \$00
\$3651: 00 00	BRK # \$00
\$3653: 00 00	BRK # \$00
\$3655: 00 00	BRK # \$00
\$3657: 00 00	BRK # \$00
\$3659: 00 04	BRK # \$04
\$365B: 07 00	SLO a00
\$365D: 00 00	BRK # \$00

\$365F: 00 00	BRK # \$00
\$3661: 00 00	BRK # \$00
\$3663: 00 00	BRK # \$00
\$3665: 00 04	BRK # \$04
\$3667: 07 00	SLO a00
\$3669: 00 00	BRK # \$00
\$366B: 00 00	BRK # \$00
\$366D: 00 00	BRK # \$00
\$366F: 00 00	BRK # \$00
\$3671: 00 04	BRK # \$04
\$3673: 07 00	SLO a00
\$3675: 00 00	BRK # \$00
\$3677: 00 00	BRK # \$00
\$3679: 00 00	BRK # \$00
\$367B: 00 00	BRK # \$00
\$367D: 00 00	BRK # \$00
\$367F: 00 04	BRK # \$04
\$3681: 07 00	SLO a00
\$3683: 00 00	BRK # \$00
\$3685: 00 00	BRK # \$00
\$3687: 00 00	BRK # \$00
\$3689: 00 00	BRK # \$00
\$368B: 00 04	BRK # \$04
\$368D: 07 00	SLO a00
\$368F: 00 00	BRK # \$00



\$3691: 00 00	BRK # \$00
\$3693: 00 00	BRK # \$00
\$3695: 00 00	BRK # \$00
\$3697: 00 00	BRK # \$00
\$3699: 00 04	BRK # \$04
\$369B: 07 00	SLO a00
\$369D: 00 00	BRK # \$00
\$369F: 00 00	BRK # \$00
\$36A1: 00 00	BRK # \$00
\$36A3: 00 00	BRK # \$00
\$36A5: 00 04	BRK # \$04
\$36A7: 07 00	SLO a00
\$36A9: 00 00	BRK # \$00
\$36AB: 00 00	BRK # \$00
\$36AD: 00 00	BRK # \$00
\$36AF: 00 00	s36AF BRK # \$00
\$36B1: 00 04	BRK # \$04
\$36B3: 07 00	SLO a00
\$36B5: 00 00	BRK # \$00
\$36B7: 00 00	BRK # \$00
\$36B9: 00 00	BRK # \$00
\$36BB: 00 00	BRK # \$00
\$36BD: 00 00	BRK # \$00
\$36BF: 00 04	BRK # \$04
\$36C1: 07 00	SLO a00

\$36C3: 00 00	BRK # \$00
\$36C5: 00 00	BRK # \$00
\$36C7: 00 00	BRK # \$00
\$36C9: 00 00	BRK # \$00
\$36CB: 00 04	BRK # \$04
\$36CD: 07 00	SLO a00
\$36CF: 00 00	BRK # \$00
\$36D1: 00 00	BRK # \$00
\$36D3: 00 00	BRK # \$00
\$36D5: 00 00	BRK # \$00
\$36D7: 00 00	BRK # \$00
\$36D9: 00 04	BRK # \$04
\$36DB: 07 00	SLO a00
\$36DD: 00 00	BRK # \$00
\$36DF: 00 00	BRK # \$00
\$36E1: 00 00	BRK # \$00
\$36E3: 00 00	BRK # \$00
\$36E5: 00 04	BRK # \$04
\$36E7: 07 00	SLO a00
\$36E9: 00 00	BRK # \$00
\$36EB: 00 00	BRK # \$00
\$36ED: 00 00	BRK # \$00
\$36EF: 00 00	BRK # \$00
\$36F1: 00 04	BRK # \$04
\$36F3: 07 00	SLO a00

\$36F5: 00 00	BRK # \$00
\$36F7: 00 00	BRK # \$00
\$36F9: 00 00	BRK # \$00
\$36FB: 00 00	BRK # \$00
\$36FD: 00 00	BRK # \$00
\$36FF: 00 04	BRK # \$04
\$3701: 07 00	SLO a00
\$3703: 00 00	BRK # \$00
\$3705: 00 00	BRK # \$00
\$3707: 00 00	BRK # \$00
\$3709: 00 00	BRK # \$00
\$370B: 00 04	BRK # \$04
\$370D: 07 00	SLO a00

j3710 =\*+\$01

\$370F: 00 00	BRK # \$00
\$3711: 00 00	BRK # \$00
\$3713: 00 00	BRK # \$00
\$3715: 00 00	BRK # \$00
\$3717: 00 00	BRK # \$00

s371A =\*+\$01

\$3719: 00 04	BRK # \$04
\$371B: 07 00	SLO a00
\$371D: 00 00	BRK # \$00
\$371F: 00 00	BRK # \$00
\$3721: 00 00	BRK # \$00

s3724 =\*+\$01

\$3723: 00 00 s3723 BRK # \$00

\$3725: 00 04 BRK # \$04

\$3727: 07 00 SLO a00

\$3729: 00 00 BRK # \$00

\$372B: 00 00 BRK # \$00

s372E =\*+\$01

\$372D: 00 00 BRK # \$00

\$372F: 00 00 BRK # \$00

\$3731: 00 04 BRK # \$04

\$3733: 07 00 SLO a00

\$3735: 00 00 BRK # \$00

\$3737: 00 00 BRK # \$00

\$3739: 00 00 BRK # \$00

\$373B: 00 00 f373B BRK # \$00

\$373D: 00 00 BRK # \$00

\$373F: 00 04 BRK # \$04

\$3741: 07 00 SLO a00

\$3743: 00 00 BRK # \$00

\$3745: 00 00 BRK # \$00

\$3747: 00 00 BRK # \$00

\$3749: 00 00 s3749 BRK # \$00

\$374B: 00 04 BRK # \$04

\$374D: 07 00 SLO a00

\$374F: 00 00 BRK # \$00

\$3751: 00 00 BRK # \$00  
\$3753: 00 00 BRK # \$00  
\$3755: 00 00 BRK # \$00  
\$3757: 00 00 BRK # \$00  
\$3759: 00 04 BRK # \$04

s375C =\*+ \$01

\$375B: 07 00 SLO a00  
\$375D: 00 00 BRK # \$00  
\$375F: 00 00 BRK # \$00  
\$3761: 00 00 BRK # \$00  
\$3763: 00 00 BRK # \$00  
\$3765: 00 04 BRK # \$04  
\$3767: 07 00 SLO a00  
\$3769: 00 00 BRK # \$00  
\$376B: 00 00 BRK # \$00  
\$376D: 00 00 BRK # \$00  
\$376F: 00 00 s376F BRK # \$00  
\$3771: 00 04 BRK # \$04  
\$3773: 07 00 SLO a00  
\$3775: 00 00 BRK # \$00  
\$3777: 00 00 BRK # \$00  
\$3779: 00 00 BRK # \$00  
\$377B: 00 00 BRK # \$00  
\$377D: 00 00 BRK # \$00  
\$377F: 00 04 BRK # \$04

\$3781: 07 00	SLO a00
\$3783: 00 00	BRK # \$00
\$3785: 00 00	BRK # \$00
s3788 =*+\$01	
\$3787: 00 00	BRK # \$00
\$3789: 00 00	BRK # \$00
\$378B: 00 04	BRK # \$04
\$378D: 07 00	SLO a00
\$378F: 00 00	BRK # \$00
\$3791: 00 00	BRK # \$00
\$3793: 00 00	BRK # \$00
\$3795: 00 00	BRK # \$00
\$3797: 00 00	BRK # \$00
\$3799: 00 04	BRK # \$04
\$379B: 07 00	s379B SLO a00
\$379D: 00 00	BRK # \$00
\$379F: 00 00	BRK # \$00
\$37A1: 00 00	BRK # \$00
\$37A3: 00 00	BRK # \$00
\$37A5: 00 04	BRK # \$04
\$37A7: 07 00	SLO a00
\$37A9: 00 00	BRK # \$00
\$37AB: 00 00	BRK # \$00
s37AE =*+\$01	
\$37AD: 00 00	BRK # \$00

\$37AF: 00 00	BRK # \$00
\$37B1: 00 04	BRK # \$04
\$37B3: 07 00	SLO a00
\$37B5: 00 00	BRK # \$00
\$37B7: 00 00	BRK # \$00
\$37B9: 00 00	BRK # \$00
\$37BB: 00 00	BRK # \$00
\$37BD: 00 00	BRK # \$00
\$37BF: 00 04	BRK # \$04
\$37C1: 07 00	SLO a00
\$37C3: 00 00	BRK # \$00
\$37C5: 00 00	BRK # \$00
\$37C7: 00 00	BRK # \$00
\$37C9: 00 00	BRK # \$00
\$37CB: 00 04	BRK # \$04
\$37CD: 07 00	SLO a00
\$37CF: 00 00	BRK # \$00
\$37D1: 00 00	BRK # \$00
\$37D3: 00 00	BRK # \$00
\$37D5: 00 00	BRK # \$00
\$37D7: 00 00	BRK # \$00
\$37D9: 00 04	BRK # \$04
\$37DB: 07 00	SLO a00
\$37DD: 00 00	BRK # \$00
\$37DF: 00 00	BRK # \$00

\$37E1: 00 00	BRK # \$00
\$37E3: 00 00	BRK # \$00
\$37E5: 00 04	BRK # \$04
\$37E7: 07 00	SLO a00
\$37E9: 00 00	BRK # \$00
\$37EB: 00 00	BRK # \$00
\$37ED: 00 00	BRK # \$00
\$37EF: 00 00	BRK # \$00
\$37F1: 00 04	BRK # \$04

s37F4 =\*+\$01

\$37F3: 07 00	SLO a00
\$37F5: 00 00	BRK # \$00
\$37F7: 00 00	BRK # \$00
\$37F9: 00 00	BRK # \$00
\$37FB: 00 00	BRK # \$00
\$37FD: 00 00	BRK # \$00
\$37FF: 00 04	BRK # \$04
\$3801: 07 00	SLO a00
\$3803: 00 00	BRK # \$00
\$3805: 00 00	BRK # \$00
\$3807: 00 00	BRK # \$00
\$3809: 00 00	BRK # \$00
\$380B: 00 04	BRK # \$04
\$380D: 07 00	SLO a00
\$380F: 00 00	BRK # \$00



\$3811: 00 00 BRK # \$00  
\$3813: 00 00 BRK # \$00  
\$3815: 00 00 BRK # \$00  
\$3817: 00 00 BRK # \$00  
\$3819: 00 04 BRK # \$04

f381C =\*+ \$01

\$381B: 07 00 SLO a00  
\$381D: 00 00 BRK # \$00  
\$381F: 00 00 BRK # \$00  
\$3821: 00 00 BRK # \$00  
\$3823: 00 00 BRK # \$00  
\$3825: 00 04 BRK # \$04  
\$3827: 07 00 SLO a00  
\$3829: 00 00 BRK # \$00  
\$382B: 00 00 BRK # \$00  
\$382D: 00 00 BRK # \$00  
\$382F: 00 00 BRK # \$00  
\$3831: 00 04 BRK # \$04  
\$3833: 07 00 SLO a00  
\$3835: 00 00 BRK # \$00

p3838 =\*+ \$01

\$3837: 00 00 BRK # \$00  
\$3839: 00 00 BRK # \$00  
\$383B: 00 00 BRK # \$00  
\$383D: 00 00 BRK # \$00

\$383F: 00 04 BRK # \$04

\$3841: 07 00 SLO a00

\$3843: 00 00 BRK # \$00

\$3845: 00 00 BRK # \$00

\$3847: 00 00 BRK # \$00

a384A =\*+ \$01

\$3849: 00 00 BRK # \$00

\$384B: 00 04 BRK # \$04

\$384D: 07 00 SLO a00

\$384F: 00 00 BRK # \$00

\$3851: 00 00 BRK # \$00

\$3853: 00 00 BRK # \$00

\$3855: 00 00 BRK # \$00

\$3857: 00 00 BRK # \$00

\$3859: 00 04 BRK # \$04

\$385B: 07 00 SLO a00

\$385D: 00 00 BRK # \$00

\$385F: 00 00 BRK # \$00

\$3861: 00 00 BRK # \$00

\$3863: 00 00 BRK # \$00

\$3865: 00 04 BRK # \$04

\$3867: 07 00 SLO a00

\$3869: 00 00 BRK # \$00

\$386B: 00 00 BRK # \$00

\$386D: 00 00 BRK # \$00

a3870 =\*+\$01

\$386F: 00 00 BRK # \$00

a3872 =\*+\$01

\$3871: 00 04 a3871 BRK # \$04

\$3873: 07 00 SLO a00

a3876 =\*+\$01

\$3875: 00 00 a3875 BRK # \$00

\$3877: 00 00 BRK # \$00

\$3879: 00 00 BRK # \$00

a387C =\*+\$01

\$387B: 00 00 BRK # \$00

\$387D: 00 00 BRK # \$00

\$387F: 00 04 BRK # \$04

\$3881: 07 00 SLO a00

\$3883: 00 00 BRK # \$00

\$3885: 00 00 BRK # \$00

\$3887: 00 00 BRK # \$00

\$3889: 00 00 BRK # \$00

\$388B: 00 04 BRK # \$04

\$388D: 07 00 SLO a00

\$388F: 00 00 BRK # \$00

\$3891: 00 00 BRK # \$00

\$3893: 00 00 BRK # \$00

\$3895: 00 00 BRK # \$00

\$3897: 00 00 BRK # \$00

\$3899: 00 04	BRK # \$04
\$389B: 07 00	SLO a00
\$389D: 00 00	BRK # \$00
\$389F: 00 00	BRK # \$00
\$38A1: 00 00	BRK # \$00
\$38A3: 00 00	BRK # \$00
\$38A5: 00 04	BRK # \$04
\$38A7: 07 00	SLO a00
\$38A9: 00 00	BRK # \$00
\$38AB: 00 00	BRK # \$00
\$38AD: 00 00	f38AD BRK # \$00
\$38AF: 00 00	BRK # \$00
\$38B1: 00 04	BRK # \$04
\$38B3: 07 00	SLO a00
\$38B5: 00 00	BRK # \$00
\$38B7: 00 00	BRK # \$00
\$38B9: 00 00	BRK # \$00
\$38BB: 00 00	BRK # \$00
\$38BD: 00 00	BRK # \$00
\$38BF: 00 04	BRK # \$04
\$38C1: 07 00	SLO a00
\$38C3: 00 00	BRK # \$00
\$38C5: 00 00	BRK # \$00
\$38C7: 00 00	BRK # \$00
\$38C9: 00 00	BRK # \$00

\$38CB: 00 04 BRK # \$04  
\$38CD: 07 00 SLO a00  
\$38CF: 00 00 BRK # \$00  
\$38D1: 00 00 BRK # \$00  
\$38D3: 00 00 BRK # \$00  
\$38D5: 00 00 BRK # \$00  
\$38D7: 00 00 BRK # \$00  
\$38D9: 00 04 BRK # \$04  
\$38DB: 07 00 SLO a00  
\$38DD: 00 00 BRK # \$00  
\$38DF: 00 00 BRK # \$00  
\$38E1: 00 00 BRK # \$00  
\$38E3: 00 00 BRK # \$00  
\$38E5: 00 04 BRK # \$04  
\$38E7: 07 00 SLO a00

f38EA =\*+\$01

\$38E9: 00 00 BRK # \$00  
\$38EB: 00 00 BRK # \$00  
\$38ED: 00 00 BRK # \$00  
\$38EF: 00 00 BRK # \$00  
\$38F1: 00 04 BRK # \$04

f38F4 =\*+\$01

\$38F3: 07 00 f38F3 SLO a00  
\$38F5: 00 00 BRK # \$00  
\$38F7: 00 00 BRK # \$00

\$38F9: 00 00 BRK # \$00  
\$38FB: 00 00 BRK # \$00  
\$38FD: 00 00 BRK # \$00  
\$38FF: 00 04 BRK # \$04  
\$3901: 07 00 SLO a00  
\$3903: 00 00 BRK # \$00

f3906 =\*+ \$01

\$3905: 00 00 f3905 BRK # \$00  
\$3907: 00 00 BRK # \$00  
\$3909: 00 00 BRK # \$00  
\$390B: 00 04 BRK # \$04  
\$390D: 07 00 SLO a00  
\$390F: 00 00 BRK # \$00  
\$3911: 00 00 BRK # \$00  
\$3913: 00 00 BRK # \$00  
\$3915: 00 00 s3915 BRK # \$00  
\$3917: 00 00 BRK # \$00  
\$3919: 00 04 BRK # \$04  
\$391B: 07 00 SLO a00  
\$391D: 00 00 BRK # \$00  
\$391F: 00 00 BRK # \$00  
\$3921: 00 00 BRK # \$00  
\$3923: 00 00 BRK # \$00  
\$3925: 00 04 BRK # \$04  
\$3927: 07 00 SLO a00

\$3929: 00 00 BRK # \$00  
\$392B: 00 00 BRK # \$00  
\$392D: 00 00 BRK # \$00  
\$392F: 00 00 BRK # \$00

f3932 =\*+\$01

\$3931: 00 04 BRK # \$04  
\$3933: 07 00 SLO a00  
\$3935: 00 00 BRK # \$00  
\$3937: 00 00 BRK # \$00  
\$3939: 00 00 BRK # \$00  
\$393B: 00 00 BRK # \$00  
\$393D: 00 00 BRK # \$00  
\$393F: 00 04 BRK # \$04  
\$3941: 07 00 SLO a00  
\$3943: 00 00 BRK # \$00  
\$3945: 00 00 BRK # \$00

a3948 =\*+\$01

\$3947: 00 00 BRK # \$00  
\$3949: 00 00 f3949 BRK # \$00  
\$394B: 00 04 BRK # \$04  
\$394D: 07 00 SLO a00  
\$394F: 00 00 BRK # \$00  
\$3951: 00 00 BRK # \$00  
\$3953: 00 00 BRK # \$00  
\$3955: 00 00 BRK # \$00

\$3957: 00 00	BRK # \$00
\$3959: 00 04	BRK # \$04
\$395B: 07 00	SLO a00
\$395D: 00 00	BRK # \$00
\$395F: 00 00	BRK # \$00
\$3961: 00 00	BRK # \$00
\$3963: 00 00	BRK # \$00
\$3965: 00 04	BRK # \$04
\$3967: 07 00	SLO a00
\$3969: 00 00	BRK # \$00
\$396B: 00 00	BRK # \$00
\$396D: 00 00	BRK # \$00
\$396F: 00 00	BRK # \$00
\$3971: 00 04	BRK # \$04
\$3973: 07 00	SLO a00
\$3975: 00 00	BRK # \$00
\$3977: 00 00	BRK # \$00
\$3979: 00 00	BRK # \$00
\$397B: 00 00	BRK # \$00
\$397D: 00 00	BRK # \$00
\$397F: 00 04	BRK # \$04
\$3981: 07 00	SLO a00
\$3983: 00 00	BRK # \$00
\$3985: 00 00	BRK # \$00
\$3987: 00 00	BRK # \$00



\$3989: 00 00	BRK # \$00
\$398B: 00 04	BRK # \$04
\$398D: 07 00	SLO a00
\$398F: 00 00	BRK # \$00
\$3991: 00 00	BRK # \$00
\$3993: 00 00	BRK # \$00
\$3995: 00 00	BRK # \$00
\$3997: 00 00	BRK # \$00
\$3999: 00 04	f3999 BRK # \$04
\$399B: 07 00	SLO a00
\$399D: 00 00	BRK # \$00
\$399F: 00 00	BRK # \$00
\$39A1: 00 00	BRK # \$00
\$39A3: 00 00	BRK # \$00
\$39A5: 00 04	BRK # \$04
\$39A7: 07 00	SLO a00
\$39A9: 00 00	BRK # \$00
\$39AB: 00 00	BRK # \$00
\$39AD: 00 00	BRK # \$00
\$39AF: 00 00	BRK # \$00
\$39B1: 00 04	BRK # \$04
\$39B3: 07 00	SLO a00
\$39B5: 00 00	BRK # \$00
\$39B7: 00 00	BRK # \$00
\$39B9: 00 00	BRK # \$00

\$39BB: 00 00	BRK # \$00
\$39BD: 00 00	BRK # \$00
\$39BF: 00 04	BRK # \$04
\$39C1: 07 00	SLO a00
\$39C3: 00 00	BRK # \$00
\$39C5: 00 00	BRK # \$00
\$39C7: 00 00	BRK # \$00
\$39C9: 00 00	BRK # \$00
\$39CB: 00 04	BRK # \$04
\$39CD: 07 00	SLO a00
\$39CF: 00 00	BRK # \$00
\$39D1: 00 00	BRK # \$00
\$39D3: 00 00	BRK # \$00
\$39D5: 00 00	BRK # \$00
\$39D7: 00 00	BRK # \$00
\$39D9: 00 04	BRK # \$04
\$39DB: 07 00	SLO a00
\$39DD: 00 00	BRK # \$00
\$39DF: 00 00	BRK # \$00
\$39E1: 00 00	BRK # \$00
\$39E3: 00 00	BRK # \$00
\$39E5: 00 04	BRK # \$04
\$39E7: 07 00	SLO a00
\$39E9: 00 00	f39E9 BRK # \$00
\$39EB: 00 00	BRK # \$00

\$39ED: 00 00	BRK # \$00
\$39EF: 00 00	BRK # \$00
\$39F1: 00 04	BRK # \$04
\$39F3: 07 00	SLO a00
\$39F5: 00 00	BRK # \$00
\$39F7: 00 00	BRK # \$00
\$39F9: 00 00	BRK # \$00
\$39FB: 00 00	BRK # \$00
\$39FD: 00 00	BRK # \$00

a3A00 =\*+ \$01

\$39FF: 00 04	BRK # \$04
\$3A01: 07 00	SLO a00
\$3A03: 00 00	BRK # \$00
\$3A05: 00 00	BRK # \$00
\$3A07: 00 00	BRK # \$00
\$3A09: 00 00	BRK # \$00
\$3A0B: 00 04	BRK # \$04
\$3A0D: 07 00	SLO a00
\$3A0F: 00 00	BRK # \$00
\$3A11: 00 00	BRK # \$00
\$3A13: 00 00	BRK # \$00
\$3A15: 00 00	BRK # \$00
\$3A17: 00 00	BRK # \$00
\$3A19: 00 04	BRK # \$04
\$3A1B: 07 00	SLO a00

\$3A1D: 00 00 BRK # \$00  
\$3A1F: 00 00 BRK # \$00  
\$3A21: 00 00 BRK # \$00  
\$3A23: 00 00 BRK # \$00  
\$3A25: 00 04 BRK # \$04  
\$3A27: 07 00 SLO a00  
\$3A29: 00 00 BRK # \$00  
\$3A2B: 00 00 BRK # \$00  
\$3A2D: 00 00 BRK # \$00  
\$3A2F: 00 00 BRK # \$00  
\$3A31: 00 04 BRK # \$04  
\$3A33: 07 00 SLO a00  
\$3A35: 00 00 BRK # \$00  
\$3A37: 00 00 BRK # \$00

a3A3A =\*+\$01

\$3A39: 00 00 f3A39 BRK # \$00  
\$3A3B: 00 00 BRK # \$00  
\$3A3D: 00 00 BRK # \$00  
\$3A3F: 00 04 BRK # \$04  
\$3A41: 07 00 SLO a00  
\$3A43: 00 00 BRK # \$00  
\$3A45: 00 00 BRK # \$00  
\$3A47: 00 00 BRK # \$00  
\$3A49: 00 00 BRK # \$00  
\$3A4B: 00 04 BRK # \$04

\$3A4D: 07 00	SLO a00
\$3A4F: 00 00	BRK # \$00
\$3A51: 00 00	BRK # \$00
\$3A53: 00 00	BRK # \$00
\$3A55: 00 00	BRK # \$00
\$3A57: 00 00	BRK # \$00
\$3A59: 00 04	BRK # \$04
\$3A5B: 07 00	SLO a00
\$3A5D: 00 00	BRK # \$00
\$3A5F: 00 00	BRK # \$00
\$3A61: 00 00	BRK # \$00
\$3A63: 00 00	BRK # \$00
\$3A65: 00 04	BRK # \$04
\$3A67: 07 00	SLO a00
\$3A69: 00 00	BRK # \$00
\$3A6B: 00 00	BRK # \$00
\$3A6D: 00 00	BRK # \$00
\$3A6F: 00 00	BRK # \$00
\$3A71: 00 04	BRK # \$04
\$3A73: 07 00	SLO a00
\$3A75: 00 00	BRK # \$00
\$3A77: 00 00	BRK # \$00
\$3A79: 00 00	BRK # \$00
\$3A7B: 00 00	BRK # \$00
\$3A7D: 00 00	BRK # \$00

\$3A7F: 00 04	BRK # \$04
\$3A81: 07 00	SLO a00
\$3A83: 00 00	BRK # \$00
\$3A85: 00 00	BRK # \$00
\$3A87: 00 00	BRK # \$00
\$3A89: 00 00	BRK # \$00
\$3A8B: 00 04	BRK # \$04
\$3A8D: 07 00	SLO a00
\$3A8F: 00 00	BRK # \$00
\$3A91: 00 00	BRK # \$00
\$3A93: 00 00	BRK # \$00
\$3A95: 00 00	BRK # \$00
\$3A97: 00 00	BRK # \$00
\$3A99: 00 04	BRK # \$04
\$3A9B: 07 00	SLO a00
\$3A9D: 00 00	BRK # \$00
\$3A9F: 00 00	BRK # \$00
\$3AA1: 00 00	BRK # \$00
\$3AA3: 00 00	BRK # \$00
\$3AA5: 00 04	BRK # \$04
\$3AA7: 07 00	SLO a00
\$3AA9: 00 00	BRK # \$00
\$3AAB: 00 00	BRK # \$00
\$3AAD: 00 00	BRK # \$00
\$3AAF: 00 00	BRK # \$00

\$3AB1: 00 04	BRK # \$04
\$3AB3: 07 00	SLO a00
\$3AB5: 00 00	BRK # \$00
\$3AB7: 00 00	BRK # \$00
\$3AB9: 00 00	BRK # \$00
\$3ABB: 00 00	BRK # \$00
\$3ABD: 00 00	BRK # \$00
\$3ABF: 00 04	BRK # \$04
\$3AC1: 07 00	SLO a00
\$3AC3: 00 00	BRK # \$00
\$3AC5: 00 00	BRK # \$00
\$3AC7: 00 00	BRK # \$00
\$3AC9: 00 00	BRK # \$00
\$3ACB: 00 04	BRK # \$04
\$3ACD: 07 00	SLO a00
\$3ACF: 00 00	BRK # \$00
\$3AD1: 00 00	BRK # \$00
\$3AD3: 00 00	BRK # \$00
\$3AD5: 00 00	BRK # \$00
\$3AD7: 00 00	BRK # \$00
\$3AD9: 00 04	BRK # \$04
\$3ADB: 07 00	SLO a00
\$3ADD: 00 00	BRK # \$00
\$3ADF: 00 00	BRK # \$00
\$3AE1: 00 00	BRK # \$00

\$3AE3: 00 00	BRK # \$00
\$3AE5: 00 04	BRK # \$04
\$3AE7: 07 00	SLO a00
\$3AE9: 00 00	BRK # \$00
\$3AEB: 00 00	BRK # \$00
\$3AED: 00 00	BRK # \$00
\$3AEF: 00 00	BRK # \$00
\$3AF1: 00 04	BRK # \$04
\$3AF3: 07 00	SLO a00
\$3AF5: 00 00	BRK # \$00
\$3AF7: 00 00	BRK # \$00
\$3AF9: 00 00	BRK # \$00
\$3AFB: 00 00	BRK # \$00
\$3AFD: 00 00	BRK # \$00

f3B00 =\*+\$01

\$3AFF: 00 04	BRK # \$04
\$3B01: 07 00	SLO a00
\$3B03: 00 00	BRK # \$00
\$3B05: 00 00	BRK # \$00
\$3B07: 00 00	BRK # \$00
\$3B09: 00 00	BRK # \$00
\$3B0B: 00 04	BRK # \$04
\$3B0D: 07 00	SLO a00
\$3B0F: 00 00	BRK # \$00
\$3B11: 00 00	BRK # \$00



\$3B13: 00 00 BRK # \$00  
\$3B15: 00 00 BRK # \$00  
\$3B17: 00 00 BRK # \$00  
\$3B19: 00 04 BRK # \$04  
\$3B1B: 07 00 SLO a00  
\$3B1D: 00 00 BRK # \$00  
\$3B1F: 00 00 BRK # \$00  
\$3B21: 00 00 BRK # \$00  
\$3B23: 00 00 BRK # \$00  
\$3B25: 00 04 BRK # \$04  
\$3B27: 07 00 SLO a00  
\$3B29: 00 00 BRK # \$00  
\$3B2B: 00 00 BRK # \$00  
\$3B2D: 00 00 BRK # \$00  
\$3B2F: 00 00 BRK # \$00  
\$3B31: 00 04 BRK # \$04  
\$3B33: 07 00 SLO a00  
\$3B35: 00 00 BRK # \$00  
\$3B37: 00 00 BRK # \$00

f3B3A =\*+\$01

\$3B39: 00 00 BRK # \$00  
\$3B3B: 00 00 BRK # \$00  
\$3B3D: 00 00 BRK # \$00

f3B40 =\*+\$01

\$3B3F: 00 04 BRK # \$04

\$3B41: 07 00	SLO a00
\$3B43: 00 00	BRK # \$00
\$3B45: 00 00	BRK # \$00
\$3B47: 00 00	BRK # \$00
\$3B49: 00 00	BRK # \$00
\$3B4B: 00 04	BRK # \$04
\$3B4D: 07 00	SLO a00
\$3B4F: 00 00	BRK # \$00
\$3B51: 00 00	BRK # \$00
\$3B53: 00 00	BRK # \$00
\$3B55: 00 00	BRK # \$00
\$3B57: 00 00	BRK # \$00
\$3B59: 00 04	BRK # \$04
\$3B5B: 07 00	SLO a00
\$3B5D: 00 00	BRK # \$00
\$3B5F: 00 00	BRK # \$00
\$3B61: 00 00	BRK # \$00
\$3B63: 00 00	BRK # \$00
\$3B65: 00 04	BRK # \$04
\$3B67: 07 00	SLO a00
\$3B69: 00 00	BRK # \$00
\$3B6B: 00 00	BRK # \$00
\$3B6D: 00 00	BRK # \$00
\$3B6F: 00 00	BRK # \$00
\$3B71: 00 04	BRK # \$04

\$3B73: 07 00	SLO a00
\$3B75: 00 00	BRK # \$00
\$3B77: 00 00	BRK # \$00
\$3B79: 00 00	BRK # \$00
\$3B7B: 00 00	BRK # \$00
\$3B7D: 00 00	BRK # \$00

f3B80 =\*+ \$01

\$3B7F: 00 04	BRK # \$04
\$3B81: 07 00	SLO a00
\$3B83: 00 00	BRK # \$00
\$3B85: 00 00	BRK # \$00
\$3B87: 00 00	BRK # \$00
\$3B89: 00 00	BRK # \$00
\$3B8B: 00 04	BRK # \$04
\$3B8D: 07 00	SLO a00
\$3B8F: 00 00	BRK # \$00
\$3B91: 00 00	BRK # \$00
\$3B93: 00 00	BRK # \$00
\$3B95: 00 00	BRK # \$00
\$3B97: 00 00	BRK # \$00
\$3B99: 00 04	BRK # \$04
\$3B9B: 07 00	SLO a00
\$3B9D: 00 00	BRK # \$00
\$3B9F: 00 00	BRK # \$00
\$3BA1: 00 00	BRK # \$00

\$3BA3: 00 00	BRK # \$00
\$3BA5: 00 04	BRK # \$04
\$3BA7: 07 00	SLO a00
\$3BA9: 00 00	BRK # \$00
\$3BAB: 00 00	BRK # \$00
\$3BAD: 00 00	BRK # \$00
\$3BAF: 00 00	BRK # \$00
\$3BB1: 00 04	BRK # \$04
\$3BB3: 07 00	SLO a00
\$3BB5: 00 00	BRK # \$00
\$3BB7: 00 00	BRK # \$00
\$3BB9: 00 00	BRK # \$00
\$3BBB: 00 00	BRK # \$00
\$3BBD: 00 00	BRK # \$00

f3BC0 =\*+\$01

\$3BBF: 00 04	BRK # \$04
\$3BC1: 07 00	SLO a00
\$3BC3: 00 00	BRK # \$00
\$3BC5: 00 00	BRK # \$00
\$3BC7: 00 00	BRK # \$00
\$3BC9: 00 00	BRK # \$00
\$3BCB: 00 04	BRK # \$04
\$3BCD: 07 00	SLO a00
\$3BCF: 00 00	BRK # \$00
\$3BD1: 00 00	BRK # \$00

\$3BD3: 00 00	BRK # \$00
\$3BD5: 00 00	BRK # \$00
\$3BD7: 00 00	BRK # \$00
\$3BD9: 00 04	BRK # \$04
\$3BDB: 07 00	SLO a00
\$3BDD: 00 00	BRK # \$00
\$3BDF: 00 00	BRK # \$00
\$3BE1: 00 00	BRK # \$00
\$3BE3: 00 00	BRK # \$00
\$3BE5: 00 04	BRK # \$04
\$3BE7: 07 00	SLO a00
\$3BE9: 00 00	BRK # \$00
\$3BEB: 00 00	BRK # \$00
\$3BED: 00 00	BRK # \$00
\$3BEF: 00 00	BRK # \$00
\$3BF1: 00 04	BRK # \$04
\$3BF3: 07 00	SLO a00
\$3BF5: 00 00	BRK # \$00
\$3BF7: 00 00	BRK # \$00
\$3BF9: 00 00	BRK # \$00
\$3BFB: 00 00	BRK # \$00
\$3BFD: 00 00	BRK # \$00
f3C00 =*+ \$01	
\$3BFF: 00 04	BRK # \$04
\$3C01: 07 00	SLO a00

\$3C03: 00 00 BRK # \$00

\$3C05: 00 00 BRK # \$00

\$3C07: 00 00 BRK # \$00

\$3C09: 00 00 BRK # \$00

\$3C0B: 00 04 BRK # \$04

\$3C0D: 07 00 SLO a00

\$3C0F: 00 00 BRK # \$00

\$3C11: 00 00 BRK # \$00

f3C14 =\*+ \$01

\$3C13: 00 00 BRK # \$00

\$3C15: 00 00 BRK # \$00

f3C18 =\*+ \$01

\$3C17: 00 00 BRK # \$00

\$3C19: 00 04 BRK # \$04

a3C1C =\*+ \$01

\$3C1B: 07 00 SLO a00

\$3C1D: 00 00 BRK # \$00

\$3C1F: 00 00 BRK # \$00

\$3C21: 00 00 BRK # \$00

\$3C23: 00 00 BRK # \$00

\$3C25: 00 04 BRK # \$04

\$3C27: 07 00 SLO a00

\$3C29: 00 00 BRK # \$00

f3C2C =\*+ \$01

\$3C2B: 00 00 BRK # \$00

\$3C2D: 00 00 BRK # \$00

f3C30 =\*+\$01

\$3C2F: 00 00 BRK # \$00

\$3C31: 00 04 BRK # \$04

\$3C33: 07 00 SLO a00

\$3C35: 00 00 BRK # \$00

f3C38 =\*+\$01

\$3C37: 00 00 BRK # \$00

\$3C39: 00 00 BRK # \$00

f3C3C =\*+\$01

\$3C3B: 00 00 BRK # \$00

\$3C3D: 00 00 BRK # \$00

f3C40 =\*+\$01

\$3C3F: 00 04 BRK # \$04

\$3C41: 07 00 SLO a00

\$3C43: 00 00 BRK # \$00

\$3C45: 00 00 BRK # \$00

\$3C47: 00 00 BRK # \$00

\$3C49: 00 00 BRK # \$00

a3C4C =\*+\$01

\$3C4B: 00 04 BRK # \$04

\$3C4D: 07 00 SLO a00

\$3C4F: 00 00 BRK # \$00

\$3C51: 00 00 BRK # \$00

\$3C53: 00 00 BRK # \$00

\$3C55: 00 00 BRK # \$00

\$3C57: 00 00 BRK # \$00

\$3C59: 00 04 BRK # \$04

\$3C5B: 07 00 SLO a00

\$3C5D: 00 00 BRK # \$00

\$3C5F: 00 00 BRK # \$00

\$3C61: 00 00 BRK # \$00

\$3C63: 00 00 BRK # \$00

f3C66 =\*+ \$01

\$3C65: 00 04 BRK # \$04

\$3C67: 07 00 SLO a00

\$3C69: 00 00 BRK # \$00

\$3C6B: 00 00 BRK # \$00

\$3C6D: 00 00 BRK # \$00

\$3C6F: 00 00 BRK # \$00

\$3C71: 00 04 BRK # \$04

\$3C73: 07 00 SLO a00

\$3C75: 00 00 BRK # \$00

\$3C77: 00 00 BRK # \$00

\$3C79: 00 00 BRK # \$00

\$3C7B: 00 00 BRK # \$00

\$3C7D: 00 00 BRK # \$00

f3C80 =\*+ \$01

\$3C7F: 00 04 BRK # \$04

\$3C81: 07 00 SLO a00



\$3C83: 00 00	BRK # \$00
\$3C85: 00 00	BRK # \$00
\$3C87: 00 00	BRK # \$00
\$3C89: 00 00	BRK # \$00
\$3C8B: 00 04	BRK # \$04
\$3C8D: 07 00	SLO a00
\$3C8F: 00 00	BRK # \$00
\$3C91: 00 00	BRK # \$00
\$3C93: 00 00	BRK # \$00
\$3C95: 00 00	BRK # \$00
\$3C97: 00 00	BRK # \$00
\$3C99: 00 04	BRK # \$04
\$3C9B: 07 00	SLO a00
\$3C9D: 00 00	BRK # \$00
\$3C9F: 00 00	BRK # \$00
\$3CA1: 00 00	BRK # \$00
\$3CA3: 00 00	BRK # \$00
\$3CA5: 00 04	BRK # \$04
\$3CA7: 07 00	SLO a00
\$3CA9: 00 00	BRK # \$00
\$3CAB: 00 00	BRK # \$00
\$3CAD: 00 00	BRK # \$00
\$3CAF: 00 00	BRK # \$00
\$3CB1: 00 04	BRK # \$04
\$3CB3: 07 00	SLO a00

\$3CB5: 00 00 BRK # \$00  
\$3CB7: 00 00 BRK # \$00  
\$3CB9: 00 00 BRK # \$00  
\$3CBB: 00 00 BRK # \$00  
\$3CBD: 00 00 BRK # \$00

f3CC0 =\*+ \$01

\$3CBF: 00 04 BRK # \$04  
\$3CC1: 07 00 SLO a00  
\$3CC3: 00 00 BRK # \$00  
\$3CC5: 00 00 BRK # \$00  
\$3CC7: 00 00 BRK # \$00  
\$3CC9: 00 00 BRK # \$00  
\$3CCB: 00 04 BRK # \$04  
\$3CCD: 07 00 SLO a00  
\$3CCF: 00 00 BRK # \$00  
\$3CD1: 00 00 BRK # \$00  
\$3CD3: 00 00 BRK # \$00  
\$3CD5: 00 00 BRK # \$00  
\$3CD7: 00 00 BRK # \$00  
\$3CD9: 00 04 BRK # \$04  
\$3CDB: 07 00 SLO a00  
\$3CDD: 00 00 BRK # \$00  
\$3CDF: 00 00 BRK # \$00  
\$3CE1: 00 00 BRK # \$00  
\$3CE3: 00 00 BRK # \$00

\$3CE5: 00 04 BRK # \$04  
\$3CE7: 07 00 SLO a00  
\$3CE9: 00 00 BRK # \$00  
\$3CEB: 00 00 BRK # \$00  
\$3CED: 00 00 BRK # \$00  
\$3CEF: 00 00 BRK # \$00  
\$3CF1: 00 04 BRK # \$04  
\$3CF3: 07 00 SLO a00  
\$3CF5: 00 00 BRK # \$00  
\$3CF7: 00 00 BRK # \$00  
\$3CF9: 00 00 BRK # \$00

a3CFC =\*+ \$01

\$3CFB: 00 00 BRK # \$00  
\$3CFD: 00 00 BRK # \$00

f3D00 =\*+ \$01

\$3CFF: 00 04 BRK # \$04  
\$3D01: 07 00 SLO a00  
\$3D03: 00 00 BRK # \$00  
\$3D05: 00 00 BRK # \$00  
\$3D07: 00 00 BRK # \$00  
\$3D09: 00 00 BRK # \$00  
\$3D0B: 00 04 BRK # \$04  
\$3D0D: 07 00 SLO a00  
\$3D0F: 00 00 BRK # \$00  
\$3D11: 00 00 BRK # \$00

\$3D13: 00 00 BRK # \$00  
\$3D15: 00 00 BRK # \$00  
\$3D17: 00 00 BRK # \$00  
\$3D19: 00 04 BRK # \$04  
\$3D1B: 07 00 SLO a00  
\$3D1D: 00 00 BRK # \$00  
\$3D1F: 00 00 BRK # \$00  
\$3D21: 00 00 BRK # \$00  
\$3D23: 00 00 BRK # \$00  
\$3D25: 00 04 BRK # \$04  
\$3D27: 07 00 SLO a00  
\$3D29: 00 00 BRK # \$00  
\$3D2B: 00 00 BRK # \$00  
\$3D2D: 00 00 BRK # \$00  
\$3D2F: 00 00 BRK # \$00  
\$3D31: 00 04 BRK # \$04  
\$3D33: 07 00 SLO a00  
\$3D35: 00 00 BRK # \$00  
\$3D37: 00 00 BRK # \$00  
\$3D39: 00 00 BRK # \$00

a3D3C =\*+\$01

\$3D3B: 00 00 BRK # \$00  
\$3D3D: 00 00 BRK # \$00

f3D40 =\*+\$01

\$3D3F: 00 04 BRK # \$04

\$3D41: 07 00	SLO a00
\$3D43: 00 00	BRK # \$00
\$3D45: 00 00	BRK # \$00
\$3D47: 00 00	BRK # \$00
\$3D49: 00 00	BRK # \$00
\$3D4B: 00 04	BRK # \$04
\$3D4D: 07 00	SLO a00
\$3D4F: 00 00	BRK # \$00
\$3D51: 00 00	BRK # \$00
\$3D53: 00 00	BRK # \$00
\$3D55: 00 00	BRK # \$00
\$3D57: 00 00	BRK # \$00
\$3D59: 00 04	BRK # \$04
\$3D5B: 07 00	SLO a00
\$3D5D: 00 00	BRK # \$00
\$3D5F: 00 00	BRK # \$00
\$3D61: 00 00	BRK # \$00
\$3D63: 00 00	BRK # \$00
\$3D65: 00 04	BRK # \$04
\$3D67: 07 00	SLO a00
\$3D69: 00 00	BRK # \$00
\$3D6B: 00 00	BRK # \$00
\$3D6D: 00 00	BRK # \$00
\$3D6F: 00 00	BRK # \$00
\$3D71: 00 04	BRK # \$04

\$3D73: 07 00 SLO a00  
\$3D75: 00 00 BRK # \$00  
\$3D77: 00 00 BRK # \$00  
\$3D79: 00 00 BRK # \$00  
\$3D7B: 00 00 BRK # \$00  
\$3D7D: 00 00 BRK # \$00

f3D80 =\*+ \$01

\$3D7F: 00 04 BRK # \$04  
\$3D81: 07 00 SLO a00  
\$3D83: 00 00 BRK # \$00  
\$3D85: 00 00 BRK # \$00  
\$3D87: 00 00 BRK # \$00  
\$3D89: 00 00 BRK # \$00  
\$3D8B: 00 04 BRK # \$04  
\$3D8D: 07 00 SLO a00  
\$3D8F: 00 00 BRK # \$00  
\$3D91: 00 5B BRK # \$5B  
\$3D93: 5B 00 00 SRE e0000,Y  
\$3D96: 00 00 BRK # \$00  
\$3D98: 00 00 BRK # \$00  
\$3D9A: 04 07 NOP a07  
\$3D9C: 00 00 BRK # \$00  
\$3D9E: 00 00 BRK # \$00  
\$3DA0: 00 00 BRK # \$00  
\$3DA2: 00 00 BRK # \$00

\$3DA4: 00 00	BRK #00
\$3DA6: 04 07	NOP a07
\$3DA8: 00 00	BRK #00
\$3DAA: 00 00	BRK #00
\$3DAC: 00 00	BRK #00
\$3DAE: 00 00	BRK #00
\$3DB0: 00 00	BRK #00
\$3DB2: 04 07	NOP a07
\$3DB4: 19 1A 00	ORA f001A,Y
\$3DB7: 00 00	BRK #00
\$3DB9: 00 00	BRK #00
\$3DBB: 00 00	BRK #00
\$3DBD: 00 00	BRK #00
f3DC0 =*+01	
\$3DBF: 00 04	BRK #04
\$3DC1: 07 00	SLO a00
\$3DC3: 00 00	BRK #00
\$3DC5: 00 00	BRK #00
\$3DC7: 00 00	BRK #00
\$3DC9: 00 00	BRK #00
\$3DCB: 00 04	BRK #04
\$3DCD: 07 00	SLO a00
\$3DCF: 00 00	BRK #00
\$3DD1: 00 5B	BRK #5B
\$3DD3: 5B 00 00	SRE e0000,Y

\$3DD6: 00 00	BRK # \$00
\$3DD8: 00 00	BRK # \$00
\$3DDA: 0A	ASL
\$3DDB: 0C 00 00	NOP e0000
\$3DDE: 00 00	BRK # \$00
\$3DE0: 00 00	BRK # \$00
\$3DE2: 00 00	BRK # \$00
\$3DE4: 00 00	BRK # \$00
\$3DE6: 04 07	NOP a07
\$3DE8: 00 00	BRK # \$00
\$3DEA: 00 00	BRK # \$00
\$3DEC: 00 00	BRK # \$00
\$3DEE: 00 00	BRK # \$00
\$3DF0: 00 00	BRK # \$00
\$3DF2: 0A	ASL
\$3DF3: 0C 1B 1C	NOP a1C1B
\$3DF6: 00 00	BRK # \$00
\$3DF8: 00 00	BRK # \$00
\$3DFA: 00 00	BRK # \$00
\$3DFC: 00 00	BRK # \$00
\$3DFE: 00 00	BRK # \$00
\$3E00: 04 07	f3E00 NOP a07
\$3E02: 00 00	BRK # \$00
\$3E04: 00 00	BRK # \$00
\$3E06: 00 00	BRK # \$00



\$3E08: 00 00	BRK # \$00
\$3E0A: 00 00	BRK # \$00
\$3E0C: 04 07	NOP a07
\$3E0E: 00 00	BRK # \$00
\$3E10: 00 00	BRK # \$00
\$3E12: 00 00	BRK # \$00
\$3E14: 00 00	BRK # \$00
\$3E16: 00 00	BRK # \$00
\$3E18: 00 00	BRK # \$00
\$3E1A: 00 00	BRK # \$00
\$3E1C: 00 00	BRK # \$00
\$3E1E: 00 00	BRK # \$00
\$3E20: 00 00	BRK # \$00
\$3E22: 00 00	BRK # \$00
\$3E24: 00 00	BRK # \$00

f3E27 =\*+\$01

\$3E26: 04 07	NOP a07
\$3E28: 00 00	BRK # \$00
\$3E2A: 00 00	BRK # \$00
\$3E2C: 00 00	BRK # \$00
\$3E2E: 00 00	BRK # \$00
\$3E30: 00 00	BRK # \$00
\$3E32: 00 00	BRK # \$00
\$3E34: 00 00	BRK # \$00
\$3E36: 00 00	BRK # \$00

\$3E38: 00 00	BRK # \$00
\$3E3A: 00 00	BRK # \$00
f3E3D =*+\$01	
\$3E3C: 00 00	BRK # \$00
\$3E3E: 00 00	BRK # \$00
\$3E40: 04 07	f3E40 NOP a07
\$3E42: 00 00	BRK # \$00
\$3E44: 00 00	BRK # \$00
\$3E46: 00 00	BRK # \$00
\$3E48: 00 00	BRK # \$00
\$3E4A: 00 00	BRK # \$00
\$3E4C: 04 07	NOP a07
\$3E4E: 00 00	BRK # \$00
\$3E50: 00 00	BRK # \$00
\$3E52: 00 00	BRK # \$00
\$3E54: 00 00	BRK # \$00
\$3E56: 00 00	BRK # \$00
\$3E58: 00 00	BRK # \$00
\$3E5A: 00 00	BRK # \$00
\$3E5C: 00 00	BRK # \$00
\$3E5E: 00 00	BRK # \$00
\$3E60: 00 00	a3E60 BRK # \$00
\$3E62: 00 00	BRK # \$00
\$3E64: 00 00	BRK # \$00
\$3E66: 04 07	f3E66 NOP a07

\$3E68: 00 00	BRK # \$00
\$3E6A: 00 00	BRK # \$00
\$3E6C: 00 00	BRK # \$00
\$3E6E: 00 00	BRK # \$00
\$3E70: 00 00	BRK # \$00
\$3E72: 00 00	BRK # \$00
\$3E74: 00 00	BRK # \$00
\$3E76: 00 00	BRK # \$00
\$3E78: 00 00	BRK # \$00
\$3E7A: 00 00	BRK # \$00
\$3E7C: 00 00	BRK # \$00
\$3E7E: 00 00	BRK # \$00
\$3E80: 04 07	f3E80 NOP a07
\$3E82: 00 00	BRK # \$00
\$3E84: 00 00	BRK # \$00
\$3E86: 00 00	BRK # \$00
\$3E88: 00 00	BRK # \$00
\$3E8A: 00 00	BRK # \$00
\$3E8C: 04 07	NOP a07
\$3E8E: 00 00	BRK # \$00
\$3E90: 00 00	BRK # \$00
\$3E92: 00 00	BRK # \$00
\$3E94: 00 00	BRK # \$00
\$3E96: 00 00	BRK # \$00
\$3E98: 00 00	BRK # \$00

\$3E9A: 00 00	BRK #00
\$3E9C: 00 00	BRK #00
\$3E9E: 00 00	BRK #00
\$3EA0: 00 00	BRK #00
\$3EA2: 00 00	BRK #00
\$3EA4: 00 00	BRK #00
\$3EA6: 04 07	NOP a07
\$3EA8: 78	SEI
\$3EA9: 79 00 00	ADC e0000,Y
\$3EAC: 00 00	BRK #00
\$3EAE: 00 00	BRK #00
\$3EB0: 00 00	BRK #00
\$3EB2: 00 00	BRK #00
\$3EB4: 00 00	BRK #00
\$3EB6: 00 00	BRK #00
\$3EB8: 00 00	BRK #00
\$3EBA: 00 00	BRK #00
\$3EBC: 00 00	BRK #00
\$3EBE: 00 00	BRK #00
\$3EC0: 04 07	f3EC0 NOP a07
\$3EC2: 00 00	BRK #00
\$3EC4: 00 00	BRK #00
\$3EC6: 00 00	BRK #00
\$3EC8: 00 00	BRK #00
\$3ECA: 00 00	BRK #00

\$3ECC: 04 07	NOP a07
\$3ECE: 00 00	BRK #00
\$3ED0: 00 00	BRK #00
\$3ED2: 00 00	BRK #00
\$3ED4: 00 00	BRK #00
\$3ED6: 00 00	BRK #00
\$3ED8: 00 00	BRK #00
\$3EDA: 00 00	BRK #00
\$3EDC: 00 00	BRK #00
\$3EDE: 00 00	BRK #00
\$3EE0: 00 00	BRK #00
\$3EE2: 00 00	BRK #00
\$3EE4: 00 00	BRK #00
\$3EE6: 04 07	NOP a07
\$3EE8: 7A	NOP
\$3EE9: 7B 00 00	RRA e0000,Y
\$3EEC: 00 00	BRK #00
\$3EEE: 00 00	BRK #00
\$3EF0: 00 00	BRK #00
\$3EF2: 00 00	BRK #00
\$3EF4: 00 00	BRK #00
\$3EF6: 00 00	BRK #00
\$3EF8: 00 00	BRK #00
\$3EFA: 00 00	BRK #00
\$3EFC: 00 00	BRK #00

\$3EFE: 00 00	BRK # \$00
\$3F00: 04 07	f3F00 NOP a07
\$3F02: 00 00	BRK # \$00
\$3F04: 00 00	BRK # \$00
\$3F06: 00 00	BRK # \$00
\$3F08: 00 00	BRK # \$00
\$3FOA: 00 00	BRK # \$00
\$3FOC: 04 07	NOP a07
\$3FOE: 00 00	BRK # \$00
\$3F10: 00 00	BRK # \$00
\$3F12: 00 00	BRK # \$00
\$3F14: 00 00	BRK # \$00
\$3F16: 00 00	BRK # \$00
\$3F18: 00 00	BRK # \$00
\$3F1A: 00 00	BRK # \$00
\$3F1C: 00 00	BRK # \$00
\$3F1E: 00 00	BRK # \$00
\$3F20: 00 00	BRK # \$00
\$3F22: 00 00	BRK # \$00
\$3F24: 00 00	BRK # \$00
\$3F26: 04 07	NOP a07
\$3F28: 00 00	BRK # \$00
\$3F2A: 00 00	BRK # \$00
\$3F2C: 00 00	BRK # \$00
\$3F2E: 00 00	BRK # \$00

\$3F30: 00 00	BRK # \$00
\$3F32: 00 00	BRK # \$00
\$3F34: 00 00	BRK # \$00
\$3F36: 00 00	BRK # \$00
\$3F38: 00 00	BRK # \$00
\$3F3A: 00 00	BRK # \$00
\$3F3C: 00 00	BRK # \$00
\$3F3E: 00 00	f3F3E BRK # \$00
\$3F40: 04 07	f3F40 NOP a07
\$3F42: 00 00	BRK # \$00
\$3F44: 00 00	BRK # \$00
\$3F46: 00 00	BRK # \$00
\$3F48: 00 00	BRK # \$00
\$3F4A: 00 00	BRK # \$00
\$3F4C: 04 07	NOP a07
\$3F4E: 00 00	BRK # \$00
\$3F50: 00 00	BRK # \$00
\$3F52: 00 00	BRK # \$00
\$3F54: 00 00	BRK # \$00
\$3F56: 00 00	BRK # \$00
\$3F58: 00 00	BRK # \$00
\$3F5A: 00 00	BRK # \$00
\$3F5C: 00 00	BRK # \$00
\$3F5E: 00 00	BRK # \$00
\$3F60: 00 00	BRK # \$00

\$3F62: 00 00	BRK # \$00
\$3F64: 00 00	BRK # \$00
\$3F66: 04 07	NOP a07
\$3F68: 00 00	BRK # \$00
\$3F6A: 00 00	BRK # \$00
\$3F6C: 00 00	BRK # \$00
\$3F6E: 00 00	BRK # \$00
\$3F70: 00 00	BRK # \$00
\$3F72: 00 00	BRK # \$00
\$3F74: 00 00	BRK # \$00
\$3F76: 00 00	BRK # \$00
\$3F78: 00 00	BRK # \$00
\$3F7A: 00 00	BRK # \$00
\$3F7C: 00 00	BRK # \$00
\$3F7E: 00 00	BRK # \$00
\$3F80: 04 07	f3F80 NOP a07
\$3F82: 00 00	BRK # \$00
\$3F84: 00 00	BRK # \$00
\$3F86: 00 00	BRK # \$00
\$3F88: 00 00	BRK # \$00
\$3F8A: 00 00	BRK # \$00
\$3F8C: 04 07	NOP a07
\$3F8E: 00 00	BRK # \$00
\$3F90: 00 00	BRK # \$00
\$3F92: 00 00	BRK # \$00



\$3F94: 00 00	BRK # \$00
\$3F96: 00 00	BRK # \$00
\$3F98: 00 00	BRK # \$00
\$3F9A: 00 00	BRK # \$00
\$3F9C: 00 00	BRK # \$00
\$3F9E: 00 00	BRK # \$00
\$3FA0: 00 00	BRK # \$00
\$3FA2: 00 00	BRK # \$00
\$3FA4: 00 00	BRK # \$00
\$3FA6: 04 07	NOP a07
\$3FA8: 00 00	BRK # \$00
\$3FAA: 00 00	BRK # \$00
\$3FAC: 11 12	ORA (p12),Y
\$3FAE: 00 00	BRK # \$00
\$3FB0: 00 00	BRK # \$00
\$3FB2: 00 00	BRK # \$00
\$3FB4: 00 00	BRK # \$00
\$3FB6: 00 00	BRK # \$00
\$3FB8: 00 00	BRK # \$00
\$3FBA: 11 12	ORA (p12),Y
\$3FBC: 00 00	BRK # \$00
\$3FBE: 00 00	BRK # \$00
\$3FC0: 04 07	f3FC0 NOP a07
\$3FC2: 00 00	BRK # \$00
\$3FC4: 00 00	BRK # \$00

\$3FC6: 00 00	BRK # \$00
\$3FC8: 00 00	BRK # \$00
\$3FCA: 00 00	BRK # \$00
\$3FCC: 04 07	NOP a07
\$3FCE: 00 00	BRK # \$00
\$3FD0: 00 00	BRK # \$00
\$3FD2: 00 00	BRK # \$00
\$3FD4: 00 00	BRK # \$00
\$3FD6: 00 00	BRK # \$00
\$3FD8: 00 00	BRK # \$00
\$3FDA: 00 00	BRK # \$00
\$3FDC: 00 00	BRK # \$00
\$3FDE: 00 00	BRK # \$00
\$3FE0: 00 00	BRK # \$00
\$3FE2: 00 00	BRK # \$00
\$3FE4: 00 00	BRK # \$00
\$3FE6: 04 07	NOP a07
\$3FE8: 00 00	BRK # \$00
\$3FEA: 00 00	BRK # \$00
\$3FEC: 13 14	SLO (p14),Y
\$3FEE: 00 00	BRK # \$00
\$3FF0: 00 00	BRK # \$00
\$3FF2: 00 00	BRK # \$00
\$3FF4: 00 00	BRK # \$00
\$3FF6: 00 00	BRK # \$00

\$3FF8: 00 00 BRK # \$00

f3FFB =\*+\$01

\$3FFA: 13 14 SLO (p14),Y

\$3FFC: 00 00 BRK # \$00

\$3FFE: 00 00 BRK # \$00

\$4000: 00 00 f4000 BRK # \$00

f4003 =\*+\$01

\$4002: 00 00 BRK # \$00

\$4004: 00 00 BRK # \$00

\$4006: 00 00 BRK # \$00

\$4008: 00 00 BRK # \$00

\$400A: 00 04 BRK # \$04

\$400C: 07 00 SLO a00

\$400E: 00 00 BRK # \$00

\$4010: 00 00 BRK # \$00

\$4012: 00 00 BRK # \$00

\$4014: 00 00 BRK # \$00

\$4016: 00 00 BRK # \$00

\$4018: 00 04 BRK # \$04

\$401A: 07 00 SLO a00

\$401C: 00 00 BRK # \$00

\$401E: 00 00 BRK # \$00

\$4020: 00 00 BRK # \$00

\$4022: 00 00 BRK # \$00

\$4024: 00 00 BRK # \$00

\$4026: 00 00 BRK # \$00

\$4028: 00 00 BRK # \$00

f402B =\*+\$01

\$402A: 00 00 BRK # \$00

\$402C: 00 00 BRK # \$00

\$402E: 00 00 BRK # \$00

\$4030: 00 00 BRK # \$00

\$4032: 00 04 BRK # \$04

\$4034: 07 00 SLO a00

\$4036: 00 00 BRK # \$00

\$4038: 00 00 BRK # \$00

\$403A: 00 00 BRK # \$00

\$403C: 00 00 BRK # \$00

\$403E: 00 00 BRK # \$00

\$4040: 00 04 a4040 BRK # \$04

\$4042: 07 00 SLO a00

\$4044: 00 00 BRK # \$00

\$4046: 00 00 BRK # \$00

\$4048: 00 00 BRK # \$00

\$404A: 00 00 BRK # \$00

\$404C: 00 00 BRK # \$00

\$404E: 00 00 BRK # \$00

\$4050: 00 00 BRK # \$00

f4053 =\*+\$01

\$4052: 00 00 BRK # \$00

\$4054: 00 00 BRK # \$00  
\$4056: 00 00 BRK # \$00  
\$4058: 00 00 BRK # \$00  
\$405A: 00 04 f405A BRK # \$04  
f405D =\*+ \$01  
\$405C: 07 00 SLO a00  
f405F =\*+ \$01  
\$405E: 00 00 BRK # \$00  
\$4060: 00 00 BRK # \$00  
\$4062: 00 00 BRK # \$00  
\$4064: 00 00 BRK # \$00  
\$4066: 00 00 BRK # \$00  
\$4068: 00 04 BRK # \$04  
\$406A: 07 00 SLO a00  
\$406C: 00 00 BRK # \$00  
\$406E: 00 00 BRK # \$00  
\$4070: 00 00 BRK # \$00  
\$4072: 00 00 BRK # \$00  
\$4074: 00 00 BRK # \$00  
\$4076: 00 00 BRK # \$00  
\$4078: 00 00 BRK # \$00  
f407B =\*+ \$01  
\$407A: 00 00 BRK # \$00  
\$407C: 00 00 BRK # \$00  
\$407E: 00 00 BRK # \$00

\$4080: 00 00	BRK # \$00
\$4082: 00 04	BRK # \$04
\$4084: 07 00	SLO a00
\$4086: 00 00	BRK # \$00
\$4088: 00 00	BRK # \$00
\$408A: 00 00	BRK # \$00
\$408C: 00 00	BRK # \$00
\$408E: 00 00	BRK # \$00
\$4090: 00 04	BRK # \$04
\$4092: 07 00	SLO a00
\$4094: 00 00	BRK # \$00
\$4096: 00 00	BRK # \$00
\$4098: 00 00	BRK # \$00
\$409A: 00 00	BRK # \$00
\$409C: 00 00	BRK # \$00
\$409E: 00 00	BRK # \$00
\$40A0: 00 00	BRK # \$00

f40A3 =\*+\$01

\$40A2: 00 00	BRK # \$00
\$40A4: 00 00	BRK # \$00
\$40A6: 00 00	BRK # \$00
\$40A8: 00 00	BRK # \$00
\$40AA: 00 04	BRK # \$04
\$40AC: 07 00	SLO a00
\$40AE: 00 00	BRK # \$00

\$40B0: 00 00 BRK # \$00

\$40B2: 00 00 BRK # \$00

\$40B4: 00 00 BRK # \$00

\$40B6: 00 00 BRK # \$00

\$40B8: 00 04 BRK # \$04

\$40BA: 07 00 SLO a00

\$40BC: 00 00 BRK # \$00

\$40BE: 00 00 BRK # \$00

\$40C0: 00 00 BRK # \$00

\$40C2: 00 00 BRK # \$00

\$40C4: 00 00 BRK # \$00

\$40C6: 00 00 BRK # \$00

\$40C8: 00 00 BRK # \$00

f40CB =\*+ \$01

\$40CA: 00 00 BRK # \$00

\$40CC: 00 00 BRK # \$00

\$40CE: 00 00 BRK # \$00

\$40D0: 00 00 BRK # \$00

\$40D2: 00 04 BRK # \$04

\$40D4: 07 00 SLO a00

\$40D6: 00 00 BRK # \$00

f40D9 =\*+ \$01

\$40D8: 00 00 BRK # \$00

\$40DA: 00 00 BRK # \$00

\$40DC: 00 00 BRK # \$00

\$40DE: 00 00	BRK #	\$00	
\$40E0: 00 04	BRK #	\$04	
\$40E2: 07 00	SLO a	00	
\$40E4: 00 00	BRK #	\$00	
\$40E6: 00 00	BRK #	\$00	
\$40E8: 00 00	BRK #	\$00	
\$40EA: 00 00	BRK #	\$00	
\$40EC: 00 00	BRK #	\$00	
\$40EE: 00 00	BRK #	\$00	
\$40F0: 00 00	f40F0	BRK #	\$00
	f40F3	=*	\$01
\$40F2: 00 00	BRK #	\$00	
\$40F4: 00 00	BRK #	\$00	
\$40F6: 00 00	BRK #	\$00	
\$40F8: 00 00	BRK #	\$00	
\$40FA: 00 04	BRK #	\$04	
\$40FC: 07 00	f40FC	SLO a	00
\$40FE: 00 00	f40FE	BRK #	\$00
\$4100: 00 00	f4100	BRK #	\$00
\$4102: 00 00	BRK #	\$00	
\$4104: 00 00	BRK #	\$00	
\$4106: 00 00	BRK #	\$00	
\$4108: 00 04	BRK #	\$04	
\$410A: 07 00	SLO a	00	
\$410C: 00 00	BRK #	\$00	



\$410E: 00 00 BRK # \$00  
\$4110: 00 00 BRK # \$00  
\$4112: 00 00 BRK # \$00  
\$4114: 00 00 BRK # \$00  
\$4116: 00 00 BRK # \$00  
\$4118: 00 00 BRK # \$00

f411B =\*+\$01

\$411A: 00 00 BRK # \$00  
\$411C: 00 00 f411C BRK # \$00  
\$411E: 00 00 BRK # \$00  
\$4120: 00 00 BRK # \$00  
\$4122: 00 04 BRK # \$04  
\$4124: 07 00 SLO a00  
\$4126: 00 00 BRK # \$00  
\$4128: 00 00 BRK # \$00  
\$412A: 00 00 BRK # \$00  
\$412C: 00 00 BRK # \$00  
\$412E: 00 00 BRK # \$00  
\$4130: 00 04 BRK # \$04  
\$4132: 07 00 SLO a00  
\$4134: 00 00 BRK # \$00  
\$4136: 00 00 BRK # \$00  
\$4138: 00 00 BRK # \$00  
\$413A: 00 00 BRK # \$00  
\$413C: 00 00 BRK # \$00

\$413E: 00 00 BRK # \$00

\$4140: 00 00 BRK # \$00

f4143 =\*+\$01

\$4142: 00 00 BRK # \$00

s4145 =\*+\$01

\$4144: 00 00 BRK # \$00

s4147 =\*+\$01

\$4146: 00 00 BRK # \$00

\$4148: 00 00 s4148 BRK # \$00

\$414A: 00 04 BRK # \$04

\$414C: 07 00 SLO a00

\$414E: 00 00 BRK # \$00

\$4150: 00 00 BRK # \$00

\$4152: 00 00 BRK # \$00

\$4154: 00 00 BRK # \$00

\$4156: 00 00 s4156 BRK # \$00

\$4158: 00 04 BRK # \$04

\$415A: 07 00 SLO a00

\$415C: 00 00 BRK # \$00

\$415E: 00 00 BRK # \$00

\$4160: 00 00 BRK # \$00

\$4162: 00 00 BRK # \$00

\$4164: 00 00 BRK # \$00

\$4166: 00 00 BRK # \$00

\$4168: 00 00 BRK # \$00

f416B =\*+\$01

\$416A: 00 00 BRK # \$00

\$416C: 00 00 BRK # \$00

\$416E: 00 00 BRK # \$00

\$4170: 00 00 BRK # \$00

\$4172: 00 04 BRK # \$04

\$4174: 07 00 SLO a00

\$4176: 00 00 BRK # \$00

\$4178: 00 00 BRK # \$00

\$417A: 00 00 BRK # \$00

\$417C: 00 00 BRK # \$00

\$417E: 00 00 BRK # \$00

\$4180: 00 04 BRK # \$04

\$4182: 07 00 SLO a00

\$4184: 00 00 BRK # \$00

\$4186: 00 00 BRK # \$00

\$4188: 00 00 BRK # \$00

\$418A: 00 00 BRK # \$00

\$418C: 00 00 BRK # \$00

\$418E: 00 00 BRK # \$00

\$4190: 00 00 BRK # \$00

f4193 =\*+\$01

\$4192: 00 00 BRK # \$00

\$4194: 00 00 BRK # \$00

\$4196: 00 00 BRK # \$00

\$4198: 00 00	BRK # \$00
\$419A: 00 04	BRK # \$04
\$419C: 07 00	SLO a00
\$419E: 00 00	BRK # \$00
\$41A0: 00 5B	BRK # \$5B
\$41A2: 5B 00 00	SRE e0000,Y
\$41A5: 00 00	BRK # \$00
\$41A7: 00 00	BRK # \$00
\$41A9: 04 07	NOP a07
\$41AB: 00 00	BRK # \$00
\$41AD: 00 00	BRK # \$00
\$41AF: 00 00	BRK # \$00
\$41B1: 00 00	BRK # \$00
\$41B3: 00 00	BRK # \$00
\$41B5: 00 00	BRK # \$00
\$41B7: 00 00	BRK # \$00
\$41B9: 00 00	BRK # \$00
\$41BB: 00 00	f41BB BRK # \$00
\$41BD: 00 00	BRK # \$00
\$41BF: 00 00	BRK # \$00
\$41C1: 00 00	BRK # \$00
\$41C3: 04 07	NOP a07
\$41C5: 00 00	BRK # \$00
\$41C7: 00 00	BRK # \$00
\$41C9: 5B 5B 00	SRE f005B,Y

\$41CC: 00 00	BRK # \$00
\$41CE: 00 00	BRK # \$00
\$41D0: 00 0A	BRK # \$0A
\$41D2: 0C 00 00	NOP e0000
\$41D5: 00 00	BRK # \$00
\$41D7: 00 00	BRK # \$00
\$41D9: 00 00	BRK # \$00
\$41DB: 00 00	BRK # \$00
\$41DD: 00 00	BRK # \$00
\$41DF: 00 00	BRK # \$00
\$41E1: 00 00	BRK # \$00
\$41E3: 00 00	f41E3 BRK # \$00
\$41E5: 00 00	BRK # \$00
\$41E7: 00 00	BRK # \$00
\$41E9: 00 00	BRK # \$00
\$41EB: 04 07	NOP a07
\$41ED: 00 00	BRK # \$00
\$41EF: 00 00	BRK # \$00
\$41F1: 00 00	BRK # \$00
\$41F3: 00 00	BRK # \$00
\$41F5: 00 00	BRK # \$00
\$41F7: 00 00	BRK # \$00
\$41F9: 00 00	BRK # \$00
\$41FB: 00 00	BRK # \$00
\$41FD: 00 00	BRK # \$00

f4200 =\*+\$01

\$41FF: 00 00 BRK # \$00

\$4201: 00 00 BRK # \$00

\$4203: 00 00 a4203 BRK # \$00

\$4205: 00 00 BRK # \$00

\$4207: 00 00 BRK # \$00

\$4209: 00 00 BRK # \$00

\$420B: 00 00 f420B BRK # \$00

\$420D: 00 00 BRK # \$00

\$420F: 00 00 BRK # \$00

\$4211: 00 00 BRK # \$00

\$4213: 04 07 NOP a07

\$4215: 00 00 BRK # \$00

\$4217: 00 00 BRK # \$00

\$4219: 00 00 BRK # \$00

\$421B: 00 00 BRK # \$00

\$421D: 00 00 BRK # \$00

a4220 =\*+\$01

\$421F: 00 00 BRK # \$00

\$4221: 00 00 BRK # \$00

\$4223: 00 00 BRK # \$00

\$4225: 00 00 BRK # \$00

\$4227: 00 00 BRK # \$00

\$4229: 00 00 BRK # \$00

\$422B: 00 00 BRK # \$00

\$422D: 00 00	BRK # \$00
\$422F: 00 00	BRK # \$00
\$4231: 00 00	BRK # \$00
\$4233: 00 00	f4233 BRK # \$00
\$4235: 00 00	BRK # \$00
\$4237: 00 00	BRK # \$00
\$4239: 00 00	BRK # \$00
\$423B: 04 07	NOP a07
\$423D: 00 00	BRK # \$00
\$423F: 00 00	BRK # \$00
\$4241: 00 00	j4241 BRK # \$00
\$4243: 00 00	BRK # \$00
\$4245: 00 00	BRK # \$00
\$4247: 00 00	BRK # \$00
\$4249: 00 00	BRK # \$00
\$424B: 00 00	BRK # \$00
\$424D: 00 00	BRK # \$00
\$424F: 00 00	BRK # \$00
\$4251: 00 00	BRK # \$00
\$4253: 00 00	BRK # \$00
\$4255: 00 00	BRK # \$00
\$4257: 00 00	BRK # \$00
\$4259: 00 00	BRK # \$00
\$425B: 00 00	f425B BRK # \$00
\$425D: 00 00	BRK # \$00

\$425F: 00 00	BRK # \$00
\$4261: 00 00	BRK # \$00
\$4263: 04 07	NOP a07
\$4265: 00 00	BRK # \$00
\$4267: 00 00	BRK # \$00
\$4269: 00 00	BRK # \$00
\$426B: 00 00	BRK # \$00
\$426D: 00 00	BRK # \$00
\$426F: 00 00	BRK # \$00
\$4271: 00 00	BRK # \$00
\$4273: 00 00	BRK # \$00
\$4275: 00 00	BRK # \$00
\$4277: 00 00	BRK # \$00
\$4279: 00 00	BRK # \$00
\$427B: 00 00	BRK # \$00
\$427D: 00 00	BRK # \$00
\$427F: 00 00	BRK # \$00
\$4281: 00 00	BRK # \$00
\$4283: 00 00	f4283 BRK # \$00
\$4285: 00 00	BRK # \$00
\$4287: 00 00	BRK # \$00
\$4289: 00 00	BRK # \$00
\$428B: 04 07	NOP a07
\$428D: 00 00	BRK # \$00

a4290 =\*+\$01



\$428F: 00 00	BRK # \$00
\$4291: 00 00	BRK # \$00
\$4293: 00 00	BRK # \$00
\$4295: 00 00	BRK # \$00
\$4297: 00 00	BRK # \$00
\$4299: 00 00	BRK # \$00
\$429B: 00 00	BRK # \$00
\$429D: 00 00	BRK # \$00
\$429F: 00 00	BRK # \$00
\$42A1: 00 00	BRK # \$00
\$42A3: 00 00	BRK # \$00
\$42A5: 00 00	BRK # \$00
\$42A7: 00 00	BRK # \$00
\$42A9: 00 00	BRK # \$00
\$42AB: 00 00	f42AB BRK # \$00
\$42AD: 00 00	BRK # \$00
\$42AF: 00 00	BRK # \$00
\$42B1: 00 00	BRK # \$00
\$42B3: 04 07	NOP a07
\$42B5: 00 00	BRK # \$00
\$42B7: 00 00	BRK # \$00
\$42B9: 00 00	BRK # \$00
\$42BB: 00 00	BRK # \$00
\$42BD: 00 00	BRK # \$00
\$42BF: 00 00	BRK # \$00

\$42C1: 00 00	BRK # \$00
\$42C3: 00 00	BRK # \$00
\$42C5: 00 00	BRK # \$00
\$42C7: 00 00	BRK # \$00
\$42C9: 00 00	BRK # \$00
\$42CB: 00 00	BRK # \$00
\$42CD: 00 00	BRK # \$00
\$42CF: 00 00	BRK # \$00
\$42D1: 00 00	BRK # \$00
\$42D3: 00 00	f42D3 BRK # \$00
\$42D5: 00 00	BRK # \$00
\$42D7: 00 00	BRK # \$00
\$42D9: 00 00	BRK # \$00
\$42DB: 04 07	NOP a07
\$42DD: 00 00	BRK # \$00
\$42DF: 00 00	BRK # \$00
\$42E1: 00 00	BRK # \$00
\$42E3: 00 00	BRK # \$00
\$42E5: 00 00	BRK # \$00
\$42E7: 00 00	BRK # \$00
\$42E9: 00 00	BRK # \$00
\$42EB: 00 00	BRK # \$00
\$42ED: 00 00	BRK # \$00
\$42EF: 00 00	BRK # \$00
\$42F1: 00 00	BRK # \$00

\$42F3: 00 00 BRK # \$00  
\$42F5: 00 00 BRK # \$00  
\$42F7: 00 00 BRK # \$00  
\$42F9: 00 00 BRK # \$00  
\$42FB: 00 00 f42FB BRK # \$00  
\$42FD: 00 00 BRK # \$00  
f4300 =\*+\$01  
\$42FF: 00 00 BRK # \$00  
\$4301: 00 00 BRK # \$00  
\$4303: 04 07 NOP a07  
\$4305: 00 00 BRK # \$00  
\$4307: 00 00 BRK # \$00  
f430A =\*+\$01  
\$4309: 00 00 BRK # \$00  
\$430B: 00 00 BRK # \$00  
\$430D: 00 00 BRK # \$00  
\$430F: 00 00 f430F BRK # \$00  
\$4311: 00 00 BRK # \$00  
\$4313: 00 00 BRK # \$00  
\$4315: 00 00 BRK # \$00  
\$4317: 00 00 BRK # \$00  
\$4319: 00 00 BRK # \$00  
\$431B: 00 00 BRK # \$00  
\$431D: 00 00 BRK # \$00  
a4320 =\*+\$01

\$431F: 00 00 BRK # \$00  
\$4321: 00 00 BRK # \$00  
f4324 =\*+\$01  
\$4323: 00 00 BRK # \$00  
f4326 =\*+\$01  
\$4325: 00 00 f4325 BRK # \$00  
\$4327: 00 70 BRK # \$70  
\$4329: 71 72 ADC (p72),Y  
\$432B: 73 74 RRA (p74),Y  
\$432D: 75 76 ADC f76,X  
\$432F: 77 00 RRA f00,X  
f4332 =\*+\$01  
\$4331: 00 00 f4331 BRK # \$00  
\$4333: 00 00 f4333 BRK # \$00  
\$4335: 41 42 EOR (p42,X)  
\$4337: 43 44 SRE (p44,X)  
\$4339: 45 46 EOR a46  
\$433B: 47 48 SRE a48  
\$433D: 49 4A EOR # \$4A  
\$433F: 4B 4C ALR # \$4C  
\$4341: 4D 00 00 EOR e0000  
\$4344: 00 00 BRK # \$00  
\$4346: 00 00 f4346 BRK # \$00  
\$4348: 00 00 BRK # \$00  
\$434A: 00 00 BRK # \$00

\$434C: 00 1A f434C BRK # \$1A  
\$434E: 1B 1C 1D SLO f1D1C,Y  
\$4351: 1E 1F 00 ASL f001F,X  
\$4354: 00 28 BRK # \$28  
\$4356: 25 21 AND a21  
\$4358: 2C 34 28 BIT a2834  
\$435B: 00 00 BRK # \$00  
\$435D: 4E 4F 50 LSR a504F  
\$4360: 51 52 EOR (p52),Y  
\$4362: 53 54 SRE (p54),Y  
\$4364: 55 56 EOR f56,X  
\$4366: 57 58 SRE f58,X  
\$4368: 59 5A 00 EOR f005A,Y  
\$436B: 00 00 BRK # \$00  
\$436D: 00 00 BRK # \$00  
\$436F: 00 00 BRK # \$00  
\$4371: 00 00 BRK # \$00  
f4374 =\*+\$01  
\$4373: 00 00 BRK # \$00  
f4376 =\*+\$01  
\$4375: 10 10 f4375 BPL b4387  
f4378 =\*+\$01  
\$4377: 10 18 f4377 BPL b4391  
f437A =\*+\$01  
\$4379: 11 15 f4379 ORA (p15),Y

\$437B: 00 00 BRK # \$00  
f437E =\*+\$01  
\$437D: 00 11 BRK # \$11  
f4380 =\*+\$01  
\$437F: 17 14 f437F SLO f14,X  
\$4381: 19 00 00 f4381 ORA e0000,Y  
\$4384: 00 00 BRK # \$00  
b4387 =\*+\$01  
\$4386: 5B 00 00 SRE e0000,Y  
\$4389: 5C 5D 00 NOP f005D,X  
\$438C: 00 00 BRK # \$00  
\$438E: 00 5E BRK # \$5E  
b4391 =\*+\$01  
\$4390: 5F 00 00 SRE e0000,X  
\$4393: 00 00 BRK # \$00  
\$4395: 00 00 BRK # \$00  
\$4397: 00 00 BRK # \$00  
\$4399: 00 00 BRK # \$00  
f439C =\*+\$01  
\$439B: 00 00 BRK # \$00  
\$439D: 00 00 BRK # \$00  
\$439F: 00 00 BRK # \$00  
\$43A1: 00 00 BRK # \$00  
\$43A3: 00 00 BRK # \$00  
\$43A5: 00 00 BRK # \$00

\$43A7: 00 00	BRK # \$00
\$43A9: 00 00	BRK # \$00
\$43AB: 04 00	NOP a00
\$43AD: 00 30	BRK # \$30
\$43AF: 32	JAM
\$43B0: 25 33	AND a33
\$43B2: 33 00	RLA (p00),Y
\$43B4: 00 26	BRK # \$26
\$43B6: 29 32	AND # \$32
\$43B8: 25 00	AND a00
\$43BA: 00 00	BRK # \$00
\$43BC: 00 00	BRK # \$00
\$43BE: 00 00	BRK # \$00
\$43C0: 00 00	BRK # \$00
\$43C2: 00 00	BRK # \$00
\$43C4: 00 00	BRK # \$00
\$43C6: 00 00	BRK # \$00
\$43C8: 00 00	BRK # \$00
\$43CA: 00 00	BRK # \$00
\$43CC: 00 00	BRK # \$00
\$43CE: 00 00	BRK # \$00
\$43D0: 00 00	BRK # \$00
\$43D2: 00 00	BRK # \$00
\$43D4: 00 00	BRK # \$00
\$43D6: 00 00	BRK # \$00

\$43D8: 00 00 BRK #00  
\$43DA: 00 00 BRK #00  
\$43DC: 00 00 BRK #00  
\$43DE: 00 00 BRK #00  
\$43E0: 00 00 BRK #00  
\$43E2: 00 00 BRK #00  
\$43E4: 00 00 BRK #00  
\$43E6: 00 00 BRK #00  
\$43E8: 00 00 BRK #00  
\$43EA: 00 00 BRK #00  
\$43EC: 00 00 BRK #00  
\$43EE: 00 00 BRK #00  
\$43F0: 00 00 BRK #00  
\$43F2: 00 00 BRK #00  
\$43F4: 00 00 BRK #00  
\$43F6: 00 00 BRK #00

a43F9 =\*+01

\$43F8: A0 A0 a43F8 LDY #A0

a43FB =\*+01

\$43FA: A2 A2 a43FA LDX #A2

\$43FC: DA a43FC NOP

a43FE =\*+01

\$43FD: 00 C4 a43FD BRK #C4

f4400 =\*+01

\$43FF: A1 00 a43FF LDA (p00,X)



\$4401: 00 00	BRK # \$00
\$4403: 00 00	f4403 BRK # \$00
\$4405: 00 00	BRK # \$00
\$4407: 00 00	BRK # \$00
\$4409: 00 00	BRK # \$00
\$440B: 04 07	NOP a07
\$440D: 00 00	BRK # \$00
\$440F: 00 00	BRK # \$00
\$4411: 00 00	BRK # \$00
\$4413: 00 00	BRK # \$00
\$4415: 00 00	BRK # \$00
\$4417: 00 00	BRK # \$00
\$4419: 04 07	NOP a07
\$441B: 00 00	BRK # \$00
\$441D: 00 00	BRK # \$00
\$441F: 00 00	BRK # \$00
\$4421: 00 00	BRK # \$00
\$4423: 00 00	BRK # \$00
\$4425: 00 00	BRK # \$00
\$4427: 00 00	BRK # \$00
\$4429: 00 00	BRK # \$00
\$442B: 00 00	f442B BRK # \$00
\$442D: 00 00	BRK # \$00
\$442F: 00 00	BRK # \$00
\$4431: 00 00	BRK # \$00

\$4433: 04 07	NOP a07
\$4435: 00 00	BRK # \$00
\$4437: 00 00	BRK # \$00
\$4439: 00 00	BRK # \$00
\$443B: 00 00	BRK # \$00
\$443D: 00 00	BRK # \$00
\$443F: 00 00	BRK # \$00
\$4441: 04 07	NOP a07
\$4443: 00 00	BRK # \$00
\$4445: 00 00	BRK # \$00
a4448 =*+\$01	
\$4447: 00 00	BRK # \$00
\$4449: 00 00	BRK # \$00
\$444B: 00 00	BRK # \$00
\$444D: 00 00	BRK # \$00
\$444F: 00 00	BRK # \$00
\$4451: 00 00	BRK # \$00
\$4453: 00 00	f4453 BRK # \$00
\$4455: 00 00	BRK # \$00
\$4457: 00 00	BRK # \$00
\$4459: 00 00	BRK # \$00
\$445B: 04 07	NOP a07
\$445D: 00 00	BRK # \$00
\$445F: 00 00	BRK # \$00
\$4461: 00 00	BRK # \$00

\$4463: 00 00	BRK # \$00
\$4465: 00 00	BRK # \$00
\$4467: 00 00	BRK # \$00
\$4469: 04 07	NOP a07
\$446B: 00 00	BRK # \$00
\$446D: 00 00	BRK # \$00
\$446F: 00 00	BRK # \$00
\$4471: 00 00	BRK # \$00
\$4473: 00 00	BRK # \$00
\$4475: 00 00	BRK # \$00
\$4477: 00 00	BRK # \$00
\$4479: 00 00	BRK # \$00
\$447B: 00 00	f447B BRK # \$00
\$447D: 00 00	BRK # \$00
\$447F: 00 00	BRK # \$00
\$4481: 00 00	BRK # \$00
\$4483: 04 07	NOP a07
\$4485: 00 00	BRK # \$00
\$4487: 00 00	BRK # \$00
\$4489: 00 00	BRK # \$00
\$448B: 00 00	BRK # \$00
\$448D: 00 00	BRK # \$00
\$448F: 00 00	BRK # \$00
\$4491: 04 07	NOP a07
\$4493: 00 00	BRK # \$00

\$4495: 00 00	BRK # \$00
\$4497: 00 00	BRK # \$00
\$4499: 00 00	BRK # \$00
\$449B: 00 00	BRK # \$00
\$449D: 00 00	BRK # \$00
\$449F: 00 00	BRK # \$00
\$44A1: 00 00	BRK # \$00
\$44A3: 00 00	f44A3 BRK # \$00
\$44A5: 00 00	BRK # \$00
\$44A7: 00 00	BRK # \$00
\$44A9: 00 00	BRK # \$00
\$44AB: 04 07	NOP a07
\$44AD: 00 00	BRK # \$00
\$44AF: 00 00	BRK # \$00
\$44B1: 00 00	BRK # \$00
\$44B3: 00 00	BRK # \$00
\$44B5: 00 00	BRK # \$00
\$44B7: 00 00	BRK # \$00
\$44B9: 04 07	NOP a07
\$44BB: 00 00	BRK # \$00
\$44BD: 00 00	BRK # \$00
\$44BF: 00 00	BRK # \$00
\$44C1: 00 00	BRK # \$00
\$44C3: 00 00	BRK # \$00
\$44C5: 00 00	BRK # \$00

\$44C7: 00 00	BRK # \$00
\$44C9: 00 00	BRK # \$00
\$44CB: 00 00	f44CB BRK # \$00
\$44CD: 00 00	BRK # \$00
\$44CF: 00 00	BRK # \$00
\$44D1: 00 00	BRK # \$00
\$44D3: 04 07	NOP a07
\$44D5: 00 00	BRK # \$00
\$44D7: 00 00	BRK # \$00
\$44D9: 00 00	BRK # \$00
\$44DB: 00 00	BRK # \$00
\$44DD: 00 00	BRK # \$00
\$44DF: 00 00	BRK # \$00
\$44E1: 04 07	NOP a07
\$44E3: 00 00	BRK # \$00
\$44E5: 00 00	BRK # \$00
\$44E7: 00 00	BRK # \$00
\$44E9: 00 00	BRK # \$00
\$44EB: 00 00	BRK # \$00
\$44ED: 00 00	BRK # \$00
\$44EF: 00 00	BRK # \$00
\$44F1: 00 00	BRK # \$00
\$44F3: 00 00	f44F3 BRK # \$00
\$44F5: 00 00	BRK # \$00
\$44F7: 00 00	BRK # \$00

\$44F9: 00 00 BRK # \$00

\$44FB: 04 07 NOP a07

\$44FD: 00 00 BRK # \$00

f4500 =\*+ \$01

\$44FF: 00 00 BRK # \$00

\$4501: 00 00 BRK # \$00

\$4503: 00 00 BRK # \$00

\$4505: 00 00 BRK # \$00

\$4507: 00 00 BRK # \$00

\$4509: 04 07 NOP a07

\$450B: 00 00 BRK # \$00

\$450D: 00 00 BRK # \$00

\$450F: 00 00 BRK # \$00

\$4511: 00 00 BRK # \$00

\$4513: 00 00 BRK # \$00

\$4515: 00 00 BRK # \$00

\$4517: 00 00 BRK # \$00

\$4519: 00 00 BRK # \$00

\$451B: 00 00 f451B BRK # \$00

\$451D: 00 00 BRK # \$00

\$451F: 00 00 BRK # \$00

\$4521: 00 00 BRK # \$00

a4524 =\*+ \$01

\$4523: 04 07 NOP a07

\$4525: 00 00 BRK # \$00

\$4527: 00 00 BRK # \$00  
\$4529: 00 00 BRK # \$00  
\$452B: 00 00 BRK # \$00  
\$452D: 00 00 BRK # \$00  
\$452F: 00 00 BRK # \$00  
\$4531: 04 07 NOP a07  
\$4533: 00 00 BRK # \$00  
\$4535: 00 00 BRK # \$00  
\$4537: 00 00 BRK # \$00  
\$4539: 00 00 BRK # \$00  
\$453B: 00 00 BRK # \$00  
\$453D: 00 00 BRK # \$00  
\$453F: 00 00 BRK # \$00  
\$4541: 00 00 BRK # \$00  
\$4543: 00 00 f4543 BRK # \$00  
\$4545: 00 00 BRK # \$00  
s4548 =\*+\$01  
\$4547: 00 00 a4547 BRK # \$00  
\$4549: 00 00 BRK # \$00  
\$454B: 04 07 NOP a07  
a454E =\*+\$01  
\$454D: 00 00 a454D BRK # \$00  
\$454F: 00 00 BRK # \$00  
\$4551: 00 00 BRK # \$00  
\$4553: 00 00 BRK # \$00

\$4555: 00 00	BRK # \$00
\$4557: 00 00	BRK # \$00
\$4559: 04 07	NOP a07
\$455B: 00 00	BRK # \$00
\$455D: 00 00	BRK # \$00
\$455F: 00 00	BRK # \$00
\$4561: 00 00	BRK # \$00
\$4563: 00 00	BRK # \$00
\$4565: 00 00	BRK # \$00
\$4567: 00 00	BRK # \$00
\$4569: 00 00	BRK # \$00
\$456B: 00 00	f456B BRK # \$00
\$456D: 00 00	BRK # \$00
\$456F: 00 00	BRK # \$00
\$4571: 00 00	BRK # \$00
\$4573: 04 07	NOP a07
\$4575: 00 00	BRK # \$00
\$4577: 00 00	BRK # \$00
\$4579: 00 00	BRK # \$00
\$457B: 00 00	BRK # \$00
\$457D: 00 00	BRK # \$00
\$457F: 00 00	BRK # \$00
\$4581: 04 07	NOP a07
\$4583: 00 00	BRK # \$00
\$4585: 00 00	BRK # \$00



\$4587: 00 00	BRK # \$00
\$4589: 00 00	BRK # \$00
\$458B: 00 00	BRK # \$00
\$458D: 00 00	BRK # \$00
\$458F: 00 00	BRK # \$00
\$4591: 00 00	BRK # \$00
\$4593: 00 00	f4593 BRK # \$00
\$4595: 00 00	BRK # \$00
\$4597: 00 00	BRK # \$00
\$4599: 00 00	BRK # \$00
\$459B: 04 07	NOP a07
\$459D: 00 00	BRK # \$00
\$459F: 00 00	BRK # \$00
\$45A1: 5B 5B 00	SRE f005B,Y
\$45A4: 00 00	BRK # \$00
\$45A6: 00 00	BRK # \$00
\$45A8: 00 04	BRK # \$04
\$45AA: 07 00	SLO a00
\$45AC: 00 00	BRK # \$00
\$45AE: 00 00	BRK # \$00
\$45B0: 00 00	BRK # \$00
\$45B2: 00 00	BRK # \$00
\$45B4: 00 00	BRK # \$00
\$45B6: 00 00	BRK # \$00
\$45B8: 00 00	BRK # \$00

f45BB =\*+\$01

\$45BA: 00 00	BRK # \$00
\$45BC: 00 00	BRK # \$00
\$45BE: 00 00	BRK # \$00
\$45C0: 00 00	BRK # \$00
\$45C2: 00 04	BRK # \$04
\$45C4: 07 00	SLO a00
\$45C6: 00 00	BRK # \$00
\$45C8: 00 5B	BRK # \$5B
\$45CA: 5B 00 00	SRE e0000,Y
\$45CD: 00 00	BRK # \$00
\$45CF: 00 00	BRK # \$00
\$45D1: 0A	ASL
\$45D2: 0C 00 00	NOP e0000
\$45D5: 00 00	BRK # \$00
\$45D7: 00 00	BRK # \$00
\$45D9: 00 00	BRK # \$00
\$45DB: 00 00	BRK # \$00
\$45DD: 00 00	BRK # \$00
\$45DF: 00 00	BRK # \$00
\$45E1: 00 00	BRK # \$00
\$45E3: 00 00	f45E3 BRK # \$00
\$45E5: 00 00	BRK # \$00
\$45E7: 00 00	BRK # \$00
\$45E9: 00 00	BRK # \$00

\$45EB: 04 07	NOP a07
\$45ED: 00 00	BRK # \$00
\$45EF: 00 00	BRK # \$00
\$45F1: 00 00	BRK # \$00
\$45F3: 00 00	BRK # \$00
\$45F5: 00 00	BRK # \$00
\$45F7: 00 00	BRK # \$00
\$45F9: 00 00	BRK # \$00
\$45FB: 00 00	BRK # \$00
\$45FD: 00 00	BRK # \$00

f4600 =\*+\$01

\$45FF: 00 00	BRK # \$00
\$4601: 00 00	BRK # \$00
\$4603: 00 00	BRK # \$00
\$4605: 00 00	BRK # \$00
\$4607: 00 00	BRK # \$00
\$4609: 00 00	BRK # \$00
\$460B: 00 00	f460B BRK # \$00
\$460D: 00 00	BRK # \$00
\$460F: 00 00	BRK # \$00
\$4611: 00 00	BRK # \$00
\$4613: 04 07	NOP a07
\$4615: 00 00	BRK # \$00
\$4617: 00 00	BRK # \$00
\$4619: 00 00	BRK # \$00

\$461B: 00 00	BRK # \$00
\$461D: 00 00	BRK # \$00
\$461F: 00 00	BRK # \$00
\$4621: 00 00	BRK # \$00
\$4623: 00 00	BRK # \$00
\$4625: 00 00	BRK # \$00
\$4627: 00 00	BRK # \$00
\$4629: 00 00	BRK # \$00
\$462B: 00 00	BRK # \$00
\$462D: 00 00	BRK # \$00
\$462F: 00 00	BRK # \$00
\$4631: 00 00	BRK # \$00
\$4633: 00 00	f4633 BRK # \$00
\$4635: 00 00	BRK # \$00
\$4637: 00 00	BRK # \$00
\$4639: 00 00	BRK # \$00
\$463B: 04 07	NOP a07
\$463D: 00 00	BRK # \$00
\$463F: 00 00	BRK # \$00
\$4641: 00 00	BRK # \$00
\$4643: 00 00	BRK # \$00
\$4645: 00 00	BRK # \$00
\$4647: 00 00	BRK # \$00
\$4649: 00 00	BRK # \$00
\$464B: 00 00	BRK # \$00

\$464D: 00 00	BRK # \$00
\$464F: 00 00	BRK # \$00
\$4651: 00 00	BRK # \$00
\$4653: 00 00	BRK # \$00
\$4655: 00 00	BRK # \$00
\$4657: 00 00	BRK # \$00
\$4659: 00 00	BRK # \$00
\$465B: 00 00	f465B BRK # \$00
\$465D: 00 00	BRK # \$00
\$465F: 00 00	BRK # \$00
\$4661: 00 00	BRK # \$00
\$4663: 04 07	NOP a07
\$4665: 00 00	BRK # \$00
\$4667: 00 00	BRK # \$00
\$4669: 00 00	BRK # \$00
\$466B: 00 00	BRK # \$00
\$466D: 00 00	BRK # \$00
\$466F: 00 00	BRK # \$00
\$4671: 00 00	BRK # \$00
\$4673: 00 00	BRK # \$00
\$4675: 00 00	BRK # \$00
\$4677: 00 00	BRK # \$00
\$4679: 00 00	BRK # \$00
\$467B: 00 00	BRK # \$00
\$467D: 00 00	BRK # \$00

\$467F: 00 00	BRK # \$00
\$4681: 00 00	BRK # \$00
\$4683: 00 00	f4683 BRK # \$00
\$4685: 00 00	BRK # \$00
\$4687: 00 00	BRK # \$00
\$4689: 00 00	BRK # \$00
\$468B: 04 07	NOP a07
\$468D: 00 00	BRK # \$00
\$468F: 00 00	BRK # \$00
\$4691: 00 00	BRK # \$00
\$4693: 00 00	BRK # \$00
\$4695: 00 00	BRK # \$00
\$4697: 00 00	BRK # \$00
\$4699: 00 00	BRK # \$00
\$469B: 00 00	BRK # \$00
\$469D: 00 00	BRK # \$00
\$469F: 00 00	BRK # \$00
\$46A1: 00 00	BRK # \$00
\$46A3: 00 00	BRK # \$00
\$46A5: 00 00	BRK # \$00
\$46A7: 00 00	BRK # \$00
\$46A9: 00 00	BRK # \$00
\$46AB: 00 00	f46AB BRK # \$00
\$46AD: 00 00	BRK # \$00
\$46AF: 00 00	BRK # \$00

\$46B1: 00 00	BRK # \$00
\$46B3: 04 07	NOP a07
\$46B5: 00 00	BRK # \$00
\$46B7: 00 00	BRK # \$00
\$46B9: 00 00	BRK # \$00
\$46BB: 00 00	BRK # \$00
\$46BD: 00 00	BRK # \$00
\$46BF: 00 00	BRK # \$00
\$46C1: 00 00	BRK # \$00
\$46C3: 00 00	BRK # \$00
\$46C5: 00 00	BRK # \$00
\$46C7: 00 00	BRK # \$00
\$46C9: 00 00	BRK # \$00
\$46CB: 00 00	BRK # \$00
\$46CD: 00 00	BRK # \$00
\$46CF: 00 00	BRK # \$00
\$46D1: 00 00	BRK # \$00
\$46D3: 00 00	f46D3 BRK # \$00
\$46D5: 00 00	BRK # \$00
\$46D7: 00 00	BRK # \$00
\$46D9: 00 00	BRK # \$00
\$46DB: 04 07	NOP a07
\$46DD: 00 00	BRK # \$00
\$46DF: 00 00	BRK # \$00
\$46E1: 00 00	BRK # \$00

\$46E3: 00 00	BRK # \$00
\$46E5: 00 00	BRK # \$00
\$46E7: 00 00	BRK # \$00
\$46E9: 00 00	BRK # \$00
\$46EB: 00 00	BRK # \$00
\$46ED: 00 00	BRK # \$00
\$46EF: 00 00	BRK # \$00
\$46F1: 00 00	BRK # \$00
\$46F3: 00 00	BRK # \$00
\$46F5: 00 00	BRK # \$00
\$46F7: 00 00	BRK # \$00
\$46F9: 00 00	BRK # \$00
\$46FB: 00 00	f46FB BRK # \$00
\$46FD: 00 00	BRK # \$00
f4700 = * + \$01	
\$46FF: 00 00	BRK # \$00
\$4701: 00 00	BRK # \$00
f4704 = * + \$01	
\$4703: 04 07	NOP a07
\$4705: 00 00	BRK # \$00
\$4707: 00 00	BRK # \$00
\$4709: 00 00	BRK # \$00
\$470B: 00 00	BRK # \$00
\$470D: 00 00	BRK # \$00
\$470F: 00 00	BRK # \$00



\$4711: 00 00	BRK #	\$00
\$4713: 00 00	BRK #	\$00
\$4715: 00 00	BRK #	\$00
\$4717: 00 00	BRK #	\$00
\$4719: 00 00	BRK #	\$00
\$471B: 00 00	BRK #	\$00
\$471D: 00 00	BRK #	\$00
\$471F: 00 00	BRK #	\$00
\$4721: 00 00	BRK #	\$00
\$4723: 00 00	BRK #	\$00
\$4725: 00 00	BRK #	\$00
\$4727: 00 00	BRK #	\$00
\$4729: 00 00	BRK #	\$00
\$472B: 00 00	BRK #	\$00
\$472D: 00 00	BRK #	\$00
\$472F: 00 00	BRK #	\$00
\$4731: 00 00	BRK #	\$00
\$4733: 00 00	f4733 BRK #	\$00
\$4735: 00 00	BRK #	\$00
\$4737: 00 00	BRK #	\$00
\$4739: 00 00	BRK #	\$00
\$473B: 00 00	BRK #	\$00
\$473D: 00 00	BRK #	\$00
\$473F: 00 00	BRK #	\$00
\$4741: 00 00	a4741 BRK #	\$00

\$4743: 00 00	BRK # \$00
\$4745: 00 00	BRK # \$00
\$4747: 00 00	BRK # \$00
\$4749: 00 00	BRK # \$00
\$474B: 00 00	BRK # \$00
\$474D: 00 00	BRK # \$00
\$474F: 00 00	BRK # \$00
\$4751: 00 00	BRK # \$00
\$4753: 00 00	BRK # \$00
\$4755: 00 00	a4755 BRK # \$00
\$4757: 00 00	BRK # \$00
\$4759: 00 00	BRK # \$00
\$475B: 00 00	BRK # \$00
\$475D: 00 00	BRK # \$00
\$475F: 00 00	BRK # \$00
\$4761: 00 00	BRK # \$00
\$4763: 00 00	BRK # \$00
\$4765: 00 00	BRK # \$00
\$4767: 00 00	BRK # \$00
\$4769: 00 00	BRK # \$00
\$476B: 00 00	BRK # \$00
\$476D: 00 00	BRK # \$00
\$476F: 00 00	BRK # \$00
\$4771: 00 00	BRK # \$00
\$4773: 00 00	BRK # \$00

\$4775: 00 00	BRK # \$00
\$4777: 00 00	BRK # \$00
\$4779: 00 00	BRK # \$00
\$477B: 00 00	BRK # \$00
\$477D: 00 00	BRK # \$00
\$477F: 00 00	BRK # \$00
\$4781: 00 00	BRK # \$00
\$4783: 00 00	BRK # \$00
\$4785: 00 00	BRK # \$00
\$4787: 00 00	BRK # \$00
\$4789: 00 00	BRK # \$00
\$478B: 00 00	BRK # \$00
\$478D: 00 00	BRK # \$00
\$478F: 00 00	BRK # \$00
\$4791: 00 00	BRK # \$00
\$4793: 00 00	BRK # \$00
\$4795: 00 00	BRK # \$00
\$4797: 00 00	BRK # \$00
\$4799: 00 00	BRK # \$00
\$479B: 00 00	BRK # \$00
\$479D: 00 00	BRK # \$00
\$479F: 00 00	BRK # \$00
\$47A1: 00 00	BRK # \$00
\$47A3: 00 00	BRK # \$00
\$47A5: 00 00	BRK # \$00

\$47A7: 00 00	BRK # \$00
\$47A9: 00 00	BRK # \$00
\$47AB: 00 00	BRK # \$00
\$47AD: 00 00	BRK # \$00
\$47AF: 00 00	BRK # \$00
\$47B1: 00 00	BRK # \$00
\$47B3: 00 00	BRK # \$00
\$47B5: 00 00	BRK # \$00
\$47B7: 00 00	BRK # \$00
\$47B9: 00 00	BRK # \$00
\$47BB: 00 00	BRK # \$00
\$47BD: 00 00	BRK # \$00
\$47BF: 00 00	BRK # \$00
\$47C1: 00 00	BRK # \$00
\$47C3: 00 00	BRK # \$00
\$47C5: 00 00	BRK # \$00
\$47C7: 00 00	BRK # \$00
\$47C9: 00 00	BRK # \$00
\$47CB: 00 00	BRK # \$00
\$47CD: 00 00	BRK # \$00
\$47CF: 00 00	BRK # \$00
\$47D1: 00 00	BRK # \$00
\$47D3: 00 00	BRK # \$00
\$47D5: 00 00	BRK # \$00
\$47D7: 00 00	BRK # \$00

\$47D9: 00 00 BRK # \$00  
\$47DB: 00 00 BRK # \$00  
\$47DD: 00 00 BRK # \$00  
\$47DF: 00 00 BRK # \$00  
\$47E1: 00 00 BRK # \$00  
\$47E3: 00 00 BRK # \$00  
\$47E5: 00 00 BRK # \$00  
\$47E7: 00 00 BRK # \$00  
\$47E9: 00 00 BRK # \$00  
\$47EB: 00 00 BRK # \$00  
\$47ED: 00 00 BRK # \$00  
\$47EF: 00 00 BRK # \$00  
\$47F1: 00 00 BRK # \$00  
\$47F3: 00 00 BRK # \$00  
\$47F5: 00 00 BRK # \$00

a47F8 =\*+\$01

\$47F7: 00 A0 BRK # \$A0

f47FA =\*+\$01

\$47F9: A0 A2 a47F9 LDY # \$A2

\$47FB: A2 DA LDX # \$DA

f47FE =\*+\$01

\$47FD: 00 C4 BRK # \$C4

\$47FF: 00 55 BRK # \$55

\$4801: 55 55 EOR f55,X

\$4803: 55 55 EOR f55,X

\$4805: 55 55 EOR f55,X  
f4808 =\*+\$01  
\$4807: 55 FF EOR fFF,X  
\$4809: FE FE FF INC fFFFE,X ;IRQ  
\$480C: FE FE FE a480C INC fFEFE,X  
\$480F: FF FF BA ISC fBAFF,X  
\$4812: EE AB EE INC aEEAB  
\$4815: BA TSX  
\$4816: EE AB FF INC ROM\_UNTLK  
\$4819: BB EF A8 LAS fA8EF,Y  
\$481C: EF BB EF ISC aEFBB  
\$481F: A8 TAY  
\$4820: FE FE FE INC fFEFE,X  
\$4823: FF FE FE ISC fFEFE,X  
\$4826: FE FF EE INC fEEFF,X  
\$4829: BB EF A8 LAS fA8EF,Y  
\$482C: EF BB EF ISC aEFBB  
\$482F: A8 TAY  
\$4830: EE FE FE INC fFEFE  
\$4833: FF FE FE ISC fFEFE,X  
\$4836: FE FF EF INC fEFFF,X  
\$4839: BB EF A8 LAS fA8EF,Y  
\$483C: EF BB EF ISC aEFBB  
\$483F: A8 TAY  
\$4840: EF BA EE ISC aEEBA

f4844 =\*+\$01

\$4843: AB EE LAX #EE  
\$4845: BA TSX  
\$4846: EE AB FE b4846 INC aFEAB  
\$4849: BA TSX  
\$484A: EE AB EE INC aEEAB  
\$484D: BA TSX  
\$484E: EE AB FE INC aFEAB  
\$4851: FF F3 FC ISC fFCF3,X  
\$4854: F3 CF a4854 ISC (pCF),Y  
\$4856: 33 FC RLA (pFC),Y  
\$4858: EE CF 33 INC a33CF  
\$485B: FC 33 CF NOP fCF33,X  
\$485E: 33 FC RLA (pFC),Y  
\$4860: EF CF 33 ISC a33CF  
\$4863: FC 33 CF NOP fCF33,X  
\$4866: 33 FC RLA (pFC),Y  
\$4868: 55 55 EOR f55,X  
\$486A: 55 40 EOR f40,X  
\$486C: BF CC CC LAX fCCCC,Y  
\$486F: DD 55 51 CMP f5155,X  
\$4872: 5C 33 F3 NOP ROM\_CLRCHNj,X  
\$4875: 73 4C RRA (p4C),Y  
\$4877: 50 57 BVC b48D0  
\$4879: 5F 6F 73 SRE f736F,X

\$487C: 74 56	NOP f56,X
\$487E: 57 55	SRE f55,X
\$4880: CC 3C 30	CPY a303C
\$4883: 70 C1	BVS b4846
\$4885: C5 15	CMP a15
\$4887: 55 EB	EOR fEB,X
\$4889: AA	TAX
\$488A: 88	DEY
\$488B: A2 FB	LDX #FB
\$488D: 6B 7C	ARR #7C
\$488F: 42	JAM
\$4890: 41 68	EOR (p68,X)
\$4892: DE 6D 9A	DEC f9A6D,X
\$4895: E5 6A	SBC a6A
\$4897: F7 2F	ISC f2F,X
\$4899: AB 8B	LAX #8B
\$489B: AA	TAX
\$489C: E3 EB	ISC (pEB,X)
\$489E: BC E6 BB	LDY fBBE6,X
\$48A1: B5 E1	LDA fE1,X
\$48A3: 2C 3A 3A	BIT a3A3A
\$48A6: B9 D9 40	LDA f40D9,Y
\$48A9: BF BF EF	LAX fEFBF,Y
\$48AC: CO 8A	CPY #8A
\$48AE: AA	TAX



\$48AF: FE 00 F8	INC fF800,X
\$48B2: F8	SED
\$48B3: EC 30 C8	CPX aC830
\$48B6: A8	TAY
\$48B7: CC FA FA	CPY aFAFA
\$48BA: FA	NOP
\$48BB: FF EF BF	ISC fBF EF,X
\$48BE: BF 70 8C	LAX f8C70,Y
\$48C1: 8C BC FC	STY aFCBC
\$48C4: EC F8 F8	CPX aF8F8
\$48C7: 03 55	SLO (p55,X)
\$48C9: 50 7F	BVC b494A
\$48CB: FF FE 40	ISC f40FE,X
\$48CE: 71 76	ADC (p76),Y
\$48D0: 55 01	b48D0 EOR f01,X
\$48D2: F0 FC	BEQ b48D0
\$48D4: FD 01 F1	SBC fF101,X
\$48D7: 71 71	ADC (p71),Y
\$48D9: 7D 72 7F	ADC f7F72,X
\$48DC: 7F 65 59	RRA f5965,X
\$48DF: 55 B1	EOR fB1,X
\$48E1: 71 31	ADC (p31),Y
\$48E3: F1 F5	SBC (pF5),Y
\$48E5: 95 59	STA f59,X
\$48E7: 55 00	EOR f00,X

\$48E9: 77 25	RRA f25,X
\$48EB: 25 25	AND a25
\$48ED: 25 27	AND a27
\$48EF: 00 00	BRK #00
\$48F1: 0C 1C 3C	NOP a3C1C
\$48F4: 6C 7E 0C	JMP (p0C7E)
\$48F7: 00 00	BRK #00
\$48F9: 3C 66 3C	NOP f3C66,X
\$48FC: 66 66	ROR a66
\$48FE: 3C 00 00	NOP e0000,X
\$4901: 74 42	NOP f42,X
\$4903: 61 42	ADC (p42,X)
\$4905: 44 74	NOP a74
\$4907: 00 00	BRK #00
\$4909: 57 92	SRE f92,X
\$490B: 12	JAM
\$490C: 92	JAM
\$490D: 52	JAM
\$490E: 52	JAM
\$490F: 00 55	BRK #55
\$4911: 56 57	LSR f57,X
\$4913: 7F 77 7F	RRA f7F77,X
\$4916: 7B 7B 55	RRA f557B,Y
\$4919: 55 55	EOR f55,X

\$491B: 51 51	EOR (p51),Y
\$491D: C1 F0	CMP (pF0,X)
\$491F: F0 73	BEQ b4994
\$4921: 7C 73 7F	NOP f7F73,X
\$4924: 7F 7F 5F	RRA f5F7F,X
\$4927: 55 30	EOR f30,X
\$4929: F1 31	SBC (p31),Y
\$492B: F1 F5	SBC (pF5),Y
\$492D: F5 D5	SBC fD5,X
\$492F: 55 55	EOR f55,X
\$4931: 51 4C	EOR (p4C),Y
\$4933: 3C 3F 4F	NOP f4F3F,X
\$4936: 5F 5F 55	SRE f555F,X
\$4939: 55 55	EOR f55,X
\$493B: 15 05	ORA f05,X
\$493D: C1 E0	CMP (pE0,X)
\$493F: E6 5F	INC a5F
\$4941: 5F 57 57	SRE f5757,X
\$4944: 91 64	STA (p64),Y
\$4946: 59 56 AA	EOR fAA56,Y
b494A =*+\$01	
\$4949: A6 A6	LDX aA6
\$494B: 96 53	STX f53,Y
s494E =*+\$01	
\$494D: 07 17	SLO a17

\$494F: 17 5B SLO f5B,X  
\$4951: 5D 5F 5F EOR f5F5F,X  
\$4954: 5F 5F 7F a4954 SRE f7F5F,X  
\$4957: 6F 55 55 RRA a5555  
b495B =\*+\$01  
\$495A: 55 55 EOR f55,X  
b495D =\*+\$01  
\$495C: 55 55 EOR f55,X  
\$495E: D4 F0 NOP fF0,X  
\$4960: FB FF FF ISC fFFFF,Y ;IRQ  
\$4963: FF FF FF ISC fFFFF,X ;IRQ  
\$4966: 7F 5F F0 RRA fF05F,X  
\$4969: F0 F0 BEQ b495B  
\$496B: F0 F0 BEQ b495D  
\$496D: F1 C5 SBC (pC5),Y  
f4970 =\*+\$01  
\$496F: 55 7E EOR f7E,X  
\$4971: 79 79 79 ADC f7979,Y  
\$4974: 7E 5F 57 ROR f575F,X  
\$4977: 55 BC EOR fBC,X  
\$4979: 6C 6C 6C JMP (p6C6C)  
\$497C: BC F1 D5 LDY fD5F1,X  
\$497F: 55 55 EOR f55,X  
\$4981: 55 57 EOR f57,X

\$4983: 57 5C	SRE f5C,X
\$4985: 5C 5C 5C	NOP f5C5C,X
\$4988: 55 55	EOR f55,X
\$498A: C5 31	CMP a31
\$498C: 5D 5C 57	EOR f575C,X
\$498F: 57 5C	SRE f5C,X
\$4991: FB AA 8B	ISC f8BAA,Y
\$4994: A3 8B	b4994 LAX (p8B,X)
\$4996: ED 55 47	SBC a4755
\$4999: 5D F1 15	EOR f15F1,X
\$499C: 15 55	ORA f55,X
\$499E: 55 55	EOR f55,X
\$49A0: 7F BF BE	RRA fBEBF,X
\$49A3: EE EE FE	INC aFEFE
\$49A6: FE EA F5	INC fF5EA,X
\$49A9: F9 F9 ED	SBC fEDF9,Y
\$49AC: ED FD FD	SBC aFDFD
\$49AF: AD EA FE	LDA aFEFA
\$49B2: FE EE EE	INC fEEEE,X
\$49B5: BE BF 7F	LDX f7FBF,Y
\$49B8: AD FD FD	LDA aFDFD
\$49BB: ED ED F9	SBC aF9ED
\$49BE: F9 F5 55	SBC f55F5,Y
\$49C1: 55 55	EOR f55,X
\$49C3: 55 57	EOR f57,X

\$49C5: 75 55	ADC f55,X
\$49C7: 75 55	ADC f55,X
\$49C9: 55 55	EOR f55,X
\$49CB: 55 75	EOR f75,X
\$49CD: 55 5D	EOR f5D,X
\$49CF: D5 57	CMP f57,X
\$49D1: 75 55	ADC f55,X
\$49D3: 5D 55 55	EOR a5555,X
\$49D6: 55 55	EOR f55,X
\$49D8: 5D 55 5D	EOR f5D55,X
\$49DB: D5 55	CMP f55,X
\$49DD: 55 55	EOR f55,X
\$49DF: 55 55	EOR f55,X
\$49E1: 55 55	EOR f55,X
\$49E3: 00 EF	BRK #5EF
\$49E5: EF EA EF	ISC aEFEA
\$49E8: 55 55	EOR f55,X
\$49EA: 55 00	EOR f00,X
\$49EC: FF FF AA	ISC fAAFF,X
\$49EF: FF BF BF	ISC fBFBF,X
\$49F2: BF 55 55	LAX a5555,Y
\$49F5: 55 55	EOR f55,X
\$49F7: 55 FF	EOR fFF,X
\$49F9: FF FF 55	ISC f55FF,X
\$49FC: 55 55	EOR f55,X

\$49FE: 55 55	EOR f55,X
\$4A00: 7F FF FE	RRA fFEFF,X
\$4A03: FE FE FE	INC fFEFE,X
\$4A06: FE FE 20	f4A06 INC f20FE,X
\$4A09: EF AB AB	ISC aABAB
\$4A0C: EB AF	SBC # \$AF
\$4A0E: AB AB	LAX # \$AB
\$4A10: FF FF FF	ISC fFFFF,X ;IRQ
\$4A13: FF FF FF	ISC fFFFF,X ;IRQ
\$4A16: FF 7F AF	ISC fAF7F,X
\$4A19: FF FF FF	ISC fFFFF,X ;IRQ
\$4A1C: FF FF FF	ISC fFFFF,X ;IRQ
\$4A1F: FD 7F FF	SBC fFF7F,X
\$4A22: FE FE FE	INC fFEFE,X
\$4A25: 7E FF FE	ROR fFEFF,X
\$4A28: FD AF EF	SBC fEFAF,X
\$4A2B: AB BB	LAX # \$BB
\$4A2D: AF AB AF	LAX aAFAB
\$4A30: FF FF FF	ISC fFFFF,X ;IRQ
\$4A33: 7F FF F7	RRA ff7FF,X
\$4A36: DF 77 BF	DCP fBF77,X
\$4A39: FF FF FF	ISC fFFFF,X ;IRQ
\$4A3C: FF FD DF	ISC fDFFD,X
\$4A3F: F5 7D	SBC f7D,X
\$4A41: FF FE 7F	ISC f7FFE,X

\$4A44: 7F FF 7F	RRA f7FFF,X
\$4A47: FF FD BF	ISC fBFFD,X
\$4A4A: AF AF EF	LAX fEFAF
\$4A4D: BD AF BB	LDA fBBAF,X
\$4A50: 7F 5F 7F	RRA f7F5F,X
\$4A53: DD 7F F7	CMP ff77F,X
\$4A56: DF 77 EF	DCP fEF77,X
\$4A59: FF FF FD	ISC fFDFF,X
\$4A5C: FD 5F F7	SBC ff75F,X
\$4A5F: 55 B5	EOR fB5,X
\$4A61: B5 B5	LDA fB5,X
\$4A63: B5 B5	LDA fB5,X
\$4A65: B5 A5	LDA fA5,X
\$4A67: F5 5F	SBC f5F,X
\$4A69: 5F 5F 5F	SRE f5F5F,X
\$4A6C: 5F 5F 5F	SRE f5F5F,X
\$4A6F: 5F B5 B5	SRE fB5B5,X
\$4A72: B5 B5	LDA fB5,X
\$4A74: B5 B5	LDA fB5,X
\$4A76: B5 B5	LDA fB5,X
\$4A78: 5F 5F 5F	SRE f5F5F,X
\$4A7B: 5F 5F 5F	SRE f5F5F,X
\$4A7E: 5F 5A 55	SRE f555A,X
\$4A81: 56 57	LSR f57,X
\$4A83: 5F 77 7F	SRE f7F77,X



b4A88 =\*+\$02

\$4A86: 7F 7F 55 RRA f557F,X  
\$4A89: 55 55 EOR f55,X  
\$4A8B: 51 51 EOR (p51),Y  
\$4A8D: C1 F0 CMP (pF0,X)  
\$4A8F: F0 21 BEQ b4AB2  
\$4A91: 21 A1 AND (pA1,X)  
\$4A93: AC 78 5B LDY a5B78  
\$4A96: 5E 42 55 LSR f5542,X  
\$4A99: B4 BA LDY fBA,X  
\$4A9B: EA NOP  
\$4A9C: 63 68 RRA (p68,X)  
\$4A9E: 7E 5A 55 ROR f555A,X  
\$4AA1: 14 C3 NOP fC3,X  
\$4AA3: BE 33 B1 LDX fB133,Y  
\$4AA6: F1 CE SBC (pCE),Y  
\$4AA8: 7A NOP  
\$4AA9: EC A7 BB CPX aBBA7  
\$4AAC: DD 55 55 CMP a5555,X  
\$4AAF: 55 F1 EOR ff1,X

b4AB2 =\*+\$01

\$4AB1: 21 EC AND (pEC,X)  
\$4AB3: 78 SEI  
\$4AB4: 59 5D 55 EOR f555D,Y  
\$4AB7: 55 40 EOR f40,X

\$4AB9: BF BF EF	LAX fEFBF,Y
\$4ABC: F0 CA	BEQ b4A88
\$4ABE: AA	TAX
\$4ABF: F6 00	INC f00,X
\$4AC1: F8	SED
\$4AC2: F8	SED
\$4AC3: EC 3C C0	CPX aC03C
\$4AC6: A8	TAY
\$4AC7: 4C 40 BF	JMP fBF40
\$4ACA: BF EF F8	LAX ff8EF,Y
\$4ACD: FE FA F2	INC ff2FA,X
\$4AD0: 00 F8	BRK #F8
\$4AD2: F8	SED
\$4AD3: EC 3C CC	CPX aCC3C
\$4AD6: 8C 0C 55	STY a550C
\$4AD9: 55 55	EOR f55,X
\$4ADB: 55 55	EOR f55,X
\$4ADD: 55 55	EOR f55,X
\$4ADF: 55 55	EOR f55,X
\$4AE1: 55 55	EOR f55,X
\$4AE3: E5 D9	SBC aD9
\$4AE5: D9 98 98	CMP f9898,Y
\$4AE8: 5B 5B 6F	SRE f6F5B,Y
\$4AEB: 5C 5C 55	NOP f555C,X

\$4AEE: 55 55	EOR f55,X
\$4AF0: EC C0 C0	CPX aC0C0
\$4AF3: C1 C5	CMP (pC5,X)
\$4AF5: 55 55	EOR f55,X
\$4AF7: 55 55	EOR f55,X
\$4AF9: 55 55	EOR f55,X
\$4AFB: 57 57	SRE f57,X
\$4AFD: 57 56	SRE f56,X
\$4AFF: 56 45	LSR f45,X
\$4B01: 81 A5	STA (pA5,X)
\$4B03: 85 B2	STA aB2
\$4B05: E2 6A	NOP # \$6A
\$4B07: 7A	NOP
\$4B08: 54 58	NOP f58,X
\$4B0A: 68	PLA
\$4B0B: 18	CLC
\$4B0C: C8	INY
\$4B0D: 88	DEY
\$4B0E: 88	DEY
\$4B0F: BC 5A 5E	LDY f5E5A,X
\$4B12: 56 56	LSR f56,X
\$4B14: 56 56	LSR f56,X
\$4B16: 57 57	SRE f57,X
\$4B18: F5 C5	SBC fC5,X
\$4B1A: C5 C5	b4B1A CMP aC5

\$4B1C: C5 C5      CMP aC5  
\$4B1E: D5 55      CMP f55,X  
\$4B20: 54 58      NOP f58,X  
\$4B22: 5A         NOP  
\$4B23: 68         PLA  
\$4B24: 6C 6E 6E    JMP (p6E6E)

\$4B27: 6A         ROR  
\$4B28: 55 15      EOR f15,X  
\$4B2A: 55 54      EOR f54,X  
\$4B2C: 06 86   b4B2C ASL a86

\$4B2E: 8A         TXA

\$4B2F: 88         DEY

\$4B30: 7A         NOP

\$4B31: 7A         NOP

\$4B32: 7A         NOP

\$4B33: 7A         NOP

\$4B34: 6A         ROR

\$4B35: 6B AF      ARR # \$AF

\$4B37: BD E9 A1    LDA fA1E9,X

f4B3B =\*+\$01

\$4B3A: B5 D5      LDA fD5,X

\$4B3C: 15 15      ORA f15,X

\$4B3E: 15 55      ORA f55,X

\$4B40: 55 55      EOR f55,X

\$4B42: 55 55 EOR f55,X  
\$4B44: 55 55 EOR f55,X  
\$4B46: 56 56 LSR f56,X  
j4B49 =\*+\$01  
\$4B48: 55 50 EOR f50,X  
\$4B4A: 6A ROR  
\$4B4B: AF 81 F1 LAX aF181  
a4B4F =\*+\$01  
\$4B4E: B1 B1 LDA (pB1),Y  
\$4B50: 56 4B LSR f4B,X  
\$4B52: AA TAX  
\$4B53: AA TAX  
\$4B54: AA TAX  
\$4B55: EB 7D SBC #\$7D  
\$4B57: 55 B1 EOR fB1,X  
\$4B59: B1 C5 LDA (pC5),Y  
\$4B5B: C5 C5 CMP aC5  
\$4B5D: B0 BB BCS b4B1A  
\$4B5F: AD 55 55 LDA a5555  
\$4B62: 45 80 EOR a80  
\$4B64: BC AF 6E LDY f6EAF,X  
\$4B67: 6A ROR  
\$4B68: 55 55 EOR f55,X  
\$4B6A: 55 55 EOR f55,X  
\$4B6C: 15 01 ORA f01,X

\$4B6E: F0 BC	BEQ b4B2C
\$4B70: 7A	NOP
\$4B71: 79 5A 6B	ADC f6B5A,Y
\$4B74: 6C 68 78	JMP (p7868)
\$4B77: 5D 6C 88	EOR f886C,X
\$4B7A: D9 55 55	CMP a5555,Y
\$4B7D: 55 55	EOR f55,X
f4B80 =*+\$01	
\$4B7F: 55 55	EOR f55,X
\$4B81: 57 57	SRE f57,X
\$4B83: 56 56	LSR f56,X
\$4B85: 56 5A	LSR f5A,X
\$4B87: 5A	NOP
\$4B88: 15 15	ORA f15,X
\$4B8A: 15 05	ORA f05,X
\$4B8C: C5 C5	CMP aC5
\$4B8E: 81 B1	STA (pB1,X)
\$4B90: 6A	ROR
\$4B91: 69 AE	ADC # \$AE
\$4B93: B6 81	LDX f81,Y
\$4B95: A5 95	LDA a95
\$4B97: D5 BC	CMP fBC,X
\$4B99: 68	PLA
\$4B9A: 88	DEY

\$4B9B: D8	CLD
\$4B9C: 58	CLI
\$4B9D: 68	PLA
\$4B9E: 58	CLI
\$4B9F: 5D 55 55	EOR a5555,X
\$4BA2: 51 62	EOR (p62),Y
\$4BA4: AA	TAX
\$4BA5: BA	TSX
\$4BA6: B6 89	LDX f89,Y
\$4BA8: 55 54	EOR f54,X
\$4BAA: 04 8C	NOP a8C
\$4BAC: BC BC BD	LDY fBDBC,X
\$4BAF: B1 DA	LDA (pDA),Y
\$4BB1: 5E 56 55	LSR f5556,X
\$4BB4: 54 5A	NOP f5A,X
\$4BB6: 56 56	LSR f56,X
\$4BB8: B1 B5	LDA (pB5),Y
\$4BBA: 85 85	STA a85
\$4BBC: 85 95	STA a95
\$4BBE: 15 55	ORA f55,X
\$4BC0: 55 40	EOR f40,X
\$4BC2: AC FB 5B	LDY a5BFB
\$4BC5: 5F 5E 5A	SRE f5A5E,X
\$4BC8: 55 55	EOR f55,X
\$4BCA: 15 15	ORA f15,X

\$4BCC: 15 05	ORA f05,X
\$4BCE: C5 C5	CMP aC5
\$4BD0: 5A	NOP
\$4BD1: 5A	NOP
\$4BD2: 5B 56 56	SRE f5656,Y
\$4BD5: 42	JAM
\$4BD6: AA	TAX
\$4BD7: 6B C1	ARR #C1
b4BDA =*+\$01	
\$4BD9: F0 FF	BEQ b4BDA
\$4BDB: FF FF BE	ISC fBEFF,X
\$4BDE: 69 55	ADC #55
\$4BE0: 55 55	EOR f55,X
\$4BE2: 55 55	EOR f55,X
\$4BE4: 45 85	EOR a85
\$4BE6: 82 A2	NOP #A2
\$4BE8: 45 81	EOR a81
\$4BEA: A1 61	LDA (p61,X)
\$4BEC: 71 B1	ADC (pB1),Y
\$4BEE: B1 B1	LDA (pB1),Y
\$4BF0: 62	JAM
\$4BF1: 6A	ROR
\$4BF2: 5A	NOP
\$4BF3: 56 56	LSR f56,X
\$4BF5: 55 55	EOR f55,X



\$4BF7: 55 B1 EOR fb1,X  
\$4BF9: B1 F1 b4BF9 LDA (pF1),Y  
\$4BFB: F0 FC BEQ b4BF9  
\$4BFD: BC BF F7 LDY ff7BF,X  
\$4C00: 54 50 b4C00 NOP f50,X  
\$4C02: 50 50 BVC b4C54  
\$4C04: 64 AA NOP aAA  
\$4C06: FA NOP  
\$4C07: FA NOP  
\$4C08: 55 11 EOR f11,X  
\$4C0A: 10 1F BPL b4C2B  
\$4C0C: 6B AB ARR #AB  
\$4C0E: BD BC BA LDA fBABC,X  
\$4C11: F0 50 BEQ b4C63  
\$4C13: 5A NOP  
\$4C14: 5F 55 55 f4C14 SRE a5555,X  
\$4C17: 55 AC EOR fAC,X  
\$4C19: 3D 05 85 AND f8505,X  
\$4C1C: D5 55 CMP f55,X  
\$4C1E: 55 55 EOR f55,X  
\$4C20: 54 50 NOP f50,X  
\$4C22: 50 70 BVC b4C94  
\$4C24: 71 7A ADC (p7A),Y  
\$4C26: 5A NOP  
\$4C27: 4F 55 11 SRE a1155

b4C2B =\*+\$01

\$4C2A: 10 0F BPL b4C3B

\$4C2C: 0F 4F 9D b4C2C SLO a9D4F

\$4C2F: DD 43 63 CMP f6343,X

\$4C32: 5A NOP

\$4C33: 53 57 SRE (p57),Y

\$4C35: 57 55 SRE f55,X

\$4C37: 55 D4 EOR fD4,X

b4C3B =\*+\$02

\$4C39: EC BD F1 CPX aF1BD

\$4C3C: C5 D5 CMP aD5

\$4C3E: 55 55 EOR f55,X

\$4C40: 54 50 NOP f50,X

\$4C42: 50 64 BVC b4CA8

\$4C44: 69 6A ADC #56A

\$4C46: 6A ROR

\$4C47: 6F 55 11 RRA a1155

\$4C4A: C0 30 CPY #530

\$4C4C: CF CF BF DCP aBFCF

s4C50 =\*+\$01

\$4C4F: BD 5F 4F LDA f4F5F,X

b4C54 =\*+\$02

\$4C52: 4E 77 5D LSR a5D77

\$4C55: 5F 5F 55 SRE f555F,X

\$4C58: 74 94 NOP f94,X

\$4C5A: F1 F5        SBC (pF5),Y  
\$4C5C: C5 15        CMP a15  
\$4C5E: 55 55    b4C5E EOR f55,X  
\$4C60: 54 50        NOP f50,X  
          b4C63    =\*+\$01  
\$4C62: 53 60        SRE (p60),Y  
\$4C64: A3 AB        LAX (pAB,X)  
\$4C66: FA            NOP  
\$4C67: FE 55 11     INC a1155,X  
\$4C6A: 10 C0    b4C6A BPL b4C2C  
\$4C6C: 10 F0        BPL b4C5E  
\$4C6E: 30 90    b4C6E BMI b4C00  
\$4C70: FB 2F 2F    f4C70 ISC f2F2F,Y  
\$4C73: 75 7C        ADC f7C,X  
\$4C75: 7D 55 55     ADC a5555,X  
\$4C78: F0 F0        BEQ b4C6A  
\$4C7A: F1 C5        SBC (pC5),Y  
\$4C7C: 55 55        EOR f55,X  
\$4C7E: 55 55        EOR f55,X  
\$4C80: 54 50        NOP f50,X  
\$4C82: 5C 63 AC     NOP fAC63,X  
          b4C87    =\*+\$02  
\$4C85: AF EB FA     LAX aFAEB  
\$4C88: 55 11        EOR f11,X  
\$4C8A: C0 24        CPY #24

\$4C8C: E8	INX
\$4C8D: E8	INX
\$4C8E: AC AC FA	LDY aFAAC
\$4C91: 90 F4	BCC b4C87
b4C94	=*+\$01
\$4C93: FF FF FD	ISC fFDFF,X
\$4C96: 31 45	AND (p45),Y
\$4C98: BC 2C 3C	LDY f3C2C,X
\$4C9B: FD D5 55	SBC f55D5,X
\$4C9E: 55 55	EOR f55,X
\$4CA0: 54 50	NOP f50,X
\$4CA2: 53 5C	SRE (p5C),Y
\$4CA4: 53 5F	SRE (p5F),Y
\$4CA6: F6 FE	INC fFE,X
\$4CA8: 55 11	b4CA8 EOR f11,X
\$4CAA: 00 10	BRK # \$10
\$4CAC: 24 A8	BIT aA8
\$4CAE: BC BC FC	LDY aFCBC,X
\$4CB1: FC 02 5D	NOP f5D02,X
\$4CB4: 5C 55 55	NOP a5555,X
\$4CB7: 55 3C	EOR f3C,X
\$4CB9: 2C FC 74	BIT a74FC
\$4CBC: D1 F5	CMP (pF5),Y
\$4CBE: 55 55	EOR f55,X
\$4CC0: 54 50	f4CC0 NOP f50,X

a4CC4 =\*+\$02

\$4CC2: 5C 70 4C NOP f4C70,X

a4CC6 =\*+\$01

\$4CC5: DE FA FB DEC fFBFA,X

\$4CC8: 55 11 EOR f11,X

\$4CCA: 10 00 BPL b4CCC

\$4CCC: 90 A0 b4CCC BCC b4C6E

\$4CCE: A0 E0 LDY #E0

\$4CD0: FF 33 47 p4CD0 ISC f4733,X

\$4CD3: 5E 5E 5D LSR f5D5E,X

\$4CD6: 57 55 SRE f55,X

\$4CD8: E0 C0 CPX #C0

\$4CDA: C0 E1 CPY #E1

\$4CDC: 41 C5 EOR (pC5,X)

\$4CDE: D5 55 CMP f55,X

\$4CE0: 54 50 NOP f50,X

\$4CE2: 50 50 BVC b4D34

\$4CE4: 71 7A ADC (p7A),Y

\$4CE6: 7A NOP

\$4CE7: 5F 55 11 SRE a1155,X

\$4CEA: 00 10 BRK #10

\$4CEC: 20 A4 A4 JSR sA4A4

\$4CEF: 80 5F NOP #5F

\$4CF1: 5F 7B 7C SRE f7C7B,X

\$4CF4: 57 5F SRE f5F,X

\$4CF6: 55 55	EOR f55,X
\$4CF8: 00 20	BRK #20
\$4CFA: 91 05	STA (p05),Y
\$4CFC: 15 55	ORA f55,X
\$4CFE: 55 55	EOR f55,X
\$4D00: 55 5D	EOR f5D,X
\$4D02: 5F 7F 7F	SRE f7F7F,X
\$4D05: 7F 7F 7F	RRA f7F7F,X
\$4D08: 14 30	b4D08 NOP f30,X
\$4D0A: F0 FC	BEQ b4D08
\$4D0C: F4 F4	NOP fF4,X
a4D0F =*+\$01	
\$4D0E: DF 5F F7	DCP ff75F,X
\$4D11: F7 F7	ISC ff7,X
\$4D13: F7 CF	ISC fCF,X
\$4D15: C3 57	DCP (p57,X)
\$4D17: 55 FF	EOR fFF,X
\$4D19: FF FF 7F	ISC f7FFF,X
\$4D1C: 73 C7	RRA (pC7),Y
\$4D1E: D5 55	CMP f55,X
\$4D20: 55 57	EOR f57,X
\$4D22: 5F 7D 7D	SRE f7D7D,X
\$4D25: F7 CF	ISC fCF,X
\$4D27: CF 55 55	DCP a5555
\$4D2A: 74 FF	NOP fFF,X

\$4D2C: FF F7 FD      ISC fFDF7,X  
\$4D2F: FF 4F 7F      ISC f7F4F,X  
          b4D34 =\*+\$02  
\$4D32: 7D 7C 53      ADC f537C,X  
\$4D35: 57 57          SRE f57,X  
\$4D37: 55 7F          EOR f7F,X  
\$4D39: 77 F4          RRA fF4,X  
\$4D3B: DC F0 C1      NOP fC1F0,X  
\$4D3E: 05 55          ORA a55  
\$4D40: 55 55    p4D40 EOR f55,X  
\$4D42: 55 40    b4D42 EOR f40,X  
\$4D44: FF 7F FD      ISC fFD7F,X  
\$4D47: FD 55 55      SBC a5555,X  
\$4D4A: 55 11          EOR f11,X  
\$4D4C: 30 F4          BMI b4D42  
\$4D4E: FC FF F5      NOP fF5FF,X  
\$4D51: FF FF FF      ISC fFFFF,X ;IRQ  
\$4D54: C3 50          DCP (p50,X)  
\$4D56: 54 55          NOP f55,X  
\$4D58: EF FC F0      ISC aF0FC  
\$4D5B: 7F DC C1      RRA fC1DC,X  
\$4D5E: 01 55          ORA (p55,X)  
\$4D60: 55 55          EOR f55,X  
\$4D62: 55 54          EOR f54,X  
\$4D64: 7D 7D 7F      ADC f7F7D,X

\$4D67: FF 55 55	ISC a5555,X
\$4D6A: 55 00	EOR f00,X
\$4D6C: FC FF 77	NOP f77FF,X
\$4D6F: FF DF F7	ISC ff7DF,X
\$4D72: F7 FF	ISC fFF,X
\$4D74: F3 F1	ISC (pF1),Y
\$4D76: 70 71	BVS b4DE9
\$4D78: F8	SED
\$4D79: BC F0 00	LDY f00F0,X
\$4D7C: CC FC F1	CPY aF1FC
\$4D7F: 55 55	EOR f55,X
\$4D81: 75 73	ADC f73,X
\$4D83: F7 F7	ISC ff7,X
\$4D85: F7 C7	ISC fC7,X
\$4D87: FD 55 5D	SBC f5D55,X
\$4D8A: CC 7F 7F	CPY f7F7F
\$4D8D: 7F 73 7F	RRA f7F73,X
\$4D90: 7F 7B 7F	RRA f7F7B,X
\$4D93: 7C 70 7C	NOP f7C70,X
\$4D96: 5F 57 FC	SRE fFC57,X
\$4D99: EC FC 3C	CPX a3CFC
\$4D9C: 0C 3C F1	NOP aF13C
\$4D9F: C5 55	CMP a55
\$4DA1: 55 55	EOR f55,X
\$4DA3: 54 7F	NOP f7F,X



\$4DA5: F5 DD	SBC fDD,X
\$4DA7: FF 55 55	ISC a5555,X
\$4DAA: 55 01	EOR f01,X
\$4DAC: 74 7C	NOP f7C,X
\$4DAE: FC F7 EF	NOP fEFF7,X
\$4DB1: FE CF F0	INC fFOCF,X
\$4DB4: 73 7F	RRA (p7F),Y
\$4DB6: 5F 55 DF	SRE fDF55,X
\$4DB9: DF FF DF	DCP fDFFF,X
\$4DBC: CF CF 1C	DCP a1CCF
\$4DBF: 5C 55 55	NOP a5555,X
\$4DC2: 55 54	EOR f54,X
\$4DC4: 5C 5F 7F	NOP f7F5F,X
\$4DC7: FF 55 55	ISC a5555,X
\$4DCA: 55 40	EOR f40,X
\$4DCC: FF F4 55	ISC f55F4,X
\$4DCF: 7F FB 3F	RRA f3FFB,X
\$4DD2: 0F FF 77	SLO f77FF
\$4DD5: 53 55	SRE (p55),Y
\$4DD7: 55 57	EOR f57,X
\$4DD9: 7F FF FF	RRA fFFFF,X ;IRQ
\$4DDC: C3 00	DCP (p00,X)
\$4DDE: 55 55	EOR f55,X
\$4DE0: 55 55	EOR f55,X
\$4DE2: 5C 7F 7F	NOP f7F7F,X

\$4DE5: FF DF F7      ISC fF7DF,X  
      b4DE9 =\*+\$01  
\$4DE8: 55 C5      EOR fC5,X  
\$4DEA: F1 7C      SBC (p7C),Y  
\$4DEC: 5C 5F D7      NOP fD75F,X  
\$4DEF: F3 FD      ISC (pFD),Y  
\$4DF1: FD 7F 7F      SBC f7F7F,X  
\$4DF4: 5F 57 55      SRE f5557,X  
\$4DF7: 55 F0      EOR fF0,X  
\$4DF9: F4 7C      NOP f7C,X  
      b4DFD =\*+\$02  
\$4DFB: 1C 41 C1      NOP fC141,X  
\$4DFE: C5 55      CMP a55  
\$4E00: 56 5A    f4E00 LSR f5A,X  
\$4E02: 5A      NOP  
\$4E03: 5A      NOP  
\$4E04: 5A    a4E04 NOP  
\$4E05: 5A    a4E05 NOP  
\$4E06: 7E 7E 95      ROR f957E,X  
\$4E09: A2 AA      LDX #\$AA  
\$4E0B: A8    b4E0B TAY  
      b4E0E =\*+\$02  
\$4E0C: AC AC BC      LDY aBCAC  
\$4E0F: BC 72 73      LDY f7372,X  
\$4E12: 73 6F      RRA (p6F),Y

\$4E14: 5F 5F 5F	SRE f5F5F,X
\$4E17: 55 FC	EOR fFC,X
\$4E19: F0 F0	BEQ b4E0B
\$4E1B: F1 F1	SBC (pF1),Y
\$4E1D: C5 15	CMP a15
\$4E1F: 55 56	EOR f56,X
\$4E21: 5A	NOP
\$4E22: 5A	NOP
\$4E23: 5A	NOP
\$4E24: 5A	NOP
\$4E25: 7A	NOP
\$4E26: 7A	NOP
\$4E27: 7A	NOP
\$4E28: 95 A1	STA fA1,X
\$4E2A: A0 A0	LDY #A0
	b4E2D =*+\$01
\$4E2C: A0 BE	LDY #BE
\$4E2E: FE FC 7B	INC f7BFC,X
\$4E31: 7F 6F 6F	RRA f6F6F,X
\$4E34: 5F 5F 5C	SRE f5C5F,X
\$4E37: 55 F0	EOR fF0,X
\$4E39: C0 F0	CPY #F0
\$4E3B: F0 F0	BEQ b4E2D
\$4E3D: F1 55	SBC (p55),Y
\$4E3F: 55 56	EOR f56,X

\$4E41: 5A NOP  
\$4E42: 5A NOP  
\$4E43: 5A NOP  
\$4E44: 5A NOP  
\$4E45: 5A NOP  
\$4E46: 7B 7B 95 RRA f957B,Y  
\$4E49: A1 B0 f4E49 LDA (pB0,X)  
b4E4C =\*+\$01  
\$4E4B: B0 B0 BCS b4DFD  
b4E4E =\*+\$01  
\$4E4D: E0 F0 a4E4D CPX #F0  
\$4E4F: F0 7F BEQ b4ED0  
\$4E51: 5F 5F 5F SRE f5F5F,X  
\$4E54: 5F 5F 55 SRE f555F,X  
\$4E57: 55 38 EOR f38,X  
\$4E59: C8 INY  
\$4E5A: F0 F0 BEQ b4E4C  
\$4E5C: F0 F0 BEQ b4E4E  
\$4E5E: C1 55 CMP (p55,X)  
\$4E60: 56 5A LSR f5A,X  
\$4E62: 5A NOP  
\$4E63: 5A NOP  
\$4E64: 5A NOP  
\$4E65: 5B 5F 5F SRE f5F5F,Y  
\$4E68: 95 A1 STA fA1,X

\$4E6A: E0 F0	b4E6A CPX #F0
\$4E6C: F0 A0	BEQ b4E0E
\$4E6E: A0 E0	LDY #E0
\$4E70: 5C 5C 5C	NOP f5C5C,X
\$4E73: 5F 5F 57	SRE f575F,X
\$4E76: 57 55	SRE f55,X
\$4E78: F0 F0	BEQ b4E6A
\$4E7A: E0 A0	CPX #A0
\$4E7C: E0 F1	CPX #F1
\$4E7E: C5 55	b4E7E CMP a55
\$4E80: 56 5A	LSR f5A,X
\$4E82: 5B 5B 5B	SRE f5B5B,Y
\$4E85: 7E 7E 7E	ROR f7E7E,X
\$4E88: 95 A1	STA fA1,X
\$4E8A: A0 EE	b4E8A LDY #EE
	a4E8D =*+\$01
\$4E8C: EE BC BC	INC aBCBC
\$4E8F: BC 6E 6F	LDY f6F6E,X
\$4E92: 6F 6F 6F	RRA f6F6F
\$4E95: AB 9F	LAX #9F
\$4E97: 55 FC	EOR fFC,X
\$4E99: FC F0 F0	NOP fF0F0,X
\$4E9C: F1 C5	SBC (pC5),Y
\$4E9E: 05 55	ORA a55
\$4EA0: 56 5A	LSR f5A,X

\$4EA2: 5E 5F 5F      LSR f5F5F,X

\$4EA5: 5A            NOP

\$4EA6: 5A            NOP

\$4EA7: 5A            NOP

\$4EA8: 95 A1        STA fA1,X

    b4EAB =\*+\$01

\$4EAA: A0 A0        LDY #\$A0

\$4EAC: A0 F0        LDY #\$F0

\$4EAE: FC EC 6B     NOP f6BEC,X

\$4EB1: 6F 5F 5F     RRA f5F5F

\$4EB4: 5F 5F 57     SRE f575F,X

\$4EB7: 55 EC        EOR fEC,X

\$4EB9: F0 F0        BEQ b4EAB

\$4EBB: F0 C1        BEQ b4E7E

\$4EBD: C5 15        CMP a15

\$4EBF: 55 56        EOR f56,X

\$4EC1: 5A            NOP

\$4EC2: 5A            NOP

\$4EC3: 5E 5E 6B     LSR f6B5E,X

\$4EC6: 6B 5B        ARR #\$5B

\$4EC8: 95 A1        STA fA1,X

\$4ECA: A0 A0        LDY #\$A0

\$4ECC: A0 A0        LDY #\$A0

    b4ECF =\*+\$01

\$4ECE: E0 F0        CPX #\$F0

b4ED2 =\*+\$02

\$4ED0: 5F 5F 5F b4ED0 SRE f5F5F,X

\$4ED3: 5F 5F 5F SRE f5F5F,X

\$4ED6: 57 55 SRE f55,X

\$4ED8: F0 B0 BEQ b4E8A

\$4EDA: 80 F0 NOP #F0

\$4EDC: F0 F1 BEQ b4ECF

\$4EDE: C5 55 CMP a55

\$4EE0: 56 5A LSR f5A,X

\$4EE2: 5A NOP

\$4EE3: 5A NOP

\$4EE4: 5A NOP

\$4EE5: 5E 5F 5F LSR f5F5F,X

\$4EE8: 95 A1 STA fa1,X

\$4EEA: A0 A0 LDY #A0

b4EED =\*+\$01

\$4EEC: A0 A0 LDY #A0

\$4EEE: A0 A0 LDY #A0

\$4EF0: 5F 5F 5F SRE f5F5F,X

\$4EF3: 5A NOP

\$4EF4: 5E 5F 57 LSR f575F,X

\$4EF7: 55 F0 EOR ff0,X

\$4EF9: 30 30 BMI b4F2B

\$4EFB: 30 F0 BMI b4EED

\$4EFD: F1 C5 SBC (pC5),Y

\$4EFF: 55 57	EOR f57,X
\$4F01: 5C 70 70	NOP f7070,X
\$4F04: 70 CC	BVS b4ED2
\$4F06: C3 00	DCP (p00,X)
\$4F08: 57 DF	SRE fDF,X
\$4F0A: 30 33	BMI f4F3F
\$4F0C: 33 C3	RLA (pC3),Y
\$4F0E: 03 0C	SLO (p0C,X)
\$4F10: 0C 33 F0	NOP aF033
\$4F13: 70 70	BVS b4F85
\$4F15: 5F 55 55	SRE a5555,X
\$4F18: FC 30 31	NOP f3130,X
\$4F1B: 31 35	AND (p35),Y
\$4F1D: D5 55	CMP f55,X
\$4F1F: 55 5D	EOR f5D,X
\$4F21: 73 C0	RRA (pC0),Y
\$4F23: C0 C0	CPY #C0
\$4F25: CF 70 C0	DCP aC070
\$4F28: 55 45	EOR f45,X
b4F2B =*+\$01	
\$4F2A: C1 CF	CMP (pCF,X)
\$4F2C: F3 C1	ISC (pC1),Y
\$4F2E: 0C 30 70	NOP a7030
\$4F31: CF C0 C0	DCP aC0C0
\$4F34: C0 73	CPY #C73



\$4F36: 5D 55 C1 EOR fC155,X

\$4F39: C1 C1 CMP (pC1,X)

\$4F3B: C5 D5 CMP aD5

\$4F3D: 55 55 EOR f55,X

f4F40 =\*+\$01

\$4F3F: 55 5D f4F3F EOR f5D,X

\$4F41: 73 C0 RRA (pC0),Y

\$4F43: C3 73 DCP (p73,X)

\$4F45: CF C0 C0 DCP aC0C0

\$4F48: 55 45 EOR f45,X

\$4F4A: 41 01 EOR (p01,X)

\$4F4C: 01 01 s4F4C ORA (p01,X)

s4F50 =\*+\$02

\$4F4E: FF 03 CF s4F4E ISC fCF03,X

\$4F51: 73 CC RRA (pCC),Y

\$4F53: C0 C0 CPY #C0

\$4F55: C0 73 CPY #73

\$4F57: 5D FC 00 EOR f00FC,X

\$4F5A: C1 C1 CMP (pC1,X)

\$4F5C: C5 D5 CMP aD5

f4F5F =\*+\$01

\$4F5E: 55 55 EOR f55,X

\$4F60: 57 5C b4F60 SRE f5C,X

\$4F62: 70 70 BVS b4FD4

\$4F64: 72 JAM

\$4F65: 5F 70 70      SRE f7070,X  
\$4F68: 55 D1        EOR fD1,X  
\$4F6A: 00 80        BRK #80  
\$4F6C: C0 F0        CPY #F0  
\$4F6E: 30 F0        BMI b4F60  
\$4F70: 7C 7F 70      NOP f707F,X  
\$4F73: 70 70        BVS b4FE5  
\$4F75: 5C 57 55      NOP f5557,X  
\$4F78: 30 0C        BMI b4F86  
\$4F7A: CC 31 35      CPY a3531  
\$4F7D: D5 55        CMP f55,X  
\$4F7F: 55 57        EOR f57,X  
\$4F81: 5C 70 70      NOP f7070,X  
                  b4F85 =\*+\$01  
\$4F84: 4B 7F        ALR #7F  
\$4F86: C3 C0    b4F86 DCP (pC0,X)  
\$4F88: 55 D1        EOR fD1,X  
\$4F8A: 30 30        BMI b4FBC  
\$4F8C: 8C C3 03      STY a03C3  
\$4F8F: 33 0C        RLA (p0C),Y  
\$4F91: 03 30        SLO (p30,X)  
\$4F93: 30 30        BMI b4FC5  
\$4F95: 3F F5 D5      RLA fD5F5,X  
\$4F98: F3 33        ISC (p33),Y  
\$4F9A: 3C 31 35      NOP a3531,X

\$4F9D: D5 55      CMP f55,X  
\$4F9F: 55 55      EOR f55,X  
\$4FA1: 57 54      SRE f54,X  
\$4FA3: 56 57      LSR f57,X  
\$4FA5: 5F 70 C3    SRE fc370,X  
\$4FA8: D5 34      CMP f34,X  
\$4FAA: 0C 0C 8C    NOP a8C0C  
\$4FAD: F0 0C      BEQ b4FBB  
\$4FAF: 03 CF      SLO (pCF,X)  
\$4FB1: FC 5C 5C    NOP f5C5C,X  
\$4FB4: 5C 57 55    NOP f5557,X  
\$4FB7: 55 33      EOR f33,X  
\$4FB9: F3 33      ISC (p33),Y

    b4FBC =\*+\$01

\$4FBB: 0C 0D 35    b4FBB NOP a350D  
\$4FBE: D5 55      CMP f55,X  
\$4FC0: 55 55      EOR f55,X  
\$4FC2: 55 55      EOR f55,X

    b4FC5 =\*+\$01

    b4FC6 =\*+\$02

\$4FC4: FF C0 CF    ISC fcFC0,X  
\$4FC7: 77 75      RRA f75,X  
\$4FC9: CD 03 C3    CMP aC303  
\$4FCC: CC F3 03    CPY a03F3  
\$4FCF: 33 57      RLA (p57),Y

\$4FD1: 55 57 EOR f57,X

b4FD4 =\*+\$01

\$4FD3: 57 57 SRE f57,X

\$4FD5: 57 55 SRE f55,X

\$4FD7: 55 33 EOR f33,X

\$4FD9: F3 33 ISC (p33),Y

\$4FDB: 33 0C RLA (p0C),Y

\$4FDD: 00 CD BRK #\$CD

\$4FDF: 75 55 ADC f55,X

\$4FE1: 57 5C SRE f5C,X

b4FE5 =\*+\$02

\$4FE3: 5C 5C 57 NOP f575C,X

\$4FE6: 5C 5C D5 NOP fD55C,X

\$4FE9: 30 0C BMI b4FF7

\$4FEB: 0C 0C CC NOP aCC0C

\$4FEE: 30 0C BMI b4FFC

\$4FF0: 5C 5C 5C NOP f5C5C,X

\$4FF3: 5F 5C 57 SRE f575C,X

b4FF7 =\*+\$01

\$4FF6: 55 55 EOR f55,X

\$4FF8: F0 CC BEQ b4FC6

b4FFC =\*+\$02

\$4FFA: CC 0C 0D CPY a0D0C

\$4FFD: 35 D5 AND fD5,X

\$4FFF: F5 55 f4FFF SBC f55,X

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$5001: 55 55    a5001  EOR f55,X
$5003: 55 55          EOR f55,X
$5005: 55 55          EOR f55,X
          f5008 =*+$01
$5007: 55 FF          EOR fFF,X
$5009: FE FE FF      INC fFFFE,X ;IRQ
$500C: FE FE FE      INC fFEFE,X
$500F: FF FF BA      ISC fBAFF,X
$5012: EE AB EE      INC aEEAB
$5015: BA            TSX
$5016: EE AB FF      INC ROM_UNTLK
$5019: BB EF A8      LAS fA8EF,Y
$501C: EF BB EF      ISC aEFBB
$501F: A8            TAY
$5020: FE FE FE    a5020  INC fFEFE,X
$5023: FF FE FE      ISC fFEFE,X
$5026: FE FF EE      INC fEEFF,X
$5029: BB EF A8      LAS fA8EF,Y
$502C: EF BB EF      ISC aEFBB
$502F: A8            TAY
$5030: EE FE FE      INC fFEFE
$5033: FF FE FE      ISC fFEFE,X
          f5038 =*+$02
$5036: FE FF EF      INC fEFFF,X
$5039: BB EF A8      LAS fA8EF,Y

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\$503C: EF BB EF      ISC aEFBB  
\$503F: A8            TAY  
\$5040: EF BA EE      ISC aEEBA  
\$5043: AB EE        LAX #EE  
\$5045: BA            TSX  
\$5046: EE AB FE    b5046 INC aFEAB  
\$5049: BA            TSX  
    j504C =\*+\$02  
\$504A: EE AB EE      INC aEEAB  
\$504D: BA            TSX  
    a504F =\*+\$01  
\$504E: EE AB FE      INC aFEAB  
\$5051: FF F3 FC      ISC fFCF3,X  
    f5055 =\*+\$01  
\$5054: F3 CF        ISC (pCF),Y  
\$5056: 33 FC        RLA (pFC),Y  
    f505A =\*+\$02  
\$5058: EE CF 33      INC a33CF  
\$505B: FC 33 CF      NOP fCF33,X  
\$505E: 33 FC        RLA (pFC),Y  
\$5060: EF CF 33      ISC a33CF  
\$5063: FC 33 CF      NOP fCF33,X  
\$5066: 33 FC        RLA (pFC),Y  
\$5068: 55 55        EOR f55,X  
\$506A: 55 40        EOR f40,X

\$506C: BF CC CC LAX fCCCC,Y  
\$506F: DD 55 51 CMP f5155,X  
\$5072: 5C 33 F3 NOP ROM\_CLRCHNj,X  
\$5075: 73 4C RRA (p4C),Y  
\$5077: 50 57 BVC b50D0  
\$5079: 5F 6F 73 SRE f736F,X  
\$507C: 74 56 NOP f56,X  
\$507E: 57 55 SRE f55,X  
\$5080: CC 3C 30 f5080 CPY a303C  
\$5083: 70 C1 BVS b5046  
\$5085: C5 15 CMP a15  
\$5087: 55 EB EOR fEB,X  
\$5089: AA TAX  
\$508A: 88 DEY  
\$508B: A2 FB LDX #fFB  
\$508D: 6B 7C f508D ARR #f7C  
\$508F: 42 JAM  
\$5090: 41 68 EOR (p68,X)  
\$5092: DE 6D 9A DEC f9A6D,X  
\$5095: E5 6A a5095 SBC a6A  
\$5097: F7 2F ISC f2F,X  
\$5099: AB 8B LAX #f8B  
\$509B: AA TAX  
\$509C: E3 EB ISC (pEB,X)  
\$509E: BC E6 BB LDY fBBE6,X

\$50A1: B5 E1	LDA fE1,X
\$50A3: 2C 3A 3A	BIT a3A3A
\$50A6: B9 D9 40	LDA f40D9,Y
\$50A9: BF BF EF	LAX fEFBF,Y
\$50AC: C0 8A	CPY #8A
\$50AE: AA	TAX
\$50AF: FE 00 F8	INC fF800,X
\$50B2: F8	SED
\$50B3: EC 30 C8	CPX aC830
\$50B6: A8	TAY
\$50B7: CC FA FA	CPY aFAFA
\$50BA: FA	NOP
\$50BB: FF EF BF	ISC fBFEF,X
\$50BE: BF 70 8C	LAX f8C70,Y
\$50C1: 8C BC FC	STY aFCBC
\$50C4: EC F8 F8	CPX aF8F8
\$50C7: 03 55	SLO (p55,X)
\$50C9: 50 7F	BVC b514A
\$50CB: FF FE 40	ISC f40FE,X
\$50CE: 71 76	ADC (p76),Y
\$50D0: 55 01	b50D0 EOR f01,X
\$50D2: F0 FC	BEQ b50D0
\$50D4: FD 01 31	SBC f3101,X
\$50D7: 71 71	ADC (p71),Y
\$50D9: 79 72 7F	ADC f7F72,Y



\$50DC: 7F 65 59 RRA f5965,X

\$50DF: 55 B1 EOR fB1,X

\$50E1: 71 31 ADC (p31),Y

\$50E3: F1 F5 SBC (pF5),Y

\$50E5: 95 59 STA f59,X

\$50E7: 55 00 EOR f00,X

\$50E9: 77 25 RRA f25,X

\$50EB: 25 25 AND a25

\$50ED: 25 27 AND a27

\$50EF: 00 00 BRK # \$00

a50F2 =\*+\$01

\$50F1: 0C 1C 3C NOP a3C1C

\$50F4: 6C 7E 0C JMP (p0C7E)

\$50F7: 00 00 BRK # \$00

\$50F9: 3C 66 3C NOP f3C66,X

\$50FC: 66 66 ROR a66

\$50FE: 3C 00 00 NOP e0000,X

\$5101: 74 42 NOP f42,X

\$5103: 61 42 ADC (p42,X)

\$5105: 44 74 NOP a74

\$5107: 00 00 BRK # \$00

\$5109: 57 92 SRE f92,X

\$510B: 12 JAM

\$510C: 92 JAM

\$510D: 52	JAM
\$510E: 52	JAM
\$510F: 00 55	BRK #55
\$5111: 56 57	LSR f57,X
\$5113: 7F 77 7F	RRA f7F77,X
\$5116: 7B 7B 55	RRA f557B,Y
\$5119: 55 55	EOR f55,X
\$511B: 51 51	EOR (p51),Y
\$511D: C1 F0	CMP (pF0,X)
\$511F: F0 73	BEQ b5194
\$5121: 7C 73 7F	NOP f7F73,X
\$5124: 7F 7F 5F	RRA f5F7F,X
\$5127: 55 30	EOR f30,X
\$5129: F1 31	SBC (p31),Y
\$512B: F1 F5	SBC (pF5),Y
\$512D: F5 D5	SBC fD5,X
\$512F: 55 55	EOR f55,X
\$5131: 51 4C	EOR (p4C),Y
\$5133: 3C 3F 4F	NOP f4F3F,X
\$5136: 5F 5F 55	SRE f555F,X
\$5139: 55 55	EOR f55,X
\$513B: 15 05	ORA f05,X
\$513D: C1 E0	CMP (pE0,X)
\$513F: E6 5F	INC a5F
\$5141: 5F 57 57	SRE f5757,X

\$5144: 91 64 STA (p64),Y  
\$5146: 59 56 AA EOR fAA56,Y  
b514A =\*+\$01  
\$5149: A6 A6 LDX aA6  
\$514B: 96 53 STX f53,Y  
\$514D: 07 17 SLO a17  
a5150 =\*+\$01  
\$514F: 17 5B SLO f5B,X  
\$5151: 5D 5F 5F EOR f5F5F,X  
f5155 =\*+\$01  
\$5154: 5F 5F 7F SRE f7F5F,X  
\$5157: 6F 55 55 RRA a5555  
b515B =\*+\$01  
\$515A: 55 55 EOR f55,X  
b515D =\*+\$01  
\$515C: 55 55 EOR f55,X  
\$515E: D4 F0 NOP fF0,X  
\$5160: FB FF FF ISC fFFFF,Y ;IRQ  
\$5163: FF FF FF ISC fFFFF,X ;IRQ  
\$5166: 7F 5F F0 RRA fF05F,X  
\$5169: F0 F0 BEQ b515B  
\$516B: F0 F0 BEQ b515D  
\$516D: F1 C5 SBC (pC5),Y  
f5170 =\*+\$01  
\$516F: 55 7E EOR f7E,X

\$5171: 79 79 79	ADC f7979,Y
\$5174: 7E 5F 57	ROR f575F,X
\$5177: 55 BC	EOR fBC,X
\$5179: 6C 6C 6C	JMP (p6C6C)
\$517C: BC F1 D5	LDY fD5F1,X
\$517F: 55 55	EOR f55,X
\$5181: 55 57	EOR f57,X
\$5183: 57 5C	SRE f5C,X
\$5185: 5C 5C 5C	NOP f5C5C,X
\$5188: 55 55	EOR f55,X
\$518A: C5 31	CMP a31
\$518C: 5D 5C 57	EOR f575C,X
\$518F: 57 5C	SRE f5C,X
\$5191: FB AA 8B	ISC f8BAA,Y
\$5194: A3 8B	b5194 LAX (p8B,X)
\$5196: ED 55 47	SBC a4755
\$5199: 5D F1 15	EOR f15F1,X
\$519C: 15 55	ORA f55,X
\$519E: 55 55	EOR f55,X
\$51A0: 7F BF BF	RRA fBFBF,X
\$51A3: FF FE FE	ISC fFEFE,X
\$51A6: FE FA F5	INC fF5FA,X
\$51A9: F9 F9 FD	SBC ROM_SETNAMj,Y
\$51AC: FD FD FD	SBC aFDFD,X

\$51AF: BD FA FE	LDA fFEFA,X
\$51B2: FE FE FF	INC fFFFE,X ;IRQ
\$51B5: BF BF 7F	LAX f7FBF,Y
\$51B8: BD FD FD	LDA aDFDF,X
\$51BB: FD FD F9	SBC ff9FD,X
\$51BE: F9 F5 55	SBC f55F5,Y
\$51C1: 55 5D	EOR f5D,X
\$51C3: 55 D5	EOR fD5,X
\$51C5: 55 D5	EOR fD5,X
\$51C7: 5D 55 55	EOR a5555,X
\$51CA: D5 5D	CMP f5D,X
\$51CC: 55 57	EOR f57,X
\$51CE: D5 57	CMP f57,X
\$51D0: D5 55	CMP f55,X
\$51D2: D5 55	CMP f55,X
\$51D4: 75 57	ADC f57,X
\$51D6: 55 55	EOR f55,X
\$51D8: D5 57	CMP f57,X
\$51DA: 55 57	EOR f57,X
\$51DC: 55 75	EOR f75,X
\$51DE: 55 55	EOR f55,X
\$51E0: 55 55	EOR f55,X
\$51E2: 55 00	EOR f00,X
\$51E4: EF EF EA	ISC aEAEF
\$51E7: EF 55 55	ISC a5555

\$51EA: 55 00	EOR f00,X
\$51EC: FF FF AA	ISC fAAFF,X
\$51EF: FF BF BF	ISC fBFBF,X
\$51F2: BF 55 55	LAX a5555,Y
\$51F5: 55 55	EOR f55,X
\$51F7: 55 FF	EOR fFF,X
\$51F9: FF FF 55	ISC f55FF,X
\$51FC: 55 55	EOR f55,X
\$51FE: 55 55	EOR f55,X
\$5200: 7F FF FE	RRA fFEFF,X
\$5203: FE FE FE	INC fFEFE,X
\$5206: FE FE FD	INC fDFFE,X
\$5209: EF AB AB	ISC aABAB
\$520C: EB AF	SBC #AF
\$520E: AB AB	LAX #AB
\$5210: FF FF FF	ISC fFFFF,X ;IRQ
\$5213: FF FF FF	ISC fFFFF,X ;IRQ
\$5216: FF 7F AF	ISC fAF7F,X
\$5219: FF FF FF	ISC fFFFF,X ;IRQ
\$521C: FF FF FF	ISC fFFFF,X ;IRQ
\$521F: FD 7F FF	SBC fFF7F,X
\$5222: FE FE FE	INC fFEFE,X
\$5225: 7E FF FE	ROR fFEFF,X
\$5228: FD AF EF	SBC fEFAF,X
\$522B: AB BB	LAX #BB

\$522D: AF AB AF	LAX aAFAB
\$5230: FF FF FF	ISC fFFFF,X ;IRQ
\$5233: 7F FF F7	RRA fF7FF,X
\$5236: DF 77 BF	DCP fBF77,X
\$5239: FF FF FF	ISC fFFFF,X ;IRQ
\$523C: FF FD DF	ISC fDFFD,X
\$523F: F5 7D	SBC f7D,X
\$5241: FF FE 7F	ISC f7FFE,X
f5245	=*+\$01
\$5244: 7F FF 7F	RRA f7FFF,X
\$5247: FF FD BF	ISC fBFFD,X
\$524A: AF AF EF	LAX fEFAF
\$524D: BD AF BB	LDA fBBAF,X
\$5250: 7F 5F 7F	s5250 RRA f7F5F,X
\$5253: DD 7F F7	CMP fF77F,X
\$5256: DF 77 EF	DCP fEF77,X
\$5259: FF FF FD	ISC fDFF,X
\$525C: FD 5F F7	SBC fF75F,X
\$525F: 55 B5	EOR fB5,X
\$5261: B5 B5	LDA fB5,X
\$5263: B5 B5	LDA fB5,X
\$5265: B5 A5	LDA fA5,X
\$5267: F5 5F	SBC f5F,X
\$5269: 5F 5F 5F	SRE f5F5F,X
\$526C: 5F 5F 5F	SRE f5F5F,X

\$526F: 5F B5 B5 SRE fB5B5,X

\$5272: B5 B5 LDA fB5,X

\$5274: B5 B5 LDA fB5,X

\$5276: B5 B5 LDA fB5,X

\$5278: 5F 5F 5F SRE f5F5F,X

\$527B: 5F 5F 5F SRE f5F5F,X

\$527E: 5F 5A 55 SRE f555A,X

\$5281: 56 57 LSR f57,X

\$5283: 5F 77 7F SRE f7F77,X

b5288 =\*+\$02

\$5286: 7F 7F 55 RRA f557F,X

\$5289: 55 55 EOR f55,X

\$528B: 51 51 EOR (p51),Y

\$528D: C1 F0 CMP (pF0,X)

\$528F: F0 21 BEQ b52B2

\$5291: 21 A1 AND (pA1,X)

\$5293: AC 78 5B LDY a5B78

\$5296: 5E 42 55 LSR f5542,X

\$5299: B4 BA LDY fBA,X

\$529B: EA NOP

\$529C: 63 68 RRA (p68,X)

\$529E: 7E 5A 55 ROR f555A,X

\$52A1: 14 C3 NOP fC3,X

\$52A3: BE 33 B1 LDX fB133,Y

\$52A6: F1 CE SBC (pCE),Y



\$52A8: 7A NOP  
\$52A9: EC A7 BB CPX aBBA7  
\$52AC: DD 55 55 CMP a5555,X  
\$52AF: 55 F1 EOR ff1,X  
b52B2 =\*+\$01  
\$52B1: 21 EC AND (pEC,X)  
\$52B3: 78 SEI  
\$52B4: 59 5D 55 EOR f555D,Y  
\$52B7: 55 40 EOR f40,X  
\$52B9: BF BF EF LAX fEFBF,Y  
\$52BC: F0 CA BEQ b5288  
\$52BE: AA TAX  
\$52BF: F6 00 INC f00,X  
\$52C1: F8 SED  
\$52C2: F8 SED  
\$52C3: EC 3C C0 CPX aC03C  
\$52C6: A8 TAY  
\$52C7: 4C 40 BF JMP fBF40  
  
\$52CA: BF EF F8 LAX ff8EF,Y  
\$52CD: FE FA F2 INC ff2FA,X  
\$52D0: 00 F8 BRK #F8  
\$52D2: F8 SED  
\$52D3: EC 3C CC CPX aCC3C  
\$52D6: 8C 0C 55 STY a550C

\$52D9: 55 55	EOR f55,X
\$52DB: 55 55	EOR f55,X
\$52DD: 55 55	EOR f55,X
\$52DF: 55 55	EOR f55,X
\$52E1: 55 65	EOR f65,X
\$52E3: E9 D9	SBC #D9
\$52E5: D9 98 A4	CMP fA498,Y
\$52E8: 5B 5B 5B	SRE f5B5B,Y
\$52EB: 5C 55 55	NOP a5555,X
\$52EE: 55 55	EOR f55,X
\$52F0: C0 C0	CPY #C0
\$52F2: C0 C1	CPY #C1
\$52F4: C5 55	CMP a55
\$52F6: 55 55	EOR f55,X
\$52F8: 55 55	EOR f55,X
\$52FA: 55 57	EOR f57,X
\$52FC: 57 57	SRE f57,X
\$52FE: 56 56	LSR f56,X

f5301 =\*+\$01

\$5300: 55 45	EOR f45,X
\$5302: 81 A5	STA (pA5,X)
\$5304: 82 B2	NOP #B2
\$5306: AE 6A 58	LDX a586A
\$5309: 68	PLA
\$530A: 58	CLI

\$530B: 18	CLC
\$530C: C8	INY
\$530D: 88	DEY
\$530E: AC BC 5A	LDY a5ABC
\$5311: 5E 56 56	b5311 LSR f5656,X
\$5314: 56 56	LSR f56,X
\$5316: 5F 5F F5	SRE ff55F,X
\$5319: C5 C5	CMP aC5
\$531B: C5 C5	CMP aC5
\$531D: C5 C5	CMP aC5
	a5320 =*+\$01
\$531F: 15 51	ORA f51,X
\$5321: 60	RTS
\$5322: 69 6C	ADC #\$6C
\$5324: 6C 6E 6E	JMP (p6E6E)
\$5327: 6A	ROR
\$5328: 55 55	EOR f55,X
\$532A: 54 58	NOP f58,X
\$532C: 08	PHP
\$532D: 88	DEY
\$532E: 88	DEY
\$532F: B8	CLV
\$5330: 7A	NOP

\$5331: 7A	NOP
\$5332: 7A	NOP
\$5333: 6A	ROR
\$5334: 6A	ROR
\$5335: EB AD	SBC #AD
\$5337: BD ED A1	LDA fA1ED,X
\$533A: B5 D5	LDA fD5,X
\$533C: 15 15	ORA f15,X
\$533E: 55 55	EOR f55,X
\$5340: 55 55	EOR f55,X
\$5342: 55 55	EOR f55,X
\$5344: 55 55	EOR f55,X
\$5346: 56 56	LSR f56,X
a5349 =*+\$01	
\$5348: 55 57	EOR f57,X
\$534A: 7A	NOP
\$534B: E9 B1	SBC #B1
\$534D: F1 B1	SBC (pB1),Y
\$534F: B1 42	LDA (p42),Y
\$5351: BB AA AA	LAS fAAAA,Y
\$5354: EA	a5354 NOP
\$5355: 7B 5D 55	RRA f555D,Y
\$5358: B1 B1	LDA (pB1),Y
\$535A: C5 C5	CMP aC5
\$535C: C0 BF	CPY #BF

f535F =\*+\$01

\$535E: B9 ED 55 LDA f55ED,Y

\$5361: 55 45 EOR f45,X

\$5363: F0 AC BEQ b5311

\$5365: EF 6E 6A ISC a6A6E

\$5368: 55 55 EOR f55,X

\$536A: 55 55 EOR f55,X

\$536C: 15 00 ORA f00,X

f536F =\*+\$01

\$536E: FC BC 7A NOP f7ABC,X

\$5371: 79 5A 5B ADC f5B5A,Y

\$5374: 6C 6A 7F JMP (p7F6A)

\$5377: 55 68 EOR f68,X

\$5379: 88 DEY

\$537A: D5 55 CMP f55,X

\$537C: 15 55 f537C ORA f55,X

\$537E: 55 55 EOR f55,X

\$5380: 55 57 EOR f57,X

\$5382: 57 57 SRE f57,X

\$5384: 56 56 LSR f56,X

\$5386: 5E 5A 15 LSR f155A,X

\$5389: 15 15 ORA f15,X

\$538B: 05 C5 ORA aC5

\$538D: C1 80 CMP (p80,X)

\$538F: BC 7A 69	LDY f697A,X
\$5392: EE B6 85	INC a85B6
\$5395: 81 A5	STA (pA5,X)
\$5397: 95 BC	STA fBC,X
\$5399: 78	SEI
\$539A: 98	TYA
\$539B: D8	CLD
\$539C: 68	PLA
\$539D: 58	CLI
\$539E: 5C 55 55	NOP a5555,X
\$53A1: 51 71	EOR (p71),Y
\$53A3: EE AA BA	INC aBAAA
\$53A6: B6 D9	LDX fD9,Y
b53A9	=*+\$01
\$53A8: 54 54	NOP f54,X
\$53AA: 0C 8C BC	NOP aBC8C
\$53AD: BD B1 B1	LDA fB1B1,X
\$53B0: 5A	NOP
\$53B1: 5E 56 55	LSR f5556,X
\$53B4: 57 5A	SRE f5A,X
\$53B6: 56 5B	LSR f5B,X
\$53B8: B1 B5	LDA (pB5),Y
\$53BA: 85 85	STA a85
\$53BC: 85 D5	STA aD5
\$53BE: 15 55	ORA f55,X

\$53C0: 51 60	EOR (p60),Y
\$53C2: EC 7B 5B	CPX a5B7B
\$53C5: 5F 5E 5A	SRE f5A5E,X
\$53C8: 55 55	EOR f55,X
\$53CA: 15 15	ORA f15,X
\$53CC: 15 05	ORA f05,X
\$53CE: C5 C5	CMP aC5
\$53D0: 5A	NOP
\$53D1: 5A	NOP
\$53D2: 5B 56 56	SRE f5656,Y
\$53D5: E2 6A	NOP #56A
\$53D7: 5B C0 F3	SRE ff3C0,Y
\$53DA: FF FF FE	ISC fFEFF,X
\$53DD: B9 65 55	LDA f5565,Y
\$53E0: 55 55	EOR f55,X
\$53E2: 57 57	SRE f57,X
\$53E4: 55 C5	EOR fC5,X
\$53E6: 86 82	STX a82
\$53E8: 55 05	EOR f05,X
\$53EA: B1 B1	LDA (pB1),Y
\$53EC: 71 B1	ADC (pB1),Y
\$53EE: B1 B1	LDA (pB1),Y
\$53F0: B2	JAM
\$53F1: 6A	ROR
\$53F2: 6A	ROR

\$53F3: 56 57	LSR f57,X
\$53F5: 55 55	EOR f55,X
\$53F7: 55 B1	EOR fB1,X
\$53F9: B1 F0	LDA (pF0),Y
\$53FB: FC FC BF	NOP fBFFC,X
\$53FE: FF F7 55	ISC f55F7,X
\$5401: 54 50	NOP f50,X
\$5403: 50 A4	a5403 BVC b53A9
\$5405: AA	TAX
\$5406: EA	NOP
\$5407: FA	NOP
\$5408: 55 55	EOR f55,X
\$540A: 11 10	ORA (p10),Y
\$540C: 4F AB AB	SRE aABAB
\$540F: BD 5A 50	LDA f505A,X
\$5412: 50 5A	BVC b546E
\$5414: 5F 5F 5F	SRE f5F5F,X
\$5417: 55 BC	EOR fBC,X
b541A =*+\$01	
\$5419: 2C 3D 95	BIT a953D
\$541C: 15 15	ORA f15,X
\$541E: 55 55	EOR f55,X
\$5420: 55 54	EOR f54,X
\$5422: 50 70	BVC b5494
\$5424: 71 7A	ADC (p7A),Y



\$5426: 5A NOP  
\$5427: 47 55 SRE a55  
a542A =\*+\$01  
\$5429: 55 11 EOR f11,X  
\$542B: 10 0F BPL b543C  
\$542D: 4F 9F BF SRE aBF9F  
\$5430: 43 63 SRE (p63,X)  
\$5432: 5B 46 70 SRE f7046,Y  
\$5435: 55 55 EOR f55,X  
\$5437: 55 FD EOR fFD,X  
\$5439: DC B0 F0 NOP ff0B0,X  
\$543C: CC 3D 75 b543C CPY a753D  
\$543F: 55 55 EOR f55,X  
\$5441: 54 50 NOP f50,X  
\$5443: 64 69 NOP a69  
\$5445: 6A ROR  
\$5446: 6A ROR  
\$5447: 7E 55 55 ROR a5555,X  
\$544A: 11 C0 ORA (pC0),Y  
\$544C: 30 CC BMI b541A  
s544F =\*+\$01  
j5450 =\*+\$02  
\$544E: FF 7F 5F a544E ISC f5F7F,X  
\$5451: 4F 4E 5B SRE a5B4E  
\$5454: 77 51 RRA f51,X

\$5456: 55 55	EOR f55,X
\$5458: 7D 74 D0	ADC fD074,X
\$545B: F1 C1	SBC (pC1),Y
\$545D: 31 F5	AND (pF5),Y
\$545F: 55 55	EOR f55,X
\$5461: 54 50	NOP f50,X
\$5463: A3 A0	LAX (pA0,X)
\$5465: EB EB	SBC #EB
\$5467: FE 55 55	INC a5555,X
\$546A: 11 00	ORA (p00),Y
\$546C: C0 10	CPY #10
\$546E: F0 3C	b546E BEQ b54AC
\$5470: E9 B7	SBC #B7
\$5472: 67 3D	RRA a3D
\$5474: C7 5F	DCP a5F
\$5476: 57 57	SRE f57,X
\$5478: DC F0 F1	NOP fF1F0,X
\$547B: F1 51	SBC (p51),Y
\$547D: C5 D5	a547D CMP aD5
\$547F: 55 55	EOR f55,X
\$5481: 54 50	NOP f50,X
\$5483: AC A3 EC	LDY aECA3
\$5486: EF EB 55	ISC a55EB
\$5489: 55 11	EOR f11,X
\$548B: C0 24	CPY #24

\$548D: E8 INX  
\$548E: E8 INX  
\$548F: AC BA FC LDY aFCBA  
b5494 =\*+\$02  
\$5492: FC FF 33 NOP f33FF,X  
\$5495: 4F 5F 55 SRE f555F  
\$5498: BC 3C 3C LDY f3C3C,X  
\$549B: 2C 3C 3D BIT a3D3C  
\$549E: 55 55 EOR f55,X  
\$54A0: 55 54 EOR f54,X  
\$54A2: 50 53 BVC b54F7  
\$54A4: 5C 53 5F NOP f5F53,X  
\$54A7: F6 55 INC f55,X  
\$54A9: 55 01 EOR f01,X  
b54AC =\*+\$01  
\$54AB: 10 24 BPL b54D1  
\$54AD: A8 TAY  
\$54AE: B8 CLV  
\$54AF: F8 SED  
\$54B0: F3 F3 ISC (pF3),Y  
\$54B2: F3 05 ISC (p05),Y  
\$54B4: 7C 55 55 NOP a5555,X  
\$54B7: 55 B0 EOR fB0,X  
\$54B9: C0 54 b54B9 CPY #54  
\$54BB: 70 FC BVS b54B9

\$54BD: 7D 75 55      ADC f5575,X

\$54C0: 55 54      EOR f54,X

\$54C2: 50 5C      BVC b5520

\$54C4: 70 4E      BVS b5514

    b54C8    =\*+\$02

\$54C6: 5E FA 55      LSR f55FA,X

\$54C9: 55 11      EOR f11,X

\$54CB: 00 90      BRK #90

\$54CD: A0 A0      LDY #A0

\$54CF: F0 F7      BEQ b54C8

\$54D1: F3 0E    b54D1    ISC (p0E),Y

\$54D3: 5F 7C 55      SRE f557C,X

\$54D6: 55 55      EOR f55,X

\$54D8: E0 C0      CPX #C0

\$54DA: C0 60    b54DA    CPY #60

\$54DC: F0 FC      BEQ b54DA

\$54DE: 7D 55 55      ADC a5555,X

\$54E1: 54 50      NOP f50,X

\$54E3: 50 51      BVC b5536

\$54E5: 5A      NOP

\$54E6: 5A      NOP

\$54E7: 5F 55 55      SRE a5555,X

\$54EA: 01 10      ORA (p10,X)

\$54EC: 24 AC      BIT aAC

\$54EE: AC 80 7F      LDY a7F80

\$54F1: ED FD 74      SBC a74FD  
\$54F4: 5D 55 55      EOR a5555,X  
\$54F7: 55 00    b54F7    EOR f00,X  
          b54FA    =\*+\$01  
          b54FB    =\*+\$02  
\$54F9: 20 90 00      JSR e0090  
\$54FC: 30 FC      BMI b54FA  
          f54FF    =\*+\$01  
\$54FE: 7D 55 55      ADC a5555,X  
          f5503    =\*+\$02  
\$5501: 5D 5F 7F      EOR f7F5F,X  
\$5504: 7F FF FF      RRA fFFFF,X ;IRQ  
\$5507: F7 14      ISC f14,X  
\$5509: 30 F0      BMI b54FB  
          a550C    =\*+\$01  
\$550B: FC F4 F4      NOP ff4F4,X  
\$550E: DF 5F F7      DCP ff75F,X  
\$5511: D7 F7      DCP ff7,X  
          b5514    =\*+\$01  
\$5513: CF 5F 57      DCP f575F  
\$5516: 57 55      SRE f55,X  
\$5518: FF FF FF      ISC fFFFF,X ;IRQ  
\$551B: 7F 73 C7      RRA fc773,X  
\$551E: D5 55      CMP f55,X  
          f5522    =\*+\$02

\$5520: 5F 7F 77 b5520 SRE f777F,X

\$5523: F7 FD ISC fFD,X

\$5525: CF 5F 5F DCP f5F5F

\$5528: 55 55 EOR f55,X

\$552A: 74 FF NOP fFF,X

\$552C: FF F7 FD ISC fFDF7,X

\$552F: FF 5F 7F ISC f7F5F,X

\$5532: 7D 7C 53 ADC f537C,X

b5536 =\*+\$01

\$5535: 57 57 SRE f57,X

\$5537: 55 7F EOR f7F,X

\$5539: 77 F4 RRA fF4,X

\$553B: DC F0 C1 NOP fC1F0,X

\$553E: 05 55 ORA a55

\$5540: 55 54 EOR f54,X

\$5542: 5F 7F F5 f5542 SRE ff57F,X

\$5545: 7F FD FD RRA aFDFD,X

\$5548: 55 01 EOR f01,X

\$554A: C5 C1 s554A CMP aC1

\$554C: F0 F4 BEQ f5542

a554F =\*+\$01

\$554E: FC FF F5 a554E NOP ff5FF,X

\$5551: FF FF FF ISC fFFFF,X ;IRQ

a5555 =\*+\$01

\$5554: C3 50 DCP (p50,X)

f5557 =\*+\$01

\$5556: 54 55 f5556 NOP f55,X

f555A =\*+\$02

\$5558: EF FF F4 ISC aF4FF

f555C =\*+\$01

f555D =\*+\$02

\$555B: 7F DC C1 RRA fC1DC,X

f555F =\*+\$01

\$555E: 01 55 ORA (p55,X)

\$5560: 55 55 EOR f55,X

\$5562: 55 54 EOR f54,X

f5565 =\*+\$01

\$5564: 7D 7D 7F ADC f7F7D,X

\$5567: FF 55 50 ISC f5055,X

\$556A: FC FF FF a556A NOP fFFFF,X ;IRQ

\$556D: FF 74 FC ISC fFC74,X

\$5570: DF F7 F7 DCP ff7F7,X

f5575 =\*+\$02

\$5573: FF F3 F1 ISC ff1F3,X

\$5576: 70 71 BVS b55E9

\$5578: F8 SED

f557B =\*+\$02

\$5579: BC FC 40 LDY f40FC,X

f557D =\*+\$01

\$557C: DC FC F1 f557C NOP aF1FC,X

\$557F: 55 55	f557F EOR f55,X
\$5581: 71 F3	ADC (pF3),Y
\$5583: F7 F7	ISC fF7,X
\$5585: F7 C7	ISC fC7,X
\$5587: FD 5C 5C	SBC f5C5C,X
\$558A: FF 7F 7F	ISC f7F7F,X
\$558D: 73 70	RRA (p70),Y
\$558F: 7C 7F 7B	NOP f7B7F,X
\$5592: 7F 7C 7C	RRA f7C7C,X
\$5595: 5F 57 55	SRE f5557,X
\$5598: FC EC FC	NOP fFCEC,X
\$559B: 3C 3C F1	NOP aF13C,X
\$559E: C5 55	CMP a55
\$55A0: 55 55	EOR f55,X
\$55A2: 55 54	EOR f54,X
\$55A4: 7F F5 DD	RRA fDDF5,X
\$55A7: FF 55 55	ISC a5555,X
\$55AA: 55 01	EOR f01,X
\$55AC: 74 7F	NOP f7F,X
\$55AE: F7 DF	ISC fDF,X
\$55B0: EF FE DF	ISC aDFFE
\$55B3: F1 77	SBC (p77),Y
\$55B5: 7F 5F 55	RRA f555F,X
\$55B8: DF FF DF	DCP fDFFF,X
\$55BB: DF CC C1	DCP fC1CC,X



\$55BE: 15 55	ORA f55,X
\$55C0: 55 55	EOR f55,X
\$55C2: 55 54	EOR f54,X
\$55C4: 5C 5F 7F	NOP f7F5F,X
\$55C7: FF 55 55	ISC a5555,X
\$55CA: 55 40	EOR f40,X
\$55CC: FF F4 55	ISC f55F4,X
\$55CF: 7F FB FF	RRA fFFFb,X ;NMI
\$55D2: 1F FD 75	SLO f75FD,X
\$55D5: 50 55	f55D5 BVC b562C
\$55D7: 55 F7	EOR ff7,X
\$55D9: FD 5F 57	a55D9 SBC f575F,X
\$55DC: 03 00	SLO (p00,X)
\$55DE: 55 55	EOR f55,X
\$55E0: 55 55	EOR f55,X
\$55E2: 5C 7F FF	NOP fff7F,X
\$55E5: DF F7 FD	DCP fDFf7,X
	b55E9 =*+\$01
\$55E8: 55 C5	EOR fc5,X
	a55EB =*+\$01
\$55EA: F1 7C	SBC (p7C),Y
	f55ED =*+\$01
\$55EC: 5C 5F D7	NOP fd75F,X
\$55EF: F3 FD	ISC (pFD),Y
\$55F1: 7F 5F 5F	RRA f5F5F,X

f55F5 =\*+\$01

\$55F4: 57 55 f55F4 SRE f55,X

f55F7 =\*+\$01

\$55F6: 55 55 EOR f55,X

\$55F8: F0 74 BEQ b566E

\$55FA: 7C DC C1 f55FA NOP fc1DC,X

\$55FD: C5 55 b55FD CMP a55

\$55FF: 55 56 f55FF EOR f56,X

\$5601: 5A NOP

\$5602: 5A NOP

\$5603: 5A NOP

\$5604: 5A NOP

\$5605: 5A NOP

\$5606: 7E 7E 96 ROR f967E,X

\$5609: AA TAX

\$560A: A8 b560A TAY

\$560B: AC AC AC LDY aACAC

\$560E: BC BC 72 b560E LDY f72BC,X

\$5611: 73 73 RRA (p73),Y

\$5613: AF 9F 5F LAX a5F9F

\$5616: 55 55 EOR f55,X

f5619 =\*+\$01

\$5618: F0 F0 BEQ b560A

\$561A: F1 F1 SBC (pF1),Y

\$561C: F1 F1 SBC (pF1),Y

\$561E: F1 55	SBC (p55),Y
\$5620: 56 5A	LSR f5A,X
\$5622: 5A	NOP
\$5623: 5A	NOP
\$5624: 5A	NOP
\$5625: 7A	NOP
\$5626: 7A	NOP
\$5627: FA	NOP
\$5628: 95 A1	STA fA1,X
\$562A: A0 A0	LDY #A0
b562D =*+\$01	
\$562C: A2 BE	b562C LDX #\$BE
\$562E: FF FC FB	ISC fFBFC,X
\$5631: DF 9F 9F	DCP f9F9F,X
\$5634: 5F 57 55	SRE f5557,X
\$5637: 55 F0	EOR ff0,X
\$5639: C0 F0	CPY #\$F0
\$563B: F0 F0	BEQ b562D
\$563D: F1 C5	SBC (pC5),Y
\$563F: 55 56	EOR f56,X
\$5641: 5A	NOP
\$5642: 5A	NOP
\$5643: 5A	NOP
\$5644: 5A	NOP
\$5645: 5A	j5645 NOP

\$5646: 7B 7B 95 RRA f957B,Y

\$5649: A1 B0 LDA (pB0,X)

\$564B: B0 B0 BCS b55FD

\$564D: E0 F0 b564D CPX #F0

\$564F: FC 7F 6F NOP f6F7F,X

\$5652: 5F 5F 5F SRE f5F5F,X

f5656 =\*+\$01

\$5655: 7F 7F 55 RRA f557F,X

\$5658: CE F2 F0 DEC aF0F2

\$565B: F0 F0 BEQ b564D

\$565D: C0 C1 CPY #C1

\$565F: 55 56 EOR f56,X

\$5661: 5A NOP

\$5662: 5A NOP

\$5663: 5A NOP

\$5664: 5A NOP

\$5665: 5B 5F 5F SRE f5F5F,Y

\$5668: 95 A1 STA fA1,X

\$566A: E0 F0 CPX #F0

\$566C: F0 A0 BEQ b560E

\$566E: A0 E0 b566E LDY #E0

\$5670: 5F 5C 5C SRE f5C5C,X

\$5673: 7F 7F 7F RRA f7F7F,X

b5677 =\*+\$01

\$5676: 7C 55 F0 NOP fF055,X

\$5679: F0 FC        BEQ b5677  
\$567B: 38         SEC  
\$567C: 28         PLP  
\$567D: 39 55 55   b567D AND a5555,Y  
\$5680: 56 5A       LSR f5A,X  
\$5682: 5B 5B 5B    SRE f5B5B,Y  
\$5685: 5E 7E 7E    LSR f7E7E,X  
\$5688: 95 A1       STA fa1,X  
\$568A: AE EE EC    LDX aECEE  
\$568D: BC BC BC   b568D LDY aBCBC,X  
\$5690: 7E 6F 6F    ROR f6F6F,X  
\$5693: 6F 6F 6F    RRA f6F6F  
\$5696: A9 95       LDA #\$95  
\$5698: FC F0 F0    NOP ff0F0,X  
\$569B: F0 F0       BEQ b568D  
\$569D: F0 71       BEQ b5710  
\$569F: 45 56       EOR a56  
\$56A1: 5A         NOP  
\$56A2: 5E 5F 5F    LSR f5F5F,X  
\$56A5: 5A         NOP  
\$56A6: 5A         NOP  
\$56A7: 5A         NOP  
\$56A8: 95 A1       STA fa1,X  
                  b56AB =\*+\$01  
\$56AA: A0 A0       LDY #\$A0

\$56AC: BC FC F8 LDY fF8FC,X

\$56AF: C8 INY

\$56B0: 7B BF A7 RRA fA7BF,Y

\$56B3: 5F 5F 5F SRE f5F5F,X

b56B8 =\*+\$02

\$56B6: 5F 5F F0 SRE fF05F,X

\$56B9: F0 F0 BEQ b56AB

\$56BB: F0 C0 BEQ b567D

\$56BD: C1 05 CMP (p05,X)

\$56BF: 15 56 ORA f56,X

\$56C1: 5A NOP

\$56C2: 5A NOP

\$56C3: 5E 5E BB LSR fBB5E,X

\$56C6: BB 5B 95 LAS f955B,Y

\$56C9: A1 A0 LDA (pA0,X)

\$56CB: A0 A0 LDY #A0

\$56CD: A0 E0 LDY #E0

\$56CF: F0 5F BEQ b5730

b56D2 =\*+\$01

\$56D1: 5F 5F 5F SRE f5F5F,X

\$56D4: 7F 7F 7F RRA f7F7F,X

\$56D7: 5C 30 E0 NOP fE030,X

\$56DA: EC FC C0 CPX aC0FC

\$56DD: C1 05 CMP (p05,X)

\$56DF: 55 56 EOR f56,X

\$56E1: 5A	NOP
\$56E2: 5A	NOP
\$56E3: 5A	NOP
\$56E4: 5A	NOP
\$56E5: 5E 5F 5F	LSR f5F5F,X
\$56E8: 95 A1	STA fA1,X
\$56EA: A0 A0	LDY #A0
\$56EC: A0 A0	LDY #A0
\$56EE: A0 E0	LDY #E0
\$56F0: 53 5F	SRE (p5F),Y
\$56F2: 5F 7E 7F	SRE f7F7E,X
\$56F5: 7F 5C 55	RRA f555C,X
\$56F8: C0 C0	CPY #C0
\$56FA: B0 BC	BCS b56B8
\$56FC: FC 01 05	NOP f0501,X
\$56FF: 55 57	EOR f57,X
\$5701: 5C 70 70	NOP f7070,X
\$5704: 70 CC	BVS b56D2
\$5706: C3 00	DCP (p00,X)
\$5708: 57 DF	SRE fDF,X
\$570A: 30 33	BMI b573F
\$570C: 33 C3	RLA (pC3),Y
\$570E: 03 0C	SLO (p0C,X)
\$5710: 0C F3 70	b5710 NOP a70F3
\$5713: 70 70	BVS b5785

\$5715: 73 5D RRA (p5D),Y  
\$5717: 55 FC EOR fFC,X  
\$5719: 30 31 BMI b574C  
\$571B: 35 D5 AND fD5,X  
\$571D: 55 55 EOR f55,X  
\$571F: 55 5D EOR f5D,X  
\$5721: 73 C0 RRA (pC0),Y  
\$5723: C0 C0 CPY #C0  
\$5725: CF 70 C0 DCP aC070  
\$5728: 55 45 EOR f45,X  
\$572A: C1 CF CMP (pCF,X)  
\$572C: F3 C1 ISC (pC1),Y

b5730 =\*+\$02

\$572E: 0C 30 70 NOP a7030  
\$5731: CF C0 C0 DCP aC0C0  
\$5734: C0 7C CPY #C7C  
\$5736: 57 55 SRE f55,X  
\$5738: C1 C1 CMP (pC1,X)  
\$573A: C1 31 CMP (p31,X)  
\$573C: 35 D5 AND fD5,X

b573F =\*+\$01

\$573E: 55 55 EOR f55,X  
\$5740: 5D 73 C0 EOR fC073,X  
\$5743: C3 73 DCP (p73,X)  
\$5745: CF C0 C0 DCP aC0C0



\$5748: 55 45 EOR f45,X  
\$574A: 41 01 EOR (p01,X)  
\$574C: 01 01 b574C ORA (p01,X)  
a574F =\*+\$01  
\$574E: FF 03 CF ISC fCF03,X  
\$5751: 73 CC RRA (pCC),Y  
\$5753: C0 C0 CPY #C0  
\$5755: 70 5C f5755 BVS b57B3  
\$5757: 57 FC f5757 SRE fFC,X  
\$5759: 00 C1 BRK #C1  
f575C =\*+\$01  
\$575B: C1 31 CMP (p31,X)  
\$575D: 35 F5 AND fF5,X  
b5760 =\*+\$01  
\$575F: 55 57 f575F EOR f57,X  
\$5761: 5C 70 70 NOP f7070,X  
\$5764: 72 JAM  
\$5765: 5F 70 70 SRE f7070,X  
\$5768: 55 D1 EOR fD1,X  
b576B =\*+\$01  
\$576A: 00 80 BRK #C80  
\$576C: C0 F0 CPY #C0  
\$576E: 30 F0 BMI b5760  
\$5770: 7C 7F 70 NOP f707F,X  
\$5773: 70 5C BVS b57D1

\$5775: 5C 57 55      NOP f5557,X

\$5778: 30 0C      BMI b5786

\$577A: CC 31 31      CPY a3131

\$577D: 35 D5      AND fD5,X

\$577F: 55 57      EOR f57,X

\$5781: 5C 70 70      NOP f7070,X

    b5785 =\*+\$01

\$5784: 4B 7F      ALR #57F

\$5786: C3 C0      b5786 DCP (pC0,X)

\$5788: 55 D1      EOR fD1,X

\$578A: 30 30      BMI b57BC

\$578C: 8C C3 03      STY a03C3

\$578F: 33 0C      RLA (p0C),Y

\$5791: 03 30      SLO (p30,X)

\$5793: 30 30      BMI b57C5

\$5795: 33 FD      RLA (pFD),Y

\$5797: D5 F3      CMP fF3,X

\$5799: 33 33      RLA (p33),Y

\$579B: 3D D5 55      AND f55D5,X

\$579E: 55 55      EOR f55,X

\$57A0: 55 57      EOR f57,X

\$57A2: 54 56      NOP f56,X

\$57A4: 57 5F      SRE f5F,X

\$57A6: 70 C3      BVS b576B

\$57A8: D5 34      CMP f34,X

\$57AA: 0C 0C 8C NOP a8C0C

\$57AD: F0 0C BEQ b57BB

\$57AF: 03 CF SLO (pCF,X)

b57B3 =\*+\$02

\$57B1: FC 5C 70 NOP f705C,X

\$57B4: 70 5F BVS b5815

\$57B6: 55 55 EOR f55,X

\$57B8: 33 F3 RLA (pF3),Y

b57BB =\*+\$01

\$57BA: 33 33 RLA (p33),Y

\$57BC: 0D F5 55 b57BC ORA f55F5

\$57BF: 55 55 EOR f55,X

\$57C1: 55 55 EOR f55,X

\$57C3: 55 FF EOR fFF,X

\$57C5: C0 CF b57C5 CPY #5CF

\$57C7: 77 75 RRA f75,X

\$57C9: CD 03 C3 CMP aC303

\$57CC: CC F3 03 CPY a03F3

\$57CF: 33 57 RLA (p57),Y

\$57D1: 55 57 b57D1 EOR f57,X

\$57D3: 57 5C SRE f5C,X

\$57D5: 5F 55 55 SRE a5555,X

\$57D8: 33 F3 RLA (pF3),Y

\$57DA: 33 33 RLA (p33),Y

\$57DC: 0F 03 F3 SLO aF303

\$57DF: 5D 55 57	EOR f5755,X
\$57E2: 5C 5C 5C	NOP f5C5C,X
\$57E5: 57 5C	SRE f5C,X
\$57E7: 5C D5 30	NOP f30D5,X
\$57EA: 0C 0C 0C	NOP a0C0C
\$57ED: CC 30 0C	CPY a0C30
\$57F0: 5C 5C 7C	NOP f7C5C,X
\$57F3: 73 5C	RRA (p5C),Y
\$57F5: 57 55	SRE f55,X
\$57F7: 55 F0	EOR ff0,X
\$57F9: CC CC 0C	CPY a0CCC
\$57FC: 03 03	SLO (p03,X)
\$57FE: CD F5 55	CMP f55F5
\$5801: 55 55	EOR f55,X
\$5803: 55 55	EOR f55,X
\$5805: 55 55	EOR f55,X
f5808 =*+\$01	
\$5807: 55 FF	EOR fff,X
\$5809: FE FE FF	INC fffFE,X ;IRQ
\$580C: FE FE FE	INC fFEFE,X
\$580F: FF FF BA	ISC fBAFF,X
\$5812: EE AB EE	INC aEEAB
\$5815: BA	b5815 TSX
\$5816: EE AB FF	INC ROM_UNTLK
\$5819: BB EF A8	LAS fA8EF,Y

\$581C: EF BB EF	ISC aEFBB
\$581F: A8	TAY
\$5820: FE FE FE	INC fFEFE,X
\$5823: FF FE FE	ISC fFEFE,X
\$5826: FE FF EE	INC fEEFF,X
\$5829: BB EF A8	LAS fA8EF,Y
\$582C: EF BB EF	ISC aEFBB
\$582F: A8	TAY
\$5830: EE FE FE	INC fFEFE
\$5833: FF FE FE	ISC fFEFE,X
\$5836: FE FF EF	INC fEFFF,X
\$5839: BB EF A8	LAS fA8EF,Y
\$583C: EF BB EF	ISC aEFBB
\$583F: A8	TAY
\$5840: EF BA EE	ISC aEEBA
\$5843: AB EE	LAX #SEE
\$5845: BA	TSX
\$5846: EE AB FE	b5846 INC aFEAB
\$5849: BA	TSX
\$584A: EE AB EE	INC aEEAB
\$584D: BA	TSX
\$584E: EE AB FE	INC aFEAB
\$5851: FF F3 FC	ISC fFCF3,X
\$5854: F3 CF	ISC (pCF),Y
\$5856: 33 FC	RLA (pFC),Y

\$5858: EE CF 33	INC a33CF
\$585B: FC 33 CF	NOP fCF33,X
\$585E: 33 FC	RLA (pFC),Y
\$5860: EF CF 33	ISC a33CF
\$5863: FC 33 CF	NOP fCF33,X
\$5866: 33 FC	RLA (pFC),Y
\$5868: 55 55	EOR f55,X
\$586A: 55 40	a586A EOR f40,X
\$586C: BF CC CC	LAX fCCCC,Y
\$586F: DD 55 51	CMP f5155,X
\$5872: 5C 33 F3	NOP ROM_CLRCHNj,X
\$5875: 73 4C	RRA (p4C),Y
\$5877: 50 57	BVC b58D0
\$5879: 5F 6F 73	SRE f736F,X
\$587C: 74 56	NOP f56,X
\$587E: 57 55	SRE f55,X
\$5880: CC 3C 30	CPY a303C
\$5883: 70 C1	BVS b5846
\$5885: C5 15	CMP a15
\$5887: 55 EB	EOR fEB,X
\$5889: AA	TAX
\$588A: 88	DEY
\$588B: A2 FB	LDX #FB
\$588D: 6B 7C	ARR #7C
\$588F: 42	JAM

\$5890: 41 68	EOR (p68,X)
\$5892: DE 6D 9A	DEC f9A6D,X
\$5895: E5 6A	SBC a6A
\$5897: F7 2F	ISC f2F,X
\$5899: AB 8B	LAX #8B
\$589B: AA	TAX
\$589C: E3 EB	ISC (pEB,X)
\$589E: BC E6 BB	LDY fBBE6,X
\$58A1: B5 E1	LDA fE1,X
\$58A3: 2C 3A 3A	BIT a3A3A
\$58A6: B9 D9 40	LDA f40D9,Y
\$58A9: BF BF EF	LAX fEFBF,Y
\$58AC: C0 8A	CPY #8A
\$58AE: AA	TAX
\$58AF: FE 00 F8	INC fF800,X
\$58B2: F8	SED
\$58B3: EC 30 C8	CPX aC830
\$58B6: A8	TAY
\$58B7: CC FA FA	CPY aFAFA
\$58BA: FA	NOP
\$58BB: FF EF BF	ISC fBFEF,X
\$58BE: BF 70 8C	LAX f8C70,Y
\$58C1: 8C BC FC	STY aFCBC
\$58C4: EC F8 F8	CPX aF8F8
\$58C7: 03 55	SLO (p55,X)

\$58C9: 50 7F	BVC b594A
\$58CB: FF FE 40	ISC f40FE,X
\$58CE: 71 76	ADC (p76),Y
\$58D0: 55 01	b58D0 EOR f01,X
\$58D2: F0 FC	BEQ b58D0
\$58D4: FD 01 B1	SBC fB101,X
\$58D7: 71 71	ADC (p71),Y
\$58D9: 71 72	ADC (p72),Y
\$58DB: 7F 7F 65	RRA f657F,X
\$58DE: 59 55 B1	EOR fB155,Y
\$58E1: 71 31	ADC (p31),Y
\$58E3: F1 F5	SBC (pF5),Y
\$58E5: 95 59	STA f59,X
\$58E7: 55 00	EOR f00,X
\$58E9: 77 25	RRA f25,X
\$58EB: 25 25	AND a25
\$58ED: 25 27	AND a27
\$58EF: 00 00	BRK #00
\$58F1: 0C 1C 3C	NOP a3C1C
\$58F4: 6C 7E 0C	JMP (p0C7E)
\$58F7: 00 00	BRK #00
\$58F9: 3C 66 3C	NOP f3C66,X
\$58FC: 66 66	ROR a66
\$58FE: 3C 00 00	NOP e0000,X



\$5901: 74 42	NOP f42,X
\$5903: 61 42	ADC (p42,X)
\$5905: 44 74	NOP a74
\$5907: 00 00	BRK # \$00
\$5909: 57 92	SRE f92,X
\$590B: 12	JAM
\$590C: 92	JAM
\$590D: 52	JAM
\$590E: 52	JAM
\$590F: 00 55	BRK # \$55
\$5911: 56 57	LSR f57,X
\$5913: 7F 77 7F	RRA f7F77,X
\$5916: 7B 7B 55	RRA f557B,Y
\$5919: 55 55	EOR f55,X
\$591B: 51 51	EOR (p51),Y
\$591D: C1 F0	CMP (pF0,X)
\$591F: F0 73	BEQ b5994
\$5921: 7C 73 7F	NOP f7F73,X
\$5924: 7F 7F 5F	RRA f5F7F,X
\$5927: 55 30	EOR f30,X
\$5929: F1 31	SBC (p31),Y
\$592B: F1 F5	SBC (pF5),Y
\$592D: F5 D5	SBC fD5,X
\$592F: 55 55	EOR f55,X
\$5931: 51 4C	EOR (p4C),Y

\$5933: 3C 3F 4F      NOP f4F3F,X

\$5936: 5F 5F 55      SRE f555F,X

\$5939: 55 55          EOR f55,X

\$593B: 15 05          ORA f05,X

\$593D: C1 E0          CMP (pE0,X)

\$593F: E6 5F          INC a5F

\$5941: 5F 57 57      SRE f5757,X

\$5944: 91 64          STA (p64),Y

\$5946: 59 56 AA      EOR fAA56,Y

    b594A   =\*\$01

\$5949: A6 A6          LDX aA6

\$594B: 96 53   j594B   STX f53,Y

\$594D: 07 17          SLO a17

\$594F: 17 5B          SLO f5B,X

\$5951: 5D 5F 5F      EOR f5F5F,X

\$5954: 5F 5F 7F      SRE f7F5F,X

\$5957: 6F 55 55      RRA a5555

    b595B   =\*\$01

\$595A: 55 55          EOR f55,X

    b595D   =\*\$01

\$595C: 55 55          EOR f55,X

\$595E: D4 F0          NOP fF0,X

\$5960: FB FF FF      ISC fFFFF,Y ;IRQ

    f5965   =\*\$02

\$5963: FF FF FF      ISC fFFFF,X ;IRQ

\$5966: 7F 5F F0 RRA fF05F,X  
\$5969: F0 F0 BEQ b595B  
\$596B: F0 F0 BEQ b595D  
\$596D: F1 C5 SBC (pC5),Y  
f5970 =\*+\$01  
\$596F: 55 7E EOR f7E,X  
\$5971: 79 79 79 ADC f7979,Y  
\$5974: 7E 5F 57 ROR f575F,X  
\$5977: 55 BC EOR fBC,X  
\$5979: 6C 6C 6C JMP (p6C6C)  
  
\$597C: BC F1 D5 LDY fD5F1,X  
\$597F: 55 55 EOR f55,X  
\$5981: 55 57 EOR f57,X  
\$5983: 57 5C SRE f5C,X  
\$5985: 5C 5C 5C NOP f5C5C,X  
\$5988: 55 55 EOR f55,X  
\$598A: C5 31 CMP a31  
\$598C: 5D 5C 57 EOR f575C,X  
\$598F: 57 5C SRE f5C,X  
\$5991: FB AA 8B ISC f8BAA,Y  
\$5994: A3 8B b5994 LAX (p8B,X)  
\$5996: ED 55 47 SBC a4755  
\$5999: 5D F1 15 EOR f15F1,X  
\$599C: 15 55 ORA f55,X

\$599E: 55 55	EOR f55,X
\$59A0: 7E BE BE	ROR fBEBE,X
\$59A3: EE EE FA	INC aFAEE
\$59A6: FE AA F5	INC ff5AA,X
\$59A9: F9 F9 ED	SBC fEDF9,Y
\$59AC: ED BD FD	SBC aFDBD
\$59AF: A9 AA	LDA #\$AA
\$59B1: FE FA EE	INC fEEFA,X
\$59B4: EE BE BE	INC fBEBE
\$59B7: 7E A9 FD	ROR fFDA9,X
\$59BA: BD ED ED	LDA fEDED,X
\$59BD: F9 F9 F5	SBC ff5F9,Y
\$59C0: 55 55	EOR f55,X
\$59C2: 55 55	EOR f55,X
\$59C4: 55 55	EOR f55,X
\$59C6: 55 5D	EOR f5D,X
\$59C8: 55 55	EOR f55,X
\$59CA: 55 55	EOR f55,X
\$59CC: 55 55	EOR f55,X
\$59CE: D5 55	CMP f55,X
\$59D0: 55 57	EOR f57,X
\$59D2: 55 55	EOR f55,X
\$59D4: 55 55	EOR f55,X
\$59D6: 55 55	EOR f55,X
\$59D8: 75 55	ADC f55,X

\$59DA: 55 55	EOR f55,X
\$59DC: 55 55	EOR f55,X
\$59DE: 55 55	EOR f55,X
\$59E0: 55 55	EOR f55,X
\$59E2: 55 00	EOR f00,X
\$59E4: EF EF EA	ISC aEAEF
\$59E7: EF 55 55	ISC a5555
\$59EA: 55 00	EOR f00,X
\$59EC: FF FF AA	ISC fAAFF,X
\$59EF: FF BF BF	ISC fBFBF,X
\$59F2: BF 55 55	LAX a5555,Y
\$59F5: 55 55	EOR f55,X
\$59F7: 55 FF	EOR fFF,X
\$59F9: FF FF 55	ISC f55FF,X
\$59FC: 55 55	EOR f55,X
\$59FE: 55 55	EOR f55,X
\$5A00: 7F FF FE	RRA fFEFF,X
\$5A03: FE FE FE	INC fFEFE,X
\$5A06: FE FE FD	INC fDFFE,X
\$5A09: EF AB AB	ISC aABAB
\$5A0C: EB AF	SBC # \$AF
\$5A0E: AB AB	LAX # \$AB
\$5A10: FF FF FF	ISC fFFFF,X ;IRQ
\$5A13: FF FF FF	ISC fFFFF,X ;IRQ
\$5A16: FF 7F AF	ISC fAF7F,X

\$5A19: FF FF FF	ISC fFFFF,X ;IRQ
\$5A1C: FF FF FF	ISC fFFFF,X ;IRQ
\$5A1F: FD 7F FF	SBC fFF7F,X
\$5A22: FE FE FE	INC fFEFE,X
\$5A25: 7E FF FE	ROR fFEFF,X
\$5A28: FD AF EF	SBC fEFAF,X
\$5A2B: AB BB	LAX # \$BB
\$5A2D: AF AB AF	LAX aAFAB
\$5A30: FF FF FF	ISC fFFFF,X ;IRQ
\$5A33: 7F FF F7	RRA fF7FF,X
\$5A36: DF 77 BF	DCP fBF77,X
\$5A39: FF FF FF	ISC fFFFF,X ;IRQ
\$5A3C: FF FD DF	ISC fDFFD,X
\$5A3F: F5 7D	SBC f7D,X
\$5A41: FF FE 7F	ISC f7FFE,X
\$5A44: 7F FF 7F	RRA f7FFF,X
\$5A47: FF FD BF	ISC fBFFD,X
\$5A4A: AF AF EF	LAX fEFAF
\$5A4D: BD AF BB	LDA fBBAF,X
\$5A50: 7F 5F 7F	RRA f7F5F,X
\$5A53: DD 7F F7	CMP fF77F,X
\$5A56: DF 77 EF	DCP fEF77,X
\$5A59: FF FF FD	ISC fDFFF,X
f5A5E =*+\$02	
\$5A5C: FD 5F F7	SBC fF75F,X

\$5A5F: 55 B5 EOR fB5,X  
\$5A61: B5 B5 LDA fB5,X  
\$5A63: B5 B5 LDA fB5,X  
\$5A65: B5 A5 LDA fA5,X  
\$5A67: F5 5F SBC f5F,X  
\$5A69: 5F 5F 5F SRE f5F5F,X  
\$5A6C: 5F 5F 5F SRE f5F5F,X  
\$5A6F: 5F B5 B5 SRE fB5B5,X  
\$5A72: B5 B5 LDA fB5,X  
\$5A74: B5 B5 LDA fB5,X  
\$5A76: B5 B5 LDA fB5,X

a5A7A =\*+\$02

\$5A78: 5F 5F 5F SRE f5F5F,X  
\$5A7B: 5F 5F 5F SRE f5F5F,X  
\$5A7E: 5F 5A 55 SRE f555A,X  
\$5A81: 56 57 LSR f57,X  
\$5A83: 5F 77 7F SRE f7F77,X

b5A88 =\*+\$02

\$5A86: 7F 7F 55 RRA f557F,X  
\$5A89: 55 55 EOR f55,X  
\$5A8B: 51 51 EOR (p51),Y  
\$5A8D: C1 F0 CMP (pF0,X)  
\$5A8F: F0 21 BEQ b5AB2  
\$5A91: 21 A1 AND (pA1,X)  
\$5A93: AC 78 5B LDY a5B78

\$5A96: 5E 42 55      LSR f5542,X  
\$5A99: B4 BA      LDY fBA,X  
\$5A9B: EA      NOP  
\$5A9C: 63 68      RRA (p68,X)  
\$5A9E: 7E 5A 55      ROR f555A,X  
\$5AA1: 14 C3      NOP fC3,X  
\$5AA3: BE 33 B1      LDX fB133,Y  
\$5AA6: F1 CE      SBC (pCE),Y  
\$5AA8: 7A      NOP  
\$5AA9: EC A7 BB      CPX aBBA7  
\$5AAC: DD 55 55      CMP a5555,X  
\$5AAF: 55 F1      EOR ff1,X  
          b5AB2 =\*+\$01  
\$5AB1: 21 EC      AND (pEC,X)  
\$5AB3: 78      SEI  
\$5AB4: 59 5D 55      EOR f555D,Y  
\$5AB7: 55 40      EOR f40,X  
\$5AB9: BF BF EF      LAX fEFBF,Y  
\$5ABC: F0 CA    a5ABC BEQ b5A88  
\$5ABE: AA      TAX  
\$5ABF: F6 00      INC f00,X  
\$5AC1: F8      SED  
\$5AC2: F8      SED  
\$5AC3: EC 3C C0      CPX aC03C  
\$5AC6: A8      TAY



\$5AC7: 4C 40 BF	JMP fBF40
\$5ACA: BF EF F8	LAX fF8EF,Y
\$5ACD: FE FA F2	INC fF2FA,X
\$5AD0: 00 F8	BRK #F8
\$5AD2: F8	SED
\$5AD3: EC 3C CC	CPX aCC3C
\$5AD6: 8C 0C 55	STY a550C
\$5AD9: 55 55	EOR f55,X
\$5ADB: 55 55	EOR f55,X
\$5ADD: 55 55	EOR f55,X
\$5ADF: 55 55	EOR f55,X
\$5AE1: 55 55	EOR f55,X
\$5AE3: D5 E5	CMP fE5,X
\$5AE5: D9 98 98	CMP f9898,Y
\$5AE8: 5B 6F 53	SRE f536F,Y
\$5AEB: 5C 5C 55	NOP f555C,X
\$5AEE: 55 55	EOR f55,X
\$5AF0: E8	INX
\$5AF1: C0 C1	CPY #C1
\$5AF3: C5 55	CMP a55
\$5AF5: 55 55	EOR f55,X
\$5AF7: 55 55	EOR f55,X
\$5AF9: 55 55	EOR f55,X
\$5AFB: 57 57	SRE f57,X

\$5AFD: 57 56	SRE f56,X
\$5AFF: 56 51	LSR f51,X
\$5B01: 60	RTS
\$5B02: 69 61	ADC #561
\$5B04: 62	JAM
\$5B05: 62	JAM
\$5B06: 6A	ROR
\$5B07: 7A	NOP
\$5B08: 55 54	EOR f54,X
\$5B0A: 58	CLI
\$5B0B: 28	PLP
\$5B0C: C8	INY
\$5B0D: 88	DEY
\$5B0E: 88	DEY
\$5B0F: A8	TAY
\$5B10: 5A	NOP
\$5B11: 5E 56 56	LSR f5656,X
\$5B14: 56 57	LSR f57,X
\$5B16: 55 55	EOR f55,X
\$5B18: F5 C5	SBC fC5,X
\$5B1A: C5 C5	CMP aC5
\$5B1C: C5 C1	CMP aC1
\$5B1E: F5 D5	SBC fD5,X
\$5B20: 54 56	NOP f56,X

\$5B22: 5A	NOP
\$5B23: 59 68 6E	EOR f6E68,Y
\$5B26: 6E 6A 55	ROR a556A
\$5B29: 15 55	ORA f55,X
\$5B2B: 55 04	EOR f04,X
\$5B2D: 86 86	STX a86
\$5B2F: 8E 7A 7A	STX a7A7A
\$5B32: 7A	NOP
\$5B33: 7A	NOP
\$5B34: 7A	NOP
\$5B35: 6B EB	ARR #5EB
\$5B37: ED EA A9	SBC aA9EA
\$5B3A: B5 D5	LDA fD5,X
\$5B3C: 15 15	ORA f15,X
\$5B3E: 15 55	ORA f55,X
\$5B40: 55 55	EOR f55,X
\$5B42: 55 55	EOR f55,X
\$5B44: 55 55	EOR f55,X
\$5B46: 56 56	LSR f56,X
\$5B48: 55 51	EOR f51,X
\$5B4A: 71 AC	ADC (pAC),Y
a5B4E	=*+502
\$5B4C: BB FE B1	LAS fB1FE,Y
\$5B4F: B1 56	LDA (p56),Y
\$5B51: 4B EA	ALR #5EA

\$5B53: AA TAX  
\$5B54: AA TAX  
\$5B55: AB FD LAX # \$FD  
\$5B57: 55 B1 EOR fB1,X  
f5B5A =\*+\$01  
\$5B59: B1 C5 LDA (pC5),Y  
\$5B5B: C5 85 f5B5B CMP a85  
f5B5E =\*+\$01  
\$5B5D: 80 BD NOP # \$BD  
\$5B5F: A9 55 LDA # \$55  
\$5B61: 55 45 EOR f45,X  
\$5B63: C0 BC CPY # \$BC  
\$5B65: AF EE 6A LAX a6AEE  
\$5B68: 55 55 EOR f55,X  
\$5B6A: 55 55 EOR f55,X  
\$5B6C: 15 05 ORA f05,X  
\$5B6E: C1 B0 CMP (pB0,X)  
\$5B70: 7A NOP  
\$5B71: 59 7A 6B EOR f6B7A,Y  
\$5B74: 6D 61 61 ADC a6161  
a5B78 =\*+\$01  
\$5B77: 75 6C ADC f6C,X  
\$5B79: B8 CLV  
\$5B7A: C8 INY  
\$5B7B: 59 55 55 a5B7B EOR a5555,Y

\$5B7E: 55 55	EOR f55,X
\$5B80: 55 55	EOR f55,X
\$5B82: 57 56	SRE f56,X
\$5B84: 56 5E	LSR f5E,X
\$5B86: 5A	NOP
\$5B87: 7A	NOP
\$5B88: 55 15	EOR f15,X
\$5B8A: 05 C5	ORA aC5
\$5B8C: C5 C1	CMP aC1
\$5B8E: B1 B0	LDA (pB0),Y
\$5B90: 6A	ROR
\$5B91: ED B6 B2	SBC aB2B6
\$5B94: A5 85	LDA a85
\$5B96: D5 55	CMP f55,X
\$5B98: BC 68 88	LDY f8868,X
\$5B9B: D8	CLD
\$5B9C: 58	CLI
\$5B9D: 58	CLI
\$5B9E: 68	PLA
\$5B9F: 59 55 55	EOR a5555,Y
\$5BA2: 51 72	EOR (p72),Y
\$5BA4: EA	NOP
\$5BA5: AA	TAX
\$5BA6: B6 89	LDX f89,Y
\$5BA8: 55 55	EOR f55,X

\$5BAA: 05 80	ORA a80
\$5BAC: BF BC BC	LAX aBCBC,Y
\$5BAF: BD 9A 5E	LDA f5E9A,X
\$5BB2: 56 55	LSR f55,X
\$5BB4: 54 5F	NOP f5F,X
\$5BB6: 56 56	LSR f56,X
\$5BB8: B1 B5	LDA (pB5),Y
\$5BBA: 85 85	STA a85
\$5BBC: 85 95	STA a95
\$5BBE: D5 55	CMP f55,X
\$5BC0: 55 41	EOR f41,X
\$5BC2: 7C AB FB	NOP fFBAB,X
\$5BC5: 5F 5E 5A	SRE f5A5E,X
\$5BC8: 55 55	EOR f55,X
\$5BCA: 55 15	EOR f15,X
\$5BCC: 15 05	ORA f05,X
\$5BCE: C5 C5	CMP aC5
\$5BD0: 5A	NOP
\$5BD1: 5A	NOP
\$5BD2: 5B 56 56	SRE f5656,Y
\$5BD5: 42	JAM
\$5BD6: FA	NOP
\$5BD7: 6A	ROR
\$5BD8: C1 F0	CMP (pF0,X)

f5BDB =\*+\$01

\$5BDA: FC FF FF      NOP fFFFF,X ;IRQ  
\$5BDD: EE D9 55      INC a55D9  
\$5BE0: 55 55      EOR f55,X  
\$5BE2: 55 55      EOR f55,X  
\$5BE4: 51 61      EOR (p61),Y  
\$5BE6: 62      JAM  
\$5BE7: 62      JAM  
\$5BE8: 85 B1      STA aB1  
\$5BEA: E1 61      SBC (p61,X)  
\$5BEC: 71 B1      ADC (pB1),Y  
\$5BEE: B1 B1      LDA (pB1),Y  
\$5BF0: 6E 7A 5A      ROR a5A7A  
\$5BF3: 56 56      LSR f56,X  
\$5BF5: 57 55      SRE f55,X  
\$5BF7: 55 B1      EOR fB1,X  
\$5BF9: B1 F1      LDA (pF1),Y  
\$5BFB: F1 F0      a5BFB SBC (pF0),Y  
\$5BFD: BC BF FD      LDY fFDBF,X  
\$5C00: 55 54      f5C00 EOR f54,X  
\$5C02: 50 50      BVC b5C54  
\$5C04: 64 AA      NOP aAA  
\$5C06: FA      b5C06 NOP  
\$5C07: FA      NOP  
\$5C08: 55 54      EOR f54,X  
\$5C0A: 1F 0F 6B      SLO f6B0F,X

b5C0E =\*+\$01

\$5C0D: A9 AC LDA #5AC  
\$5C0F: AC FA F0 LDY aF0FA  
\$5C12: B0 FA BCS b5C0E  
\$5C14: 57 57 SRE f57,X  
\$5C16: 57 55 SRE f55,X  
\$5C18: BD 05 05 LDA f0505,X  
\$5C1B: 85 C5 b5C1B STA aC5  
\$5C1D: C5 D5 CMP aD5  
\$5C1F: 55 55 EOR f55,X  
\$5C21: 54 50 NOP f50,X  
\$5C23: 70 E1 b5C23 BVS b5C06  
\$5C25: EA NOP  
\$5C26: EA NOP  
\$5C27: 8B 51 XAA #51  
\$5C29: 50 1F BVC b5C4A  
\$5C2B: 0F 0F 4D SLO a4D0F  
\$5C2E: 9D FC C3 STA fC3FC,X  
\$5C31: 60 RTS  
  
\$5C32: 5A NOP  
\$5C33: 45 5F EOR a5F  
\$5C35: 7F 7D 55 RRA f557D,X  
\$5C38: F4 EC NOP fEC,X  
\$5C3A: FC 44 0D NOP f0D44,X



\$5C3D: 15 55      ORA f55,X  
\$5C3F: 55 55      EOR f55,X  
\$5C41: 54 60      NOP f60,X  
\$5C43: A4 A9      LDY aA9  
\$5C45: EA          NOP  
\$5C46: EA          NOP  
\$5C47: 9F 55 55      AHX a5555,Y  
\$5C4A: 10 CF      b5C4A BPL b5C1B  
\$5C4C: 3F CF FC      RLA fFCCF,X  
\$5C4F: 7C FF 4F      NOP f4FFF,X  
      b5C54    =\*+\$02  
\$5C52: 4E 57 7C      LSR a7C57  
\$5C55: FD F5 55      SBC f55F5,X  
\$5C58: 74 F0      NOP fF0,X  
      s5C5B    =\*+\$01  
\$5C5A: F1 D1      SBC (pD1),Y  
\$5C5C: 71 55      f5C5C ADC (p55),Y  
      f5C5F    =\*+\$01  
\$5C5E: 55 55      EOR f55,X  
\$5C60: 55 54      EOR f54,X  
\$5C62: 50 63      BVC b5CC7  
\$5C64: 60          RTS  
  
\$5C65: AB AB      LAX #AB  
\$5C67: BE 55 55      LDX a5555,Y

\$5C6A: 11 00       ORA (p00),Y  
\$5C6C: C0 00   b5C6C CPY # \$00  
\$5C6E: F0 FC       BEQ b5C6C  
\$5C70: 3B 0F 63     RLA f630F,Y  
\$5C73: 7C FC F1     NOP aF1FC,X  
\$5C76: 75 55       ADC f55,X  
\$5C78: FC FC FD     NOP fFDfC,X  
\$5C7B: 31 F1       AND (pF1),Y  
\$5C7D: 55 55       EOR f55,X  
\$5C7F: 55 55       EOR f55,X  
\$5C81: 54 50       NOP f50,X  
\$5C83: 5C 63 AC     NOP fAC63,X  
\$5C86: AF EB 55     LAX a55EB  
\$5C89: 55 01       EOR f01,X  
\$5C8B: E8       b5C8B INX  
\$5C8C: 28       PLP  
\$5C8D: EC EC AC     CPX aACEC  
\$5C90: FA       NOP  
\$5C91: F0 90       BEQ b5C23  
\$5C93: FC FC FD     NOP fFDfC,X  
\$5C96: FD 31 9D     SBC f9D31,X  
\$5C99: 11 71       ORA (p71),Y  
\$5C9B: F1 F1       SBC (pF1),Y  
\$5C9D: F1 F5       SBC (pF5),Y  
\$5C9F: 55 55       EOR f55,X

\$5CA1: 54 50	NOP f50,X
\$5CA3: 53 5C	SRE (p5C),Y
\$5CA5: F3 FF	ISC (pFF),Y
\$5CA7: FE 55 55	INC a5555,X
\$5CAA: 01 10	ORA (p10,X)
\$5CAC: 24 AC	BIT aAC
\$5CAE: AC AC FD	LDY aFDAC
\$5CB1: 30 46	BMI b5CF9
\$5CB3: 55 57	EOR f57,X
\$5CB5: 5F 5F 57	SRE f575F,X
\$5CB8: 78	SEI
\$5CB9: FC 3C 70	NOP f703C,X
\$5CBC: CC C5 15	CPY a15C5
\$5CBF: 55 55	EOR f55,X
\$5CC1: 54 50	NOP f50,X
\$5CC3: 5C F0 CE	NOP fCEF0,X
b5CC7	=*+\$01
\$5CC6: FE FA 55	INC f55FA,X
\$5CC9: 55 11	EOR f11,X
\$5CCB: 00 90	BRK #90
\$5CCD: A0 A0	LDY #A0
\$5CCF: F0 37	BEQ b5D08
\$5CD1: 41 50	EOR (p50,X)
\$5CD3: 5B 5F 7F	SRE f7F5F,Y
\$5CD6: 7C 5D D0	b5CD6 NOP fd05D,X

\$5CD9: F0 B0	BEQ b5C8B
\$5CDB: D0 71	BNE b5D4E
\$5CDD: 15 55	ORA f55,X
\$5CDF: 55 55	EOR f55,X
\$5CE1: 54 50	NOP f50,X
\$5CE3: F0 F1	BEQ b5CD6
\$5CE5: FA	NOP
\$5CE6: 3A	NOP
\$5CE7: 4F 55 55	SRE a5555
\$5CEA: 01 10	ORA (p10,X)
\$5CEC: 20 A0 A0	JSR sA0A0
\$5CEF: 80 5F	NOP #5F
\$5CF1: 5F 52 5F	SRE f5F52,X
\$5CF4: 5D 7F 7C	EOR f7C7F,X
	b5CF9 =*+\$02
\$5CF7: 5D C0 E0	EOR fE0C0,X
\$5CFA: D0 01	BNE b5CFD
	b5CFD =*+\$01
\$5CFC: C5 15	CMP a15
\$5CFE: 55 55	EOR f55,X
\$5D00: 55 5D	EOR f5D,X
\$5D02: 5F 7F 7F	f5D02 SRE f7F7F,X
\$5D05: 7F 7F 7F	RRA f7F7F,X
\$5D08: 14 30	b5D08 NOP f30,X
\$5D0A: F0 FC	BEQ b5D08

\$5D0C: F7 F7	ISC fF7,X
\$5D0E: DF 7F F7	DCP ff77F,X
\$5D11: F7 F7	ISC fF7,X
\$5D13: F7 CF	ISC fCF,X
\$5D15: C3 57	DCP (p57,X)
\$5D17: 55 FF	EOR fFF,X
\$5D19: FF FF 73	ISC f73FF,X
\$5D1C: 71 C5	ADC (pC5),Y
\$5D1E: D5 55	CMP f55,X
\$5D20: 55 57	EOR f57,X
\$5D22: 5F 7D 7D	SRE f7D7D,X
\$5D25: F7 CF	ISC fCF,X
\$5D27: CF 55 55	DCP a5555
\$5D2A: 74 FF	NOP fFF,X
\$5D2C: FF F7 FF	ISC fFFF7,X
\$5D2F: F7 4F	ISC f4F,X
\$5D31: 7F 7D 7C	RRA f7C7D,X
\$5D34: 50 55	BVC b5D8B
\$5D36: 55 55	EOR f55,X
\$5D38: 74 DC	NOP fDC,X
\$5D3A: D0 70	BNE b5DAC
\$5D3C: D1 D5	CMP (pD5),Y
\$5D3E: 55 55	EOR f55,X
\$5D40: 55 55	EOR f55,X
\$5D42: 55 40	b5D42 EOR f40,X

\$5D44: FD 7F FD      SBC fFD7F,X  
\$5D47: FD 55 55      SBC a5555,X  
          b5D4B    =\*+\$01  
\$5D4A: 55 11      EOR f11,X  
\$5D4C: 30 F4      BMI b5D42  
\$5D4E: FC FF FF    b5D4E NOP fFFFF,X ;IRQ  
\$5D51: FF F5 D5      ISC fD5F5,X  
\$5D54: 40          RTI  
  
\$5D55: 50 54    f5D55 BVC b5DAB  
\$5D57: 55 EF      EOR fEF,X  
\$5D59: F0 F0      BEQ b5D4B  
          f5D5C    =\*+\$01  
\$5D5B: 7F 1C 01      RRA f011C,X  
\$5D5E: 01 55    f5D5E ORA (p55,X)  
\$5D60: 55 55      EOR f55,X  
\$5D62: 55 54      EOR f54,X  
\$5D64: 7D DD DF      ADC fDFDD,X  
\$5D67: F7 55      ISC f55,X  
\$5D69: 55 55      EOR f55,X  
\$5D6B: 00 FC      BRK #FC  
\$5D6D: FF 77 FF      ISC fFF77,X  
\$5D70: F7 FF      ISC fFF,X  
\$5D72: F7 F7      ISC fF7,X  
\$5D74: 73 53      RRA (p53),Y

a5D77 =\*+\$01

\$5D76: 54 55 NOP f55,X

\$5D78: F8 SED

\$5D79: BC F0 00 LDY f00F0,X

\$5D7C: 0C FC F1 NOP aF1FC

\$5D7F: 55 71 EOR f71,X

\$5D81: F1 F3 SBC (pF3),Y

\$5D83: FF F7 C7 ISC fC7F7,X

\$5D86: 47 7D SRE a7D

\$5D88: 55 5D EOR f5D,X

b5D8B =\*+\$01

\$5D8A: CC 7F 7F CPY f7F7F

\$5D8D: 7F 73 7F RRA f7F73,X

\$5D90: 7F 7B 7F RRA f7F7B,X

\$5D93: 70 70 BVS b5E05

\$5D95: 70 5C BVS b5DF3

\$5D97: 57 FC SRE fFC,X

\$5D99: EC FC 0C CPX a0CFC

\$5D9C: 0C 0C 31 NOP a310C

\$5D9F: C5 55 CMP a55

\$5DA1: 55 5D EOR f5D,X

\$5DA3: 7F FD F5 RRA fF5FD,X

\$5DA6: DD FF 55 CMP f55FF,X

\$5DA9: 55 01 EOR f01,X

b5DAC =\*+\$01

\$5DAB: 00 F4	b5DAB BRK #F4
\$5DAD: FC F4 D7	NOP fd7F4,X
\$5DB0: EF FE CF	ISC aCFFE
\$5DB3: C0 F3	CPY #F3
\$5DB5: 7F 5F 55	RRA f555F,X
\$5DB8: DF DF FF	DCP \$FFDF,X
\$5DBB: DF CF CF	DCP fCFCF,X
\$5DBE: 1C 5C 55	NOP f555C,X
\$5DC1: 55 55	EOR f55,X
\$5DC3: 57 5C	SRE f5C,X
\$5DC5: 5F 7F FF	SRE fFF7F,X
\$5DC8: 55 40	EOR f40,X
\$5DCA: FC FF F4	NOP aF4FF,X
\$5DCD: D4 55	NOP f55,X
\$5DCF: 7F FB 0F	RRA f0FFB,X
\$5DD2: 0F FF 7F	SLO f7FFF
\$5DD5: 53 55	SRE (p55),Y
\$5DD7: 55 57	EOR f57,X
\$5DD9: 7F FF FF	RRA fFFFF,X ;IRQ
\$5DDC: C3 00	DCP (p00,X)
\$5DDE: 55 55	EOR f55,X
\$5DE0: 55 55	EOR f55,X
\$5DE2: 5C 7F 7F	NOP f7F7F,X
\$5DE5: FF DF F7	ISC fF7DF,X
\$5DE8: F5 FC	SBC fFC,X



\$5DEA: FC 7F 5F      NOP f5F7F,X

    b5DEE   =\*\$01

\$5DED: 5F D3 F0      SRE fF0D3,X

\$5DF0: FD FD 7F      SBC f7FFD,X

\$5DF3: 7F 5F 57   b5DF3   RRA f575F,X

\$5DF6: 55 55      EOR f55,X

\$5DF8: F0 F4      BEQ b5DEE

\$5DFA: 7C 1C 41      NOP f411C,X

\$5DFD: C1 C5   b5DFD   CMP (pC5,X)

    f5E00   =\*\$01

\$5DFF: 55 56   f5DFF   EOR f56,X

\$5E01: 5A      NOP

\$5E02: 5A      NOP

\$5E03: 5A      NOP

\$5E04: 5A      NOP

\$5E05: 5A   b5E05   NOP

    f5E07   =\*\$01

\$5E06: 7E 7E 95      ROR f957E,X

\$5E09: A1 A2      LDA (pA2,X)

\$5E0B: AA      TAX

\$5E0C: A8      TAY

    b5E0E   =\*\$01

\$5E0D: AC BC BC      LDY aBCBC

\$5E10: 7E 7F 5F      ROR f5F7F,X

\$5E13: 5F 5F 5F      SRE f5F5F,X

\$5E16: 5F 57 FC	SRE fFC57,X
\$5E19: FC F0 F0	NOP fF0F0,X
\$5E1C: C1 C5	CMP (pC5,X)
\$5E1E: 15 55	ORA f55,X
\$5E20: 56 5A	LSR f5A,X
\$5E22: 5A	NOP
\$5E23: 5A	NOP
\$5E24: 5A	NOP
\$5E25: 7A	NOP
\$5E26: 7A	NOP
\$5E27: 7A	NOP
\$5E28: 95 A1	STA fA1,X
\$5E2A: A0 A0	LDY #A0
\$5E2C: A0 BC	b5E2C LDY #BC
\$5E2E: FE FE 7B	INC f7BFE,X
\$5E31: 7F 5F 5F	RRA f5F5F,X
\$5E34: 5F 5F 5F	SRE f5F5F,X
\$5E37: 5C C0 F0	NOP fF0C0,X
\$5E3A: F0 F0	BEQ b5E2C
\$5E3C: F1 C5	SBC (pC5),Y
\$5E3E: 15 55	ORA f55,X
\$5E40: 56 5A	LSR f5A,X
\$5E42: 5A	NOP
\$5E43: 5A	NOP
\$5E44: 5A	NOP

\$5E45: 5A NOP  
\$5E46: 7B 7B 95 RRA f957B,Y  
\$5E49: A1 B0 LDA (pB0,X)  
\$5E4B: B0 B0 BCS b5DFD  
\$5E4D: E0 F0 CPX #F0

f5E50 =\*+\$01

\$5E4F: F0 5F f5E4F BEQ b5EB0  
\$5E51: 5F 7F 7F SRE f7F7F,X  
\$5E54: 7F 5F 55 RRA f555F,X  
\$5E57: 55 30 EOR f30,X  
\$5E59: 38 SEC  
\$5E5A: C8 f5E5A INY  
\$5E5B: C0 FC CPY #FC

b5E5E =\*+\$01

\$5E5D: FC 7D 55 f5E5D NOP f557D,X  
\$5E60: 56 5A LSR f5A,X  
\$5E62: 5A NOP  
\$5E63: 5A NOP  
\$5E64: 5A NOP  
\$5E65: 5B 5F 53 SRE f535F,Y  
\$5E68: 95 A1 STA fA1,X  
\$5E6A: E0 F0 CPX #F0  
\$5E6C: F0 A0 BEQ b5E0E  
\$5E6E: A0 E0 LDY #E0  
\$5E70: 53 53 SRE (p53),Y

\$5E72: 5C 57 57      NOP f5757,X

\$5E75: 55 55      EOR f55,X

\$5E77: 55 F0      EOR fF0,X

\$5E79: A0 A0      LDY #A0

\$5E7B: C0 F0      CPY #F0

\$5E7D: F1 F5      SBC (pF5),Y

\$5E7F: 55 56      EOR f56,X

\$5E81: 5A      NOP

\$5E82: 5B 5B 5B      SRE f5B5B,Y

f5E87 =\*+\$02

\$5E85: 7E 7E 7E      ROR f7E7E,X

\$5E88: 95 A1      STA fA1,X

\$5E8A: A0 EC      LDY #EC

\$5E8C: EE BE BC      INC aBCBE

\$5E8F: BC 6E 6F      LDY f6F6E,X

\$5E92: 6F 6F AB      RRA aAB6F

\$5E95: 9F 5F 5C      AHX f5C5F,Y

f5E9A =\*+\$02

\$5E98: FC FC FC      NOP fFCFC,X

\$5E9B: F0 C1      b5E9B BEQ b5E5E

\$5E9D: C5 15      CMP a15

f5EA0 =\*+\$01

\$5E9F: 55 56      f5E9F EOR f56,X

\$5EA1: 5A      NOP

\$5EA2: 5E 5F 5F      LSR f5F5F,X

\$5EA5: 5A	NOP
\$5EA6: 5A	NOP
\$5EA7: 5A	NOP
\$5EA8: 95 A1	STA fA1,X
\$5EAA: A0 A0	LDY #A0
\$5EAC: A0 F0	b5EAC LDY #F0
\$5EAE: F0 FC	BEQ b5EAC
\$5EB0: 5B 5F 5F	b5EB0 SRE f5F5F,Y
\$5EB3: 7F 7F 7C	RRA f7C7F,X
\$5EB6: 55 55	EOR f55,X
\$5EB8: BC B0 CC	LDY fCCB0,X
\$5EBB: FC F1 05	NOP f05F1,X
\$5EBE: 55 55	EOR f55,X
\$5EC0: 56 5A	LSR f5A,X
\$5EC2: 5A	NOP
\$5EC3: 5E 5E 5B	LSR f5B5E,X
\$5EC6: 5B 5B 95	SRE f955B,Y
\$5EC9: A1 A0	LDA (pA0,X)
\$5ECB: A0 A0	LDY #A0
\$5ECD: A0 E0	LDY #E0
\$5ECF: F0 5F	BEQ b5F30
	b5ED2 =*+\$01
\$5ED1: 5E 7E 7F	LSR f7F7E,X
\$5ED4: 7F 55 55	RRA a5555,X
\$5ED7: 55 30	EOR f30,X

\$5ED9: F0 C0	b5ED9	BEQ b5E9B
\$5EDB: 30 FC		BMI b5ED9
\$5EDD: FC 55 55		NOP a5555,X
\$5EE0: 56 5A		LSR f5A,X
\$5EE2: 5A		NOP
\$5EE3: 5A		NOP
\$5EE4: 5A		NOP
\$5EE5: 5E 5F 5F		LSR f5F5F,X
\$5EE8: 95 A1		STA fA1,X
\$5EEA: A0 A0	b5EEA	LDY # \$A0
\$5EEC: A0 A0	b5EEC	LDY # \$A0
	f5EEF	=*+\$01
\$5EEE: A0 A0		LDY # \$A0
\$5EF0: 5F 5C 6B	f5EF0	SRE f6B5C,X
\$5EF3: 5B 57 57		SRE f5757,Y
\$5EF6: 55 55		EOR f55,X
\$5EF8: F0 F0		BEQ b5EEA
\$5EFA: F0 F0		BEQ b5EEC
\$5EFC: FC FD F5		NOP f5FD,X
\$5EFF: F5 57		SBC f57,X
\$5F01: 5C 70 70		NOP f7070,X
\$5F04: 70 CC		BVS b5ED2
\$5F06: C3 00		DCP (p00,X)
\$5F08: 57 DF		SRE fDF,X
\$5F0A: 30 33		BMI b5F3F

\$5F0C: 33 C3      RLA (pC3),Y  
\$5F0E: 03 0C      SLO (p0C,X)  
\$5F10: 0C 33 30      NOP a3033  
\$5F13: F0 5C      BEQ b5F71  
\$5F15: 57 55      SRE f55,X  
\$5F17: 55 FC      EOR fFC,X  
\$5F19: 30 31      BMI b5F4C  
\$5F1B: 31 31      AND (p31),Y  
\$5F1D: 35 D5      AND fD5,X  
\$5F1F: 55 5D      EOR f5D,X  
\$5F21: 73 C0      RRA (pC0),Y  
\$5F23: C0 C0      CPY #C0  
\$5F25: CF 70 C0      DCP aC070  
\$5F28: 55 45      EOR f45,X  
\$5F2A: C1 CF      CMP (pCF,X)  
\$5F2C: F3 C1      ISC (pC1),Y

b5F30 =\*+\$02

\$5F2E: 0C 30 70      NOP a7030  
\$5F31: CF C0 C0      DCP aC0C0  
\$5F34: C3 CC      DCP (pCC,X)  
\$5F36: 75 55      ADC f55,X  
\$5F38: C1 C1      CMP (pC1,X)  
\$5F3A: 31 35      AND (p35),Y  
\$5F3C: D5 55      CMP f55,X

b5F3F =\*+\$01

\$5F3E: 55 55        EOR f55,X  
\$5F40: 5D 73 C0     EOR fc073,X  
\$5F43: C3 73        DCP (p73,X)  
\$5F45: CF C0 C0     DCP aC0C0  
\$5F48: 55 45        EOR f45,X  
\$5F4A: 41 01        EOR (p01,X)  
\$5F4C: 01 01    b5F4C ORA (p01,X)  
\$5F4E: FF 03 CF     ISC fCF03,X  
f5F52 =\*+\$01  
\$5F51: 73 CC        RRA (pCC),Y  
\$5F53: C0 C0    f5F53 CPY #C0  
\$5F55: C0 C3        CPY #C3  
\$5F57: 7D FC 00     ADC f00FC,X  
\$5F5A: C1 31        CMP (p31,X)  
\$5F5C: 35 D5        AND fD5,X  
f5F5F =\*+\$01  
\$5F5E: 55 55    f5F5E EOR f55,X  
\$5F60: 57 5C    b5F60 SRE f5C,X  
\$5F62: 70 70     BVS b5FD4  
\$5F64: 72        JAM  
\$5F65: 5F 70 70     SRE f7070,X  
\$5F68: 55 D1        EOR fD1,X  
b5F6B =\*+\$01  
\$5F6A: 00 80        BRK #C80  
\$5F6C: C0 F0        CPY #C0F0



\$5F6E: 30 F0	BMI b5F60
	b5F71 =*+\$01
\$5F70: 7C 7F 70	NOP f707F,X
\$5F73: 70 5F	BVS b5FD4
\$5F75: 55 55	EOR f55,X
\$5F77: 55 30	EOR f30,X
\$5F79: 0C CC 31	NOP a31CC
\$5F7C: 0D F5 55	ORA f55F5
\$5F7F: 55 57	f5F7F EOR f57,X
\$5F81: 5C 70 70	NOP f7070,X
\$5F84: 4B 7F	ALR #57F
\$5F86: C3 C0	DCP (pC0,X)
\$5F88: 55 D1	EOR fD1,X
\$5F8A: 30 30	BMI b5FBC
\$5F8C: 8C C3 03	STY a03C3
\$5F8F: 33 0C	RLA (p0C),Y
\$5F91: 03 30	SLO (p30,X)
\$5F93: 30 3C	BMI b5FD1
\$5F95: 37 F5	RLA fF5,X
\$5F97: D5 F3	CMP fF3,X
\$5F99: 3C 30 30	NOP f3030,X
\$5F9C: 31 35	AND (p35),Y
	a5F9F =*+\$01
\$5F9E: D5 55	CMP f55,X
\$5FA0: 55 57	EOR f57,X

\$5FA2: 54 56      NOP f56,X  
\$5FA4: 57 5F      SRE f5F,X  
\$5FA6: 70 C3      BVS b5F6B  
\$5FA8: D5 34      CMP f34,X  
\$5FAA: 0C 0C 8C    NOP a8C0C  
\$5FAD: F0 0C      BEQ b5FBB  
\$5FAF: 03 CF      SLO (pCF,X)  
\$5FB1: FC 5C 5C    NOP f5C5C,X  
\$5FB4: 57 57      SRE f57,X  
\$5FB6: 57 55      SRE f55,X  
\$5FB8: 33 F3      RLA (pF3),Y

    b5FBB =\*+\$01

    b5FBC =\*+\$02

\$5FBA: 3C 0C 0D    NOP a0D0C,X  
\$5FBD: 05 35      ORA a35  
\$5FBF: D5 55      CMP f55,X  
\$5FC1: 55 55      EOR f55,X  
\$5FC3: 55 FF      EOR fFF,X

    b5FC6 =\*+\$01

\$5FC5: C0 CF      CPY #CF  
\$5FC7: 77 75      RRA f75,X  
\$5FC9: CD 03 C3    CMP aC303  
\$5FCC: CC F3 03    CPY a03F3  
\$5FCF: 33 57      RLA (p57),Y  
\$5FD1: 55 57    b5FD1 EOR f57,X

b5FD4 =\*+\$01

\$5FD3: 57 5C	SRE f5C,X
\$5FD5: 5C 5F 55	NOP f555F,X
\$5FD8: 33 F3	RLA (pF3),Y
\$5FDA: 33 33	RLA (p33),Y
\$5FDC: 0C 0C 35	NOP a350C
\$5FDF: D5 55	CMP f55,X
\$5FE1: 57 5C	SRE f5C,X
\$5FE3: 5C 5C 57	NOP f575C,X
\$5FE6: 5C 5C D5	NOP fD55C,X
\$5FE9: 30 0C	BMI b5FF7
\$5FEB: 0C 0C CC	NOP aCC0C
\$5FEE: 30 0C	BMI b5FFC
\$5FF0: 5C 5C 7C	NOP f7C5C,X
\$5FF3: 73 70	RRA (p70),Y

b5FF7 =\*+\$02

\$5FF5: 5F 55 55	SRE a5555,X
\$5FF8: F0 CC	BEQ b5FC6

b5FFC =\*+\$02

\$5FFA: CC 0C 0C	CPY a0C0C
\$5FFD: CD 75 F5	CMP aF575
\$6000: 00 00	BRK # \$00
\$6002: 00 00	BRK # \$00
\$6004: 00 00	BRK # \$00
\$6006: 00 00	BRK # \$00

\$6008: 00 18	a6008 BRK # \$18
\$600A: 18	CLC
\$600B: 18	CLC
\$600C: 18	CLC
\$600D: 00 18	BRK # \$18
\$600F: 18	CLC
\$6010: 00 00	BRK # \$00
\$6012: 00 00	BRK # \$00
\$6014: 00 00	BRK # \$00
\$6016: 00 00	BRK # \$00
\$6018: 00 3C	BRK # \$3C
\$601A: 66 3C	ROR a3C
\$601C: 18	CLC
\$601D: 1E 18 1E	ASL f1E18,X
\$6020: 00 18	BRK # \$18
\$6022: 18	CLC
\$6023: 18	CLC
\$6024: 34 7A	NOP f7A,X
\$6026: 7A	NOP
\$6027: 34 00	NOP f00,X
\$6029: 06 0C	ASL a0C
\$602B: 18	CLC
\$602C: F0 70	BEQ b609E
\$602E: 58	CLI
\$602F: 80 00	NOP # \$00

\$6031: 20 10 20 JSR s2010  
\$6034: 10 20 BPL b6056  
\$6036: 10 08 BPL b6040  
\$6038: 2A ROL  
\$6039: AA TAX  
\$603A: A9 B9 LDA #B9  
\$603C: E7 DE ISC aDE  
b6040 =\*+\$02  
\$603E: FC 78 00 NOP f0078,X  
\$6041: 92 JAM  
\$6042: FE F2 E2 INC fE2F2,X  
\$6045: 44 4C NOP a4C  
\$6047: 38 SEC  
\$6048: 00 38 BRK #B38  
\$604A: 44 BA NOP aBA  
\$604C: BA TSX  
\$604D: BA TSX  
\$604E: 44 38 NOP a38  
\$6050: 42 JAM  
\$6051: 5A NOP  
\$6052: 5A NOP  
\$6053: 99 34 7A STA f7A34,Y  
\$6056: 7A b6056 NOP  
\$6057: 34 00 NOP f00,X  
\$6059: 00 00 BRK #B00

\$605B: 00 00	BRK # \$00
\$605D: 00 00	BRK # \$00
\$605F: 00 00	BRK # \$00
\$6061: 00 00	BRK # \$00
\$6063: 00 00	BRK # \$00
f6066 =*+ \$01	
\$6065: 00 00	BRK # \$00
\$6067: 00 00	BRK # \$00
\$6069: 00 00	BRK # \$00
\$606B: 00 00	BRK # \$00
\$606D: 00 00	BRK # \$00
\$606F: 00 00	BRK # \$00
\$6071: 00 00	BRK # \$00
\$6073: 00 00	BRK # \$00
\$6075: 18	CLC
\$6076: 18	CLC
\$6077: 00 06	BRK # \$06
\$6079: 0C 18 30	NOP a3018
\$607C: 60	RTS
\$607D: C0 80	CPY # \$80
\$607F: 00 00	BRK # \$00
\$6081: 7C C6 C6	NOP fC6C6,X
\$6084: C6 C6	DEC aC6
\$6086: FE 7C 00	INC f007C,X

\$6089: 18	CLC
\$608A: 38	SEC
\$608B: 18	CLC
\$608C: 18	CLC
\$608D: 18	CLC
\$608E: 7E 7E 00	ROR f007E,X
\$6091: 3C 66 06	NOP f0666,X
\$6094: 3C 60 7E	NOP f7E60,X
\$6097: 7E 00 3C	ROR f3C00,X
a609B	=*+\$01
\$609A: 66 0C	ROR a0C
\$609C: 06 66	ASL a66
\$609E: 7E 3C 00	b609E ROR f003C,X
\$60A1: 1C 3C 6C	NOP f6C3C,X
j60A5	=*+\$01
\$60A4: CC FE 0C	CPY a0CFE
\$60A7: 1E 00 7E	ASL f7E00,X
\$60AA: 60	RTS
\$60AB: 7C 06 66	NOP f6606,X
\$60AE: 7E 3C 00	ROR f003C,X
\$60B1: 3C 60 7C	NOP f7C60,X
\$60B4: 66 66	ROR a66
\$60B6: 7E 3C 00	ROR f003C,X
\$60B9: 7E 66 06	ROR f0666,X

\$60BC: 0C 18 18	NOP a1818
\$60BF: 18	CLC
\$60C0: 00 3C	BRK #3C
\$60C2: 66 3C	ROR a3C
\$60C4: 66 66	ROR a66
\$60C6: 7E 3C 00	ROR f003C,X
\$60C9: 3C 66 3E	NOP f3E66,X
\$60CC: 06 66	ASL a66
\$60CE: 7E 3C 00	ROR f003C,X
\$60D1: 07 0C	SLO a0C
\$60D3: 0C 07 00	NOP a0007
\$60D6: 0F 07 00	SLO a0007
\$60D9: 87 CC	SAX aCC
\$60DB: 18	CLC
\$60DC: 98	TYA
\$60DD: DC CF 87	NOP a87CF,X
\$60E0: 00 87	BRK #87
\$60E2: CC 18 18	CPY a1818
\$60E5: 1C CF 87	NOP a87CF,X
\$60E8: 00 8F	BRK #8F
\$60EA: C6 66	DEC a66
\$60EC: 67 E6	RRA aE6
\$60EE: CF 8F 00	DCP a008F
\$60F1: CF 66 66	DCP a6666
\$60F4: C7 C6	DCP aC6



\$60F6: 6F 6F 00	RRA a006F
\$60F9: E0 20	CPX #20
\$60FB: 80 80	NOP #80
\$60FD: 20 E0 E0	JSR sE0E0
\$6100: 00 00	BRK #00
\$6102: 00 00	BRK #00
\$6104: 00 00	BRK #00
\$6106: 00 00	BRK #00
\$6108: 00 18	BRK #18
\$610A: 3C 66 7E	NOP f7E66,X
\$610D: 66 66	ROR a66
\$610F: 66 00	ROR a00
\$6111: FC 66 7C	NOP f7C66,X
\$6114: 66 66	ROR a66
\$6116: FE FC 00	INC f00FC,X
\$6119: 3C 66 C0	NOP fC066,X
\$611C: C0 E0	CPY #E0
\$611E: 7E 3C 00	ROR f003C,X
\$6121: F8	SED
\$6122: 6C 66 66	JMP (a6666)
\$6125: 6E FC F8	ROR ff8FC
\$6128: 00 FE	BRK #FE
\$612A: 62	JAM
\$612B: 68	PLA

\$612C: 78	SEI
\$612D: 62	JAM
\$612E: FE FE 00	INC f00FE,X
\$6131: FE 62 68	INC f6862,X
\$6134: 78	SEI
\$6135: 68	PLA
\$6136: 60	RTS
\$6137: F0 00	BEQ b6139
\$6139: 3C 66 C0	b6139 NOP fc066,X
\$613C: CE E6 7E	DEC a7EE6
\$613F: 3E 00 66	ROL f6600,X
\$6142: 66 7E	ROR a7E
\$6144: 66 66	ROR a66
\$6146: 66 66	ROR a66
\$6148: 00 7E	BRK #7E
\$614A: 18	CLC
\$614B: 18	CLC
\$614C: 18	CLC
\$614D: 18	CLC
\$614E: 7E 7E 00	ROR f007E,X
\$6151: 1E 0C 0C	ASL a0C0C,X
\$6154: 0C CC FC	NOP aFCCC
\$6157: 78	SEI
\$6158: 00 E6	BRK #E6

\$615A: 66 6C      ROR a6C  
\$615C: 78        SEI  
\$615D: 6C E6 E6      JMP (pE6E6)

    a6161   =\*\$01

\$6160: 00 F0      BRK #F0  
\$6162: 60        RTS  
  
\$6163: 60        RTS  
  
\$6164: 60        RTS  
  
\$6165: 62        JAM  
\$6166: FE FE 00      INC f00FE,X  
\$6169: C6 EE        DEC aEE  
\$616B: FE FE D6      INC fD6FE,X  
\$616E: C6 C6        DEC aC6  
\$6170: 00 C6        BRK #C6  
\$6172: E6 F6        INC aF6  
\$6174: DE CE C6      DEC fC6CE,X  
\$6177: C6 00        DEC a00  
\$6179: 38        SEC  
\$617A: 6C C6 C6      JMP (fC6C6)  
  
\$617D: EE 7C 38      INC a387C

\$6180: 00 FC	BRK #FC
\$6182: 66 66	ROR a66
\$6184: 7C 60 F0	NOP fF060,X
\$6187: F0 00	BEQ b6189
\$6189: 38    b6189	SEC
\$618A: 6C C6 C6	JMP (fC6C6)
\$618D: FA	NOP
\$618E: EC 76 00	CPX a0076
\$6191: FC 66 66	NOP a6666,X
\$6194: 7C 6C F6	NOP fF66C,X
\$6197: F6 00	INC f00,X
\$6199: 3C 66 60	NOP f6066,X
\$619C: 3C 06 7E	NOP f7E06,X
\$619F: 3C 00 7E	NOP f7E00,X
\$61A2: 5A	NOP
\$61A3: 18	CLC
\$61A4: 18	CLC
\$61A5: 18	CLC
\$61A6: 3C 3C 00	NOP f003C,X
\$61A9: 66 66	ROR a66
\$61AB: 66 66	ROR a66
\$61AD: 66 7E	ROR a7E
\$61AF: 3C 00 66	NOP f6600,X
\$61B2: 66 66	ROR a66

\$61B4: 66 7E	ROR a7E
\$61B6: 3C 18 00	NOP f0018,X
\$61B9: C6 C6	DEC aC6
\$61BB: D6 FE	DEC fFE,X
\$61BD: FE EE C6	INC fc6EE,X
\$61C0: 00 C6	BRK #C6
\$61C2: 6C 38 38	JMP (p3838)
\$61C5: 6C C6 C6	JMP (fc6C6)
\$61C8: 00 66	BRK #66
\$61CA: 66 66	ROR a66
\$61CC: 3C 18 3C	NOP f3C18,X
\$61CF: 3C 00 FE	NOP ROM_SETLFSj,X
\$61D2: CC 18 30	CPY a3018
\$61D5: 62	JAM
\$61D6: FE FE 00	INC f00FE,X
\$61D9: 07 03	SLO a03
\$61DB: 03 03	SLO (p03,X)
\$61DD: 03 07	SLO (p07,X)
\$61DF: 07 00	SLO a00
\$61E1: F7 13	ISC f13,X
\$61E3: 43 C3	SRE (pC3,X)
\$61E5: 13 F7	SLO (pF7),Y
\$61E7: F7 00	ISC f00,X

\$61E9: 8F 06 06	SAX a0606
\$61EC: 07 26	SLO a26
\$61EE: E6 EF	INC aEF
\$61F0: 00 E0	BRK #E0
\$61F2: 20 80 80	JSR s8080
\$61F5: 80 00	NOP #00
\$61F7: 00 00	BRK #00
\$61F9: 00 00	BRK #00
b61FC =*+\$01	
\$61FB: 00 00	BRK #00
\$61FD: 00 00	BRK #00
\$61FF: 00 00	BRK #00
\$6201: 00 00	BRK #00
\$6203: 00 00	BRK #00
\$6205: 00 00	BRK #00
\$6207: 00 07	BRK #07
\$6209: 18	CLC
\$620A: 23 44	RLA (p44,X)
\$620C: 48	PHA
\$620D: 88	DEY
\$620E: 88	DEY
\$620F: 8F FC 07	SAX a07FC
\$6212: C4 4F	CPY a4F
\$6214: 92	JAM
\$6215: E2 04	NOP #04

\$6217: FC 00 FF	NOP fff00,X
\$621A: 01 39	ORA (p39,X)
\$621C: 49 49	EOR #\$49
\$621E: 89 F9	NOP #\$F9
\$6220: 00 FF	BRK #\$FF
\$6222: 18	CLC
\$6223: 9F 91 21	AHX f2191,Y
\$6226: 21 21	AND (p21,X)
\$6228: 00 EF	BRK #\$EF
\$622A: 28	PLP
\$622B: 2E 22 22	ROL a2222
\$622E: 22	JAM
\$622F: 22	JAM
\$6230: 00 FC	BRK #\$FC
\$6232: 02	JAM
\$6233: 71 48	ADC (p48),Y
\$6235: 44 44	NOP a44
\$6237: 42	JAM
\$6238: 00 FF	BRK #\$FF
\$623A: 80 8E	NOP #\$8E
\$623C: CA	DEX
\$623D: A6 5E	LDX a5E
\$623F: 42	JAM
\$6240: 00 FF	BRK #\$FF
\$6242: 01 71	ORA (p71,X)

\$6244: 52	JAM
\$6245: 64 78	NOP a78
\$6247: 40	RTI
\$6248: 00 FF	BRK #\$FF
\$624A: 81 E7	STA (pE7,X)
\$624C: 24 24	BIT a24
\$624E: 24 24	BIT a24
\$6250: 00 07	BRK #\$07
\$6252: 04 04	NOP a04
\$6254: 04 04	NOP a04
\$6256: 04 04	NOP a04
\$6258: 00 FF	BRK #\$FF
\$625A: 00 FF	BRK #\$FF
\$625C: 80 86	NOP #\$86
\$625E: 8A	TXA
\$625F: F4 00	NOP f00,X
\$6261: FF 00 CF	ISC fCF00,X
\$6264: 48	PHA
\$6265: 48	PHA
\$6266: 49 49	EOR #\$49
\$6268: 00 F0	BRK #\$F0
\$626A: 10 90	BPL b61FC
\$626C: A0 A0	LDY #\$A0
\$626E: 40	RTI



\$626F: 80 80	NOP #80
\$6271: 8F 48 44	SAX a4448
\$6274: 23 18	RLA (p18,X)
\$6276: 07 00	SLO a00
\$6278: 04 E4	NOP aE4
\$627A: 24 24	BIT a24
\$627C: E4 04	CPX a04
\$627E: E4 24	b627E CPX a24
\$6280: 01 F9	ORA (pF9,X)
\$6282: 89 89	NOP #89
\$6284: 89 89	NOP #89
\$6286: 89 8F	NOP #8F
\$6288: 21 21	AND (p21,X)
\$628A: 21 12	AND (p12,X)
\$628C: 8C 41 22	STY a2241
\$628F: 1C 22 22	NOP a2222,X
\$6292: 22	JAM
\$6293: 2E 32 86	ROL a8632
\$6296: 8A	TXA
\$6297: 72	JAM
\$6298: 42	JAM
\$6299: 42	JAM
\$629A: 42	JAM
\$629B: 5A	NOP

\$629C: 66 4A	ROR a4A
\$629E: 12	JAM
\$629F: 23 42	RLA (p42,X)
\$62A1: 42	JAM
\$62A2: 42	JAM
\$62A3: 42	JAM
\$62A4: 42	JAM
\$62A5: 42	JAM
\$62A6: 42	JAM
\$62A7: C3 40	DCP (p40,X)
\$62A9: 40	RTI
\$62AA: 40	RTI
\$62AB: 40	RTI
\$62AC: 40	RTI
\$62AD: 40	RTI
\$62AE: 40	RTI
\$62AF: C0 24	CPY #24
\$62B1: 24 24	BIT a24
\$62B3: 24 24	BIT a24

\$62B5: E7 80	ISC a80
\$62B7: FF 04 1C	ISC f1C04,X
\$62BA: 2C 4C 94	BIT a944C
\$62BD: 14 24	NOP f24,X
\$62BF: E7 04	ISC a04
\$62C1: E8	INX
\$62C2: B9 82 85	LDA f8582,Y
\$62C5: F9 02 FE	SBC fFE02,Y
\$62C8: 48	PHA
\$62C9: 48	PHA
\$62CA: C8	INY
\$62CB: C9 4A	CMP # \$4A
\$62CD: 4C 41 42	JMP j4241
\$62D0: 00 00	BRK # \$00
\$62D2: 00 80	BRK # \$80
\$62D4: 40	RTI
\$62D5: 80 00	NOP # \$00
\$62D7: 00 25	BRK # \$25
\$62D9: 26 24	ROL a24
\$62DB: 48	PHA
\$62DC: 90 A0	BCC b627E
\$62DE: C0 00	CPY # \$00
\$62E0: 02	JAM

\$62E1: 04 09	NOP a09
\$62E3: 0A	ASL
\$62E4: 04 00	NOP a00
\$62E6: 00 00	BRK # \$00
\$62E8: 40	RTI
\$62E9: 80 00	NOP # \$00
\$62EB: 00 00	BRK # \$00
\$62ED: 00 00	BRK # \$00
\$62EF: 00 00	BRK # \$00
\$62F1: 00 00	BRK # \$00
\$62F3: 01 02	ORA (p02,X)
\$62F5: 02	JAM
\$62F6: 03 00	SLO (p00,X)
\$62F8: 44 48	NOP a48
\$62FA: 90 20	BCC b631C
\$62FC: 40	RTI
\$62FD: 80 00	NOP # \$00
\$62FF: 00 00	BRK # \$00
\$6301: 00 03	BRK # \$03
\$6303: 07 0E	SLO a0E
\$6305: 1D 3B 37	ORA f373B,X
\$6308: 0F FF F0	SLO aFOFF
\$630B: 8F 7F FF	SAX fFF7F

f630F =\*+\$01

b6310 =\*+\$02

\$630E: FF 01 F0      ISC fF001,X

\$6311: FF 0F F1      ISC fF10F,X

\$6314: FE FF FF      INC fFFFF,X ;IRQ

\$6317: C0 00          CPY # \$00

\$6319: 00 C0          BRK # \$C0

b631C =\*+\$01

\$631B: E0 70          CPX # \$70

\$631D: B8            CLV

\$631E: DC EC 77      NOP f77EC,X

\$6321: 6F 6F 6F      RRA f6F6F

\$6324: DF DF DF      DCP fDFDF,X

\$6327: DF 6D 6D      DCP f6D6D,X

\$632A: 6D 6D 6D      ADC f6D6D

\$632D: 7D 83 FF      ADC \$FF83,X

\$6330: BE B1 9C      LDX f9CB1,Y

\$6333: E6 86          INC a86

f6336 =\*+\$01

\$6335: BE 81 FF      LDX ROM\_CINT,Y

\$6338: EE F6 F6      INC aF6F6

\$633B: F6 FB          INC fFB,X

\$633D: FB FB FB      ISC fFBFB,Y

\$6340: DC D9 DA      NOP fDAD9,X

\$6343: DA      f6343    NOP

\$6344: 6A	ROR
\$6345: 6A	ROR
\$6346: 69 74	ADC #74
\$6348: 10 C6	BPL b6310
\$634A: 09 C9	ORA #C9
\$634C: 49 49	EOR #49
\$634E: C6 10	DEC a10
\$6350: 88	DEY
\$6351: 2B 2A	ANC #2A
\$6353: 2A	ROL
\$6354: 2A	ROL
\$6355: 22	JAM
\$6356: 3B 80 3B	RLA f3B80,Y
\$6359: 9B DB 5B	TAS f5BDB,Y
	b635D =*+\$01
\$635C: 56 D6	LSR fD6,X
\$635E: 96 2E	STX f2E,Y
\$6360: 37 3B	RLA f3B,X
\$6362: 1D 0E 07	ORA f070E,X
\$6365: 03 00	SLO (p00,X)
\$6367: 00 FF	BRK #FF
\$6369: FE FC 7E	INC f7EFC,X
\$636C: 8D F0 FF	STA ROM_PLOT
	b6370 =*+\$01
\$636F: 0F FF 7F	SLO f7FFF

\$6372: 3F 7E B1	RLA fB17E,X
\$6375: 0F FF F0	SLO aF0FF
\$6378: EC DC B8	CPX aB8DC
\$637B: 70 E0	BVS b635D
\$637D: C0 00	CPY # \$00
\$637F: 00 00	BRK # \$00
\$6381: 18	CLC
\$6382: 18	CLC
\$6383: 1A	NOP
b6385 =*+ \$01	
\$6384: 1F 1F 1D	SLO f1D1F,X
\$6387: 18	CLC
\$6388: 00 C3	BRK # \$C3
\$638A: C7 CC	DCP aCC
\$638C: CF CC CC	DCP fCCCC
\$638F: CC 00 0F	CPY a0F00
\$6392: 86 C6	STX aC6
\$6394: C7 C6	DCP aC6
\$6396: CF CF 00	DCP a00CF
\$6399: C7 63	DCP a63
\$639B: 63 C3	RRA (pC3,X)
\$639D: C3 67	DCP (p67,X)
\$639F: 67 00	RRA a00
\$63A1: E3 30	ISC (p30,X)
\$63A3: 30 E0	BMI b6385

\$63A5: 60	RTS
\$63A6: B3 B3	LAX (pB3),Y
\$63A8: 00 F1	BRK #F1
\$63AA: C3 C6	DCP (pC6,X)
\$63AC: C6 C7	DEC aC7
\$63AE: F3 F1	ISC (pF1),Y
\$63B0: 00 C7	BRK #C7
\$63B2: 63 33	RRA (p33,X)
\$63B4: 33 73	RLA (p73),Y
\$63B6: E7 C7	ISC aC7
\$63B8: 00 E0	BRK #E0
\$63BA: 30 30	BMI b63EC
\$63BC: E0 60	CPX #60
\$63BE: B0 B0	BCS b6370
\$63C0: 00 00	BRK #00
\$63C2: 62	JAM
\$63C3: 36 1C	ROL f1C,X
\$63C5: 38	SEC
\$63C6: 6C 46 00	JMP (p0046)
\$63C9: 18	CLC
\$63CA: 18	CLC
\$63CB: 18	CLC
\$63CC: 18	CLC



\$63CD: 00 18	BRK # \$18
\$63CF: 18	CLC
\$63D0: 00 00	BRK # \$00
\$63D2: 00 7E	BRK # \$7E
\$63D4: 00 7E	BRK # \$7E
\$63D6: 00 00	BRK # \$00
\$63D8: 00 00	BRK # \$00
\$63DA: 18	CLC
\$63DB: 18	CLC
\$63DC: 00 18	BRK # \$18
\$63DE: 18	CLC
\$63DF: 08	PHP
\$63E0: 00 00	BRK # \$00
\$63E2: 00 00	BRK # \$00
\$63E4: 00 00	BRK # \$00
\$63E6: 00 00	BRK # \$00
\$63E8: 00 00	BRK # \$00
\$63EA: 00 00	BRK # \$00
\$63EC: 00 00	b63EC BRK # \$00
\$63EE: 00 00	BRK # \$00
\$63F0: 00 00	BRK # \$00
\$63F2: 00 00	BRK # \$00
\$63F4: 00 00	BRK # \$00
\$63F6: 00 00	BRK # \$00
\$63F8: 00 00	BRK # \$00

\$63FA: 00 00	BRK # \$00
\$63FC: 00 00	BRK # \$00
\$63FE: 00 F0	BRK # \$F0
\$6400: 00 00	BRK # \$00
\$6402: 00 00	BRK # \$00
\$6404: 00 00	BRK # \$00
\$6406: 00 00	BRK # \$00
\$6408: FF FE FE	f6408 ISC fFEFE,X
\$640B: FF FE FE	ISC fFEFE,X
\$640E: FE FF FF	INC fFFFF,X ;IRQ
\$6411: BA	TSX
\$6412: EE AB EE	INC aEEAB
\$6415: BA	TSX
\$6416: EE AB FF	INC ROM_UNTLK
\$6419: BB EF A8	LAS fA8EF,Y
\$641C: EF BB EF	ISC aEFBB
\$641F: A8	TAY
\$6420: FE FE FE	INC fFEFE,X
\$6423: FF FE FE	ISC fFEFE,X
\$6426: FE FF EE	INC fEEFF,X
\$6429: BB EF A8	LAS fA8EF,Y
\$642C: EF BB EF	ISC aEFBB
\$642F: A8	TAY
\$6430: EE FE FE	INC fFEFE
\$6433: FF FE FE	ISC fFEFE,X

\$6436: FE FF EF	INC fEFFF,X
\$6439: BB EF A8	LAS fA8EF,Y
\$643C: EF BB EF	ISC aEFBB
\$643F: A8	TAY
\$6440: EF BA EE	ISC aEEBA
\$6443: AB EE	LAX #EE
\$6445: BA	TSX
\$6446: EE AB FE	INC aFEAB
\$6449: BA	TSX
\$644A: EE AB EE	INC aEEAB
\$644D: BA	TSX
\$644E: EE AB FE	INC aFEAB
\$6451: FF F3 FC	ISC fFCF3,X
\$6454: F3 CF	ISC (pCF),Y
\$6456: 33 FC	RLA (pFC),Y
\$6458: EE CF 33	INC a33CF
\$645B: FC 33 CF	NOP fCF33,X
\$645E: 33 FC	RLA (pFC),Y
\$6460: EF CF 33	f6460 ISC a33CF
\$6463: FC 33 CF	NOP fCF33,X
\$6466: 33 FC	RLA (pFC),Y
\$6468: 3F C3 CE	RLA fCEC3,X
\$646B: CE CE 03	DEC a03CE
\$646E: FE FE FC	INC fFCFE,X
\$6471: FC AB AB	NOP aABAB,X

\$6474: AB FF LAX # \$FF  
\$6476: BA TSX  
\$6477: BA TSX  
\$6478: FF FC AB ISC fABFC,X  
\$647B: A8 TAY  
\$647C: AB FC LAX # \$FC  
\$647E: BB B8 FE LAS fFEB8,Y  
\$6481: 03 CE SLO (pCE,X)  
b6484 =\*+\$01  
\$6483: CE CE 03 DEC a03CE  
\$6486: FE FE BA INC fBAFE,X  
\$6489: FC AB A8 NOP fA8AB,X  
\$648C: AB FC b648C LAX # \$FC  
\$648E: BB B8 BA LAS fBAB8,Y  
\$6491: CF 0E CE DCP aCE0E  
\$6494: CE 03 FE DEC aFE03  
\$6497: FE BB FC INC fFCBB,X  
\$649A: AB A8 LAX # \$A8  
\$649C: AB FC LAX # \$FC  
\$649E: BB B8 BB LAS fBBB8,Y  
\$64A1: FF AB AB ISC aABAB,X  
\$64A4: AB FF LAX # \$FF  
\$64A6: BA TSX  
\$64A7: BA TSX  
\$64A8: FE FF AB INC fABFF,X

\$64AB: AB AB	LAX # \$AB
\$64AD: FF BA BA	ISC fBABA,X
\$64B0: FE 0C C3	INC fC30C,X
\$64B3: CC C0 CC	CPY aCCC0
\$64B6: 30 CC	BMI b6484
\$64B8: BA	TSX
\$64B9: CC 03 CC	CPY aCC03
\$64BC: 00 CC	BRK # \$CC
\$64BE: 30 CC	BMI b648C
\$64C0: BB CC 03	LAS f03CC,Y
\$64C3: CC 00 CC	CPY aCC00
\$64C6: 33 CC	RLA (pCC),Y
\$64C8: 00 00	BRK # \$00
\$64CA: 00 00	BRK # \$00
\$64CC: 00 00	BRK # \$00
\$64CE: 00 00	BRK # \$00
\$64D0: 00 00	BRK # \$00
\$64D2: 00 00	BRK # \$00
\$64D4: 00 00	BRK # \$00
\$64D6: 00 00	BRK # \$00
\$64D8: 00 00	BRK # \$00
\$64DA: 00 00	BRK # \$00
\$64DC: 00 00	BRK # \$00
\$64DE: 00 00	BRK # \$00
\$64E0: 06 0C	ASL a0C

\$64E2: 18	CLC
\$64E3: 30 18	BMI b64FD
\$64E5: 0C 06 00	NOP a0006
\$64E8: 00 00	BRK # \$00
\$64EA: 7E 00 00	ROR e0000,X
\$64ED: 7E 00 00	ROR e0000,X
\$64F0: 60	RTS
\$64F1: 30 18	BMI b650B
\$64F3: 0C 18 30	NOP a3018
\$64F6: 60	RTS
\$64F7: 00 00	BRK # \$00
\$64F9: 3C 66 0C	NOP f0C66,X
\$64FC: 18	CLC
\$64FD: 00 18	b64FD BRK # \$18
\$64FF: 00 00	BRK # \$00
\$6501: 3C 66 6E	NOP f6E66,X
\$6504: 6E 60 3E	ROR a3E60
\$6507: 00 FF	BRK # \$FF
b650B	=*+\$02
\$6509: FE FE FE	INC fFEFE,X
\$650C: FE FE FE	INC fFEFE,X
\$650F: FE FF AA	INC fAAFF,X
\$6512: AA	TAX

\$6513: AA	TAX
\$6514: AA	TAX
\$6515: AA	TAX
\$6516: AA	TAX
\$6517: AA	TAX
\$6518: FF A8 AB	ISC fABA8,X
\$651B: A8	TAY
\$651C: AB A8	LAX #A8
\$651E: AB A8	LAX #A8
\$6520: FE FE FE	INC fFEFE,X
\$6523: FE FE FE	INC fFEFE,X
\$6526: FE FE AA	INC fAAFE,X
\$6529: A8	TAY
\$652A: AB A8	LAX #A8
\$652C: AB A8	LAX #A8
\$652E: AB A8	LAX #A8
\$6530: AA	TAX
\$6531: FE FE FE	INC fFEFE,X
\$6534: FE FE FE	INC fFEFE,X
\$6537: FE AB A8	INC fA8AB,X
\$653A: AB A8	LAX #A8
\$653C: AB A8	LAX #A8
\$653E: AB A8	LAX #A8
\$6540: AB AA	LAX #AA
\$6542: AA	TAX

\$6543: AA	TAX
\$6544: AA	TAX
\$6545: AA	TAX
\$6546: AA	TAX
\$6547: AA	TAX
\$6548: FE AA AA	INC fAAAA,X
\$654B: AA	TAX
\$654C: AA	b654C TAX
\$654D: AA	TAX
\$654E: AA	TAX
\$654F: AA	TAX
\$6550: FE FC F3	INC fF3FC,X
\$6553: FC F3 CC	NOP fCCF3,X
\$6556: 33 CC	RLA (pCC),Y
\$6558: AA	TAX
\$6559: CC 33 CC	CPY aCC33
	b655D =*+\$01
\$655C: 33 CC	RLA (pCC),Y
\$655E: 33 CC	RLA (pCC),Y
\$6560: AB CC	LAX #CC
\$6562: 33 CC	RLA (pCC),Y
\$6564: 33 CC	RLA (pCC),Y
\$6566: 33 CC	RLA (pCC),Y
\$6568: 55 56	EOR f56,X
\$656A: 57 57	SRE f57,X



\$656C: 5F 77 7F      SRE f7F77,X  
 \$656F: 7F 00 00      RRA e0000,X  
 \$6572: 00 00      BRK #00  
 \$6574: 00 00      BRK #00  
 \$6576: 00 00      BRK #00  
 \$6578: 00 00      BRK #00  
 \$657A: 00 00      BRK #00  
 \$657C: 00 00      BRK #00  
  
           f657F =\*+\$01  
 \$657E: 00 00      BRK #00  
 \$6580: DF D4 DB    f6580 DCP fDBD4,X  
 \$6583: DB DB DB      DCP fDBDB,Y  
 \$6586: 74 5F      NOP f5F,X  
 \$6588: 30 30      BMI b65BA  
 \$658A: 30 30    b658A BMI b65BC  
 \$658C: 30 31      BMI b65BF  
  
           b658F =\*+\$01  
 \$658E: C5 55      CMP a55  
 \$6590: FA      NOP  
 \$6591: E6 EE      INC aEE  
 \$6593: EB EA      SBC #EA  
 \$6595: FF 7F 5F      ISC f5F7F,X  
 \$6598: F0 F0      BEQ b658A  
  
           b659B =\*+\$01  
 \$659A: B0 B0      BCS b654C

\$659C: B0 F1        BCS b658F  
\$659E: C5 55        CMP a55  
\$65A0: FA            NOP  
\$65A1: FA            NOP  
\$65A2: FA            NOP  
\$65A3: EA            NOP  
\$65A4: EA            NOP  
\$65A5: FA            NOP  
\$65A6: 7F 5F F0     RRA ff05F,X  
\$65A9: F0 F0        BEQ b659B  
\$65AB: B0 B0        BCS b655D  
\$65AD: F1 C5        SBC (pC5),Y  
\$65AF: 55 E4    b65AF    EOR fe4,X  
\$65B1: FB DB DB     ISC fDBDB,Y  
\$65B4: DB F4 7F     DCP f7FF4,Y  
\$65B7: 5F F0 30     SRE f30F0,X  
  
      b65BB    =\*+\$01  
\$65BA: 30 30    b65BA    BMI b65EC  
  
      b65BD    =\*+\$01  
\$65BC: 30 F1    b65BC    BMI b65AF  
  
      b65BF    =\*+\$01  
\$65BE: C5 55        CMP a55  
\$65C0: FB EF FB     ISC ffBEF,Y  
\$65C3: FE FB FE     INC fFEFB,X  
\$65C6: 7F 5F F0     RRA ff05F,X

\$65C9: F0 F0        BEQ b65BB  
                  b65CC =\*+\$01  
\$65CB: F0 F0        BEQ b65BD  
\$65CD: F1 C5        SBC (pC5),Y  
\$65CF: 55 FF    b65CF EOR fFF,X  
\$65D1: FE FB CF     INC fCFFB,X  
\$65D4: 0F 3F 7F     SLO a7F3F  
\$65D7: 5F B0 F0     SRE fF0B0,X  
\$65DA: F0 F0        BEQ b65CC  
\$65DC: F0 F1        BEQ b65CF  
\$65DE: C5 55        CMP a55  
\$65E0: 00 40        BRK # \$40  
\$65E2: 60            RTS  
  
\$65E3: 30 18        BMI b65FD  
\$65E5: 0C 06 00     NOP a0006  
\$65E8: 00 78        BRK # \$78  
\$65EA: 18            CLC  
\$65EB: 18            CLC  
\$65EC: 18    b65EC CLC  
\$65ED: 18            CLC  
\$65EE: 78            SEI  
\$65EF: 00 00        BRK # \$00  
\$65F1: 08            PHP  
\$65F2: 1C 36 63     NOP f6336,X

\$65F5: 00 00	BRK # \$00
\$65F7: 00 00	BRK # \$00
\$65F9: 00 00	BRK # \$00
\$65FB: 00 00	BRK # \$00
\$65FD: 00 FF	b65FD BRK # \$FF
f6600	=*+ \$01
\$65FF: 00 00	BRK # \$00
\$6601: 20 B8 B8	JSR sB8B8
\$6604: B8	CLV
\$6605: B8	CLV
\$6606: 20 00 AA	f6606 JSR sAA00
\$6609: BF AE 2E	LAX f2EAE,Y
\$660C: 2E 2E 2E	ROL a2E2E
\$660F: 2E 80 80	ROL s8080
\$6612: 80 00	NOP # \$00
\$6614: 00 00	BRK # \$00
\$6616: 00 00	BRK # \$00
\$6618: AA	TAX
\$6619: BF AE 2E	LAX f2EAE,Y
\$661C: 2E 2E 2E	ROL a2E2E
\$661F: 2F A8 F8	RLA aF8A8
\$6622: B8	CLV
\$6623: 28	PLP
\$6624: 00 28	BRK # \$28
\$6626: B8	CLV

\$6627: F8	SED
\$6628: A8	TAY
\$6629: B8	CLV
\$662A: B8	CLV
\$662B: B8	CLV
\$662C: 2E 2E 2E	ROL a2E2E
\$662F: 2E A8 B8	ROL aB8A8
\$6632: B8	CLV
\$6633: B8	CLV
\$6634: E0 E0	CPX #E0
\$6636: E0 E0	CPX #E0
\$6638: 0A	ASL
\$6639: 2F BE B8	RLA aB8BE
\$663C: B8	CLV
\$663D: B8	CLV
\$663E: B8	CLV
\$663F: B8	CLV
\$6640: 80 E0	NOP #E0
\$6642: F8	SED
\$6643: B8	CLV
\$6644: B8	CLV
\$6645: B8	CLV
\$6646: B8	CLV
\$6647: B8	CLV
\$6648: AA	TAX

\$6649: BF BB BB LAX fBBBB,Y

\$664C: AB 0B LAX #0B

\$664E: 0B 0B ANC #0B

\$6650: A8 TAY

\$6651: F8 SED

\$6652: B8 CLV

\$6653: B8 CLV

\$6654: A8 TAY

\$6655: 80 80 NOP #80

\$6657: 80 AA NOP #AA

\$6659: BF BA B8 LAX fB8BA,Y

\$665C: B8 CLV

\$665D: B8 CLV

\$665E: BA TSX

\$665F: BF 80 E0 LAX fE080,Y

\$6662: F8 SED

\$6663: B8 CLV

\$6664: B8 CLV

\$6665: B8 CLV

\$6666: F8 a666 SED

\$6667: E0 0A CPX #0A

\$6669: 2F BE B8 RLA aB8BE

\$666C: B8 CLV

f666E =\*+01

\$666D: BE BF 2F LDX f2FBF,Y

\$6670: 80 E0	NOP #E0
\$6672: F8	SED
\$6673: B8	CLV
\$6674: A8	TAY
\$6675: 00 80	BRK #80
\$6677: E0 0A	CPX #0A
\$6679: 2F BE B8	RLA aB8BE
\$667C: B8	CLV
\$667D: B8	CLV
\$667E: B8	CLV
\$667F: BA	TSX
\$6680: 80 E0	NOP #E0
\$6682: F8	SED
\$6683: B8	CLV
\$6684: B8	CLV
\$6685: B8	CLV
\$6686: B8	p6686 CLV
\$6687: B8	CLV
\$6688: A8	TAY
\$6689: B8	CLV
\$668A: B8	CLV
\$668B: B8	CLV
\$668C: B8	CLV
\$668D: B8	CLV
\$668E: B8	CLV

\$668F: B8	CLV
\$6690: A8	TAY
\$6691: B8	CLV
\$6692: B8	CLV
\$6693: B8	CLV
\$6694: B8	CLV
\$6695: B8	CLV
\$6696: B8	CLV
\$6697: B8	CLV
\$6698: AA	TAX
\$6699: BF BB BB	LAX fBBBB,Y
\$669C: BB BB BA	LAS fBABB,Y
\$669F: B8	CLV
\$66A0: A8	TAY
\$66A1: F8	SED
\$66A2: B8	CLV
\$66A3: B8	CLV
\$66A4: B8	CLV
\$66A5: B8	CLV
\$66A6: B8	CLV
\$66A7: B8	CLV
\$66A8: AA	TAX
\$66A9: BF BA AD	LAX fADBA,Y
\$66AC: 01 03	ORA (p03,X)
\$66AE: 02	JAM



\$66AF: 06 A8	ASL aA8
\$66B1: F8	SED
\$66B2: B8	CLV
\$66B3: B8	CLV
\$66B4: B8	CLV
\$66B5: B8	CLV
\$66B6: EC E4 7A	CPX a7AE4
\$66B9: EF BE BB	ISC aBBBE
\$66BC: B9 B9 BE	LDA fBEB9,Y
\$66BF: EF B4 EC	ISC aECB4
\$66C2: F8	SED
\$66C3: B8	CLV
\$66C4: B8	CLV
\$66C5: B8	CLV
\$66C6: F8	SED
\$66C7: EC 7A EF	CPX aEF7A
\$66CA: BE BB B9	LDX fB9BB,Y
\$66CD: B9 BB BE	LDA fBEBB,Y
\$66D0: B4 EC	LDY fEC,X
\$66D2: F8	SED
\$66D3: B8	CLV
\$66D4: B8	CLV
\$66D5: B8	CLV
\$66D6: B8	CLV
\$66D7: F8	SED

\$66D8: 78	SEI
\$66D9: 60	RTS
\$66DA: 78	SEI
\$66DB: 60	RTS
\$66DC: 7E 18 1E	ROR f1E18,X
\$66DF: 00 00	BRK # \$00
\$66E1: 18	CLC
\$66E2: 3C 7E 18	NOP f187E,X
\$66E5: 18	CLC
\$66E6: 18	CLC
\$66E7: 00 00	BRK # \$00
\$66E9: 18	CLC
\$66EA: 18	CLC
\$66EB: 18	CLC
\$66EC: 7E 3C 18	ROR f183C,X
\$66EF: 00 00	BRK # \$00
\$66F1: 18	CLC
\$66F2: 30 7E	BMI b6772
\$66F4: 30 18	BMI b670E
\$66F6: 00 00	BRK # \$00
\$66F8: 00 18	BRK # \$18
\$66FA: 0C 7E 0C	NOP p0C7E
\$66FD: 18	CLC

\$66FE: 00 00	BRK # \$00
\$6700: 00 20	BRK # \$20
\$6702: B8	CLV
\$6703: B8	CLV
\$6704: B8	CLV
\$6705: B8	CLV
\$6706: 20 00 2E	JSR s2E00
\$6709: 2E 2E 2E	ROL a2E2E
b670E	=*+ \$02
\$670C: 2E AE BF	ROL aBFAE
\$670F: AA	TAX
\$6710: 00 00	BRK # \$00
\$6712: 00 00	BRK # \$00
\$6714: 28	PLP
\$6715: B8	CLV
\$6716: F8	SED
\$6717: A8	TAY
\$6718: 2E 2E 2E	ROL a2E2E
\$671B: 2E 2E AE	ROL aAE2E
\$671E: BF AA B8	LAX fB8AA,Y
\$6721: 28	PLP
\$6722: 00 00	BRK # \$00
\$6724: 28	PLP
\$6725: B8	CLV
\$6726: F8	SED

\$6727: A8	TAY
\$6728: 2E 2E 0B	ROL a0B2E
\$672B: 0B 0B	ANC #0B
\$672D: 0B 0B	ANC #0B
\$672F: 0A	ASL
\$6730: E0 E0	CPX #E0
\$6732: 80 80	NOP #80
\$6734: 80 80	NOP #80
\$6736: 80 80	NOP #80
\$6738: B8	CLV
\$6739: B8	CLV
\$673A: B8	CLV
\$673B: B8	CLV
\$673C: B8	CLV
\$673D: BE 2F 0A	LDX f0A2F,Y
\$6740: B8	CLV
\$6741: B8	CLV
\$6742: B8	CLV
\$6743: B8	CLV
\$6744: B8	CLV
\$6745: F8	SED
\$6746: E0 80	CPX #80
\$6748: 0B 0B	ANC #0B
\$674A: 0B 0B	ANC #0B
\$674C: 0B 2B	ANC #2B

\$674E: 2F 2A 80	RLA a802A
\$6751: 80 80	NOP #80
\$6753: 80 80	NOP #80
\$6755: A0 E0	LDY #E0
\$6757: A0 BA	LDY #BA
\$6759: B8	CLV
\$675A: B8	CLV
\$675B: B8	CLV
\$675C: B8	CLV
\$675D: B8	CLV
\$675E: B8	CLV
\$675F: A8	TAY
\$6760: F8	SED
\$6761: B8	CLV
\$6762: B8	CLV
\$6763: B8	CLV
\$6764: B8	CLV
\$6765: B8	CLV
\$6766: B8	CLV
\$6767: A8	TAY
\$6768: 0B 02	ANC #02
\$676A: 00 A8	BRK #A8
\$676C: B8	CLV
\$676D: BE 2F 0A	LDX f0A2F,Y
\$6770: F8	SED

\$6771: F8	SED
\$6772: B8	b6772 CLV
\$6773: B8	CLV
\$6774: B8	CLV
\$6775: F8	SED
\$6776: E0 80	CPX #80
\$6778: BF BA B8	LAX fB8BA,Y
\$677B: B8	CLV
\$677C: B8	CLV
\$677D: B8	CLV
\$677E: B8	CLV
\$677F: A8	TAY
\$6780: F8	SED
\$6781: B8	CLV
\$6782: B8	CLV
\$6783: B8	CLV
\$6784: B8	CLV
\$6785: B8	CLV
\$6786: B8	CLV
\$6787: A8	TAY
\$6788: B8	CLV
\$6789: B8	CLV
\$678A: B8	CLV
\$678B: B8	CLV
\$678C: B8	CLV

\$678D: BE 2F 0A      LDX f0A2F,Y

\$6790: B8      CLV

\$6791: B8      CLV

\$6792: B8      CLV

\$6793: B8      CLV

\$6794: B8      CLV

\$6795: F8      SED

\$6796: B8      CLV

\$6797: A8      TAY

\$6798: B8      CLV

\$6799: B8      CLV

\$679A: B8      CLV

\$679B: B8      CLV

\$679C: B8      CLV

\$679D: B8      CLV

\$679E: B8      CLV

\$679F: A8      TAY

\$67A0: B8      CLV

\$67A1: B8      CLV

\$67A2: B8      CLV

\$67A3: B8      CLV

\$67A4: B8      CLV

\$67A5: B8      CLV

\$67A6: B8      CLV

\$67A7: A8      TAY

\$67A8: 02	JAM
\$67A9: 0B 0B	ANC #0B
\$67AB: 0B 0B	ANC #0B
\$67AD: 0B 0B	ANC #0B
\$67AF: 0A	ASL
\$67B0: E0 80	CPX #80
\$67B2: 80 80	NOP #80
\$67B4: 80 80	NOP #80
\$67B6: 80 80	NOP #80
\$67B8: EF BE B9	ISC aB9BE
\$67BB: B9 BB BE	LDA fBEBB,Y
\$67BE: EF 7A EC	ISC aEC7A
\$67C1: F8	SED
\$67C2: B8	CLV
\$67C3: B8	CLV
\$67C4: B8	CLV
\$67C5: F8	SED
\$67C6: EC B4 EF	CPX aEFB4
\$67C9: 7A	NOP
\$67CA: 00 A9	BRK #A9
\$67CC: BB BE EF	LAS fEFBE,Y
\$67CF: 7A	NOP
\$67D0: F8	SED
\$67D1: B8	CLV
\$67D2: B8	CLV



\$67D3: B8	CLV
\$67D4: B8	CLV
\$67D5: F8	SED
\$67D6: EC B4 00	CPX a00B4
\$67D9: 18	CLC
\$67DA: 3C 7E 7E	NOP f7E7E,X
\$67DD: 18	CLC
b67E0 =*+\$02	
\$67DE: 3C 00 18	NOP f1800,X
\$67E1: 18	CLC
\$67E2: 18	CLC
\$67E3: 18	CLC
\$67E4: 18	CLC
\$67E5: 18	CLC
\$67E6: 18	CLC
\$67E7: 18	CLC
\$67E8: 00 7E	BRK #7E
\$67EA: 78	SEI
\$67EB: 7C 6E 66	NOP f666E,X
\$67EE: 06 00	ASL a00
\$67F0: 08	PHP
\$67F1: 18	CLC
\$67F2: 38	SEC
\$67F3: 78	SEI
\$67F4: 38	SEC

\$67F5: 18	CLC
\$67F6: 08	PHP
\$67F7: 00 10	BRK #10
\$67F9: 18	CLC
\$67FA: 1C 1E 1C	NOP f1C1E,X
\$67FD: 18	CLC
\$67FE: 10 E0	BPL b67E0
\$6800: FF FF FF	ISC fffff,X ;IRQ
a6805	=*+\$02
\$6803: FF FF FF	ISC fffff,X ;IRQ
\$6806: FF FF FF	ISC fffff,X ;IRQ
a680B	=*+\$02
\$6809: FF FF FF	ISC fffff,X ;IRQ
\$680C: FF FF FF	ISC fffff,X ;IRQ
\$680F: FF FF FF	ISC fffff,X ;IRQ
\$6812: FF FF FF	ISC fffff,X ;IRQ
\$6815: FF FF FF	ISC fffff,X ;IRQ
\$6818: FF FF FF	ISC fffff,X ;IRQ
\$681B: FF FF FF	ISC fffff,X ;IRQ
\$681E: FF FF FF	ISC fffff,X ;IRQ
\$6821: FF FF FF	ISC fffff,X ;IRQ
\$6824: FF FF FF	ISC fffff,X ;IRQ
\$6827: FF FF FF	ISC fffff,X ;IRQ
\$682A: FF FF FF	ISC fffff,X ;IRQ
\$682D: FF FF FF	ISC fffff,X ;IRQ

\$6830: FF FF FF	ISC fFFFF,X ;IRQ
\$6833: FF FF FF	ISC fFFFF,X ;IRQ
\$6836: FF FF FF	ISC fFFFF,X ;IRQ
\$6839: FF FF FF	ISC fFFFF,X ;IRQ
\$683C: FF FF FF	ISC fFFFF,X ;IRQ
\$683F: FF FF FF	ISC fFFFF,X ;IRQ
\$6842: FF FF FF	ISC fFFFF,X ;IRQ
\$6845: FF FF FF	ISC fFFFF,X ;IRQ
\$6848: FF FF FF	ISC fFFFF,X ;IRQ
\$684B: FF FF FF	ISC fFFFF,X ;IRQ
\$684E: FF FF FF	ISC fFFFF,X ;IRQ
\$6851: FF FF FF	ISC fFFFF,X ;IRQ
\$6854: FF 00 00	ISC e0000,X
\$6857: 00 00	BRK # \$00
\$6859: 00 00	BRK # \$00
\$685B: 00 00	BRK # \$00
\$685D: 00 00	BRK # \$00
\$685F: 00 00	BRK # \$00
f6862 =*+\$01	
\$6861: 00 00	BRK # \$00
\$6863: 00 00	BRK # \$00
\$6865: 00 00	BRK # \$00
\$6867: 00 00	BRK # \$00
\$6869: 00 00	BRK # \$00
\$686B: 00 00	BRK # \$00

\$686D: 00 00	BRK #00
\$686F: 00 00	BRK #00
\$6871: 00 00	BRK #00
\$6873: 00 00	BRK #00
\$6875: 00 00	BRK #00
\$6877: 00 00	BRK #00
\$6879: 00 00	BRK #00
\$687B: 00 00	BRK #00
\$687D: 00 00	BRK #00
\$687F: 00 0F	BRK #0F
\$6881: F0 00	BEQ b6883
\$6883: 3A	b6883 NOP
\$6884: AC 00 EB	LDY aEB00
\$6887: EB 00	SBC #00
\$6889: EC 3B 00	CPX a003B
\$688C: EC 3B 00	CPX a003B
\$688F: EC 3B 00	CPX a003B
\$6892: EC 3B 00	CPX a003B
f6897	=*+02
\$6895: EC 3B 00	CPX a003B
\$6898: EC 3B 00	CPX a003B
\$689B: EC 3B 00	CPX a003B
\$689E: EC 3B 00	CPX a003B
\$68A1: EC 3B 00	CPX a003B
\$68A4: EC 3B 00	CPX a003B

\$68A7: EB EB	SBC #\$EB
\$68A9: 00 3A	BRK #\$3A
\$68AB: AC 00 0F	LDY a0F00
\$68AE: F0 00	BEQ b68B0
\$68B0: 00 00	b68B0 BRK #\$00
\$68B2: 00 00	BRK #\$00
\$68B4: 00 00	BRK #\$00
\$68B6: 00 00	BRK #\$00
\$68B8: 00 00	BRK #\$00
\$68BA: 00 00	BRK #\$00
\$68BC: 00 00	BRK #\$00
\$68BE: 00 84	BRK #\$84
\$68C0: 03 C0	SLO (pC0,X)
\$68C2: 00 0E	BRK #\$0E
\$68C4: C0 00	CPY #\$00
\$68C6: 3A	NOP
\$68C7: C0 00	CPY #\$00
\$68C9: 3A	NOP
\$68CA: C0 00	CPY #\$00
\$68CC: 3E C0 00	ROL a00C0,X
\$68CF: 0E C0 00	ASL a00C0
\$68D2: 0E C0 00	ASL a00C0
\$68D5: 0E C0 00	ASL a00C0
\$68D8: 0E C0 00	ASL a00C0
\$68DB: 0E C0 00	ASL a00C0

\$68DE: 0E C0 00	ASL a00C0
\$68E1: 0E C0 00	ASL a00C0
\$68E4: 0E C0 00	ASL a00C0
\$68E7: 3E F0 00	ROL f00F0,X
\$68EA: 3A	NOP
\$68EB: B0 00	BCS b68ED
\$68ED: 3F F0 00	b68ED RLA f00F0,X
\$68F0: 00 00	BRK # \$00
\$68F2: 00 00	BRK # \$00
\$68F4: 00 00	BRK # \$00
\$68F6: 00 00	BRK # \$00
\$68F8: 00 00	BRK # \$00
\$68FA: 00 00	BRK # \$00
\$68FC: 00 00	BRK # \$00
\$68FE: 00 84	BRK # \$84
\$6900: 0F C0 00	SLO a00C0
\$6903: 3A	NOP
\$6904: B0 00	BCS b6906
\$6906: EB AC	b6906 SBC # \$AC
\$6908: 00 EC	BRK # \$EC
\$690A: EC 00 FC	CPX aFC00
\$690D: EC 00 00	CPX e0000
\$6910: EC 00 00	CPX e0000
\$6913: EC 00 03	CPX s0300
\$6916: B0 00	BCS b6918

\$6918: 0E B0 00 b6918 ASL a00B0  
\$691B: 3A NOP  
\$691C: C0 00 CPY # \$00  
\$691E: 3B 00 00 RLA e0000,Y  
\$6921: EC 00 00 CPX e0000  
\$6924: EC 3C 00 CPX f003C  
\$6927: EF EC 00 ISC f00EC  
\$692A: EA NOP  
\$692B: AC 00 FF LDY fff00  
\$692E: FC 00 00 NOP e0000,X  
\$6931: 00 00 BRK # \$00  
\$6933: 00 00 BRK # \$00  
\$6935: 00 00 BRK # \$00  
\$6937: 00 00 BRK # \$00  
\$6939: 00 00 BRK # \$00  
\$693B: 00 00 BRK # \$00  
\$693D: 00 00 BRK # \$00  
\$693F: 84 0F STY a0F  
\$6941: C0 00 CPY # \$00  
\$6943: 3A NOP  
\$6944: B0 00 BCS b6946  
\$6946: EB AC b6946 SBC # \$AC  
\$6948: 00 EC BRK # \$EC  
\$694A: EC 00 FC CPX aFC00  
\$694D: EC 00 00 CPX e0000

\$6950: EC 00 00 CPX e0000  
\$6953: EC 00 03 CPX s0300  
\$6956: B0 00 BCS b6958  
\$6958: 03 B0 b6958 SLO (pB0,X)  
\$695A: 00 00 BRK # \$00  
\$695C: EC 00 00 CPX e0000  
\$695F: EC 00 FC CPX aFC00  
\$6962: EC 00 EC CPX aEC00  
\$6965: EC 00 EB CPX aEB00  
\$6968: AC 00 3A LDY a3A00  
\$696B: B0 00 BCS b696D  
\$696D: 0F C0 00 b696D SLO a00C0  
\$6970: 00 00 BRK # \$00  
\$6972: 00 00 BRK # \$00  
\$6974: 00 00 BRK # \$00  
\$6976: 00 00 BRK # \$00  
\$6978: 00 00 BRK # \$00  
\$697A: 00 00 f697A BRK # \$00  
\$697C: 00 00 BRK # \$00  
\$697E: 00 84 BRK # \$84  
\$6980: 00 F0 BRK # \$F0  
\$6982: 00 00 BRK # \$00  
\$6984: F0 00 BEQ b6986  
\$6986: 03 B0 b6986 SLO (pB0,X)  
\$6988: 00 03 BRK # \$03



\$698A: B0 00        BCS b698C  
\$698C: 0E B0 00    b698C ASL a00B0  
\$698F: 0E B0 00        ASL a00B0  
\$6992: 3B B0 00        RLA a00B0,Y  
\$6995: 3B B0 00        RLA a00B0,Y  
\$6998: EF BC 00        ISC a00BC  
\$699B: EA            NOP  
\$699C: AC 00 FF        LDY fFF00  
\$699F: BC 00 03        LDY s0300,X  
\$69A2: B0 00        BCS b69A4  
\$69A4: 03 B0    b69A4 SLO (pB0,X)  
\$69A6: 00 0F        BRK #0F  
\$69A8: BC 00 0E        LDY f0E00,X  
\$69AB: AC 00 0F        LDY a0F00  
\$69AE: FC 00 00        NOP e0000,X  
\$69B1: 00 00        BRK #00  
\$69B3: 00 00        BRK #00  
\$69B5: 00 00        BRK #00  
\$69B7: 00 00        BRK #00  
\$69B9: 00 00        BRK #00  
\$69BB: 00 00        BRK #00  
\$69BD: 00 00        BRK #00  
\$69BF: 84 FF        STY aFF  
\$69C1: FC 00 EA        NOP fEA00,X  
\$69C4: AC 00 EF        LDY fEF00

b69C9 =\*+\$02

\$69C7: EC 00 EC CPX aEC00  
\$69CA: 3C 00 EC NOP aEC00,X  
\$69CD: 00 00 BRK # \$00  
\$69CF: EC 00 00 CPX e0000  
\$69D2: EF C0 00 ISC a00C0  
\$69D5: EA NOP  
\$69D6: B0 00 BCS b69D8  
\$69D8: EF AC 00 b69D8 ISC a00AC  
\$69DB: F0 EC BEQ b69C9  
\$69DD: 00 00 BRK # \$00  
\$69DF: EC 00 FC CPX aFC00  
\$69E2: EC 00 EC CPX aEC00  
\$69E5: EC 00 EB CPX aEB00  
\$69E8: AC 00 3A LDY a3A00  
\$69EB: B0 00 BCS b69ED  
\$69ED: 0F C0 00 b69ED SLO a00C0  
\$69F0: 00 00 BRK # \$00  
\$69F2: 00 00 BRK # \$00  
\$69F4: 00 00 BRK # \$00  
\$69F6: 00 00 BRK # \$00  
\$69F8: 00 00 BRK # \$00  
\$69FA: 00 00 BRK # \$00  
\$69FC: 00 00 BRK # \$00  
\$69FE: 00 84 BRK # \$84

\$6A00: 0F C0 00 SLO a00C0  
\$6A03: 3A NOP  
\$6A04: B0 00 BCS b6A06  
\$6A06: EB AC b6A06 SBC # \$AC  
\$6A08: 00 EC BRK # \$EC  
\$6A0A: EC 00 EC CPX aEC00  
\$6A0D: FC 00 EC NOP aEC00,X  
\$6A10: 00 00 BRK # \$00  
\$6A12: EF C0 00 ISC a00C0  
\$6A15: EA NOP  
\$6A16: B0 00 BCS b6A18  
\$6A18: EF AC 00 b6A18 ISC a00AC  
\$6A1B: EC EC 00 CPX f00EC  
\$6A1E: EC EC 00 CPX f00EC  
\$6A21: EC EC 00 CPX f00EC  
\$6A24: EC EC 00 CPX f00EC  
\$6A27: EB AC SBC # \$AC  
\$6A29: 00 3A BRK # \$3A  
\$6A2B: B0 00 BCS b6A2D  
\$6A2D: 0F C0 00 b6A2D SLO a00C0  
\$6A30: 00 00 BRK # \$00  
\$6A32: 00 00 BRK # \$00  
\$6A34: 00 00 BRK # \$00  
\$6A36: 00 00 BRK # \$00  
\$6A38: 00 00 BRK # \$00

\$6A3A: 00 00	BRK #00
\$6A3C: 00 00	BRK #00
\$6A3E: 00 84	BRK #84
\$6A40: FF FC 00	ISC f00FC,X
\$6A43: EA	NOP
\$6A44: AC 00 EF	LDY fEF00
\$6A47: EC 00 F0	CPX aF000
\$6A4A: EC 00 00	CPX e0000
\$6A4D: EC 00 00	CPX e0000
\$6A50: EC 00 03	CPX s0300
\$6A53: B0 00	BCS b6A55
\$6A55: 03 B0	b6A55 SLO (pB0,X)
\$6A57: 00 03	BRK #03
\$6A59: B0 00	BCS b6A5B
\$6A5B: 0E C0 00	b6A5B ASL a00C0
\$6A5E: 0E C0 00	ASL a00C0
\$6A61: 0E C0 00	ASL a00C0
\$6A64: 0E C0 00	ASL a00C0
\$6A67: 0E C0 00	ASL a00C0
\$6A6A: 0E C0 00	ASL a00C0
	a6A6E =*+01
\$6A6D: 0F C0 00	SLO a00C0
\$6A70: 00 00	BRK #00
\$6A72: 00 00	BRK #00
\$6A74: 00 00	BRK #00

\$6A76: 00 00 BRK # \$00  
\$6A78: 00 00 BRK # \$00  
\$6A7A: 00 00 BRK # \$00  
\$6A7C: 00 00 BRK # \$00  
\$6A7E: 00 84 BRK # \$84  
\$6A80: 0F C0 00 SLO a00C0  
\$6A83: 3A NOP  
\$6A84: B0 00 BCS b6A86  
\$6A86: EB AC b6A86 SBC # \$AC  
\$6A88: 00 EC BRK # \$EC  
\$6A8A: EC 00 EC CPX aEC00  
\$6A8D: EC 00 EC CPX aEC00  
\$6A90: EC 00 EB CPX aEB00  
\$6A93: AC 00 3A LDY a3A00  
\$6A96: B0 00 BCS b6A98  
\$6A98: 3A b6A98 NOP  
\$6A99: B0 00 BCS b6A9B  
\$6A9B: EB AC b6A9B SBC # \$AC  
\$6A9D: 00 EC BRK # \$EC  
\$6A9F: EC 00 EC CPX aEC00  
\$6AA2: EC 00 EC CPX aEC00  
\$6AA5: EC 00 EB CPX aEB00  
\$6AA8: AC 00 3A LDY a3A00  
\$6AAB: B0 00 BCS b6AAD  
\$6AAD: 0F C0 00 b6AAD SLO a00C0

\$6AB0: 00 00	BRK # \$00
\$6AB2: 00 00	BRK # \$00
\$6AB4: 00 00	BRK # \$00
\$6AB6: 00 00	BRK # \$00
\$6AB8: 00 00	BRK # \$00
\$6ABA: 00 00	BRK # \$00
\$6ABC: 00 00	BRK # \$00
\$6ABE: 00 84	BRK # \$84
\$6AC0: 0F C0 00	SLO a00C0
\$6AC3: 3A	NOP
\$6AC4: B0 00	BCS b6AC6
\$6AC6: EB AC	b6AC6 SBC # \$AC
\$6AC8: 00 EC	BRK # \$EC
\$6ACA: EC 00 EC	CPX aEC00
\$6ACD: EC 00 EC	CPX aEC00
\$6AD0: EC 00 EC	CPX aEC00
\$6AD3: EC 00 EB	CPX aEB00
\$6AD6: EC 00 3A	CPX a3A00
\$6AD9: AC 00 0F	LDY a0F00
\$6ADC: EC 00 00	CPX e0000
\$6ADF: EC 00 FC	CPX aFC00
\$6AE2: EC 00 EC	CPX aEC00
\$6AE5: EC 00 EB	CPX aEB00
\$6AE8: AC 00 3A	LDY a3A00
\$6AEB: B0 00	BCS b6AED

a6AEE =\*+\$01

\$6AED: 0F C0 00 b6AED SLO a00C0

\$6AF0: 00 00 BRK # \$00

\$6AF2: 00 00 BRK # \$00

\$6AF4: 00 00 BRK # \$00

\$6AF6: 00 00 BRK # \$00

\$6AF8: 00 00 BRK # \$00

\$6AFA: 00 00 BRK # \$00

\$6AFC: 00 00 BRK # \$00

\$6AFE: 00 84 BRK # \$84

\$6B00: 11 00 ORA (p00),Y

\$6B02: 00 21 BRK # \$21

\$6B04: 00 00 BRK # \$00

\$6B06: 28 PLP

\$6B07: 00 00 BRK # \$00

\$6B09: BE 00 00 LDX e0000,Y

\$6B0C: 28 PLP

\$6B0D: 00 00 BRK # \$00

\$6B0F: 48 f6B0F PHA

\$6B10: 00 00 BRK # \$00

\$6B12: 48 PHA

\$6B13: 00 00 BRK # \$00

\$6B15: 04 00 NOP a00

\$6B17: 00 00 BRK # \$00

\$6B19: 00 00 BRK # \$00

\$6B1B: 00 00	BRK # \$00
\$6B1D: 00 00	BRK # \$00
\$6B1F: 00 00	BRK # \$00
\$6B21: 00 00	BRK # \$00
\$6B23: 00 00	BRK # \$00
\$6B25: 00 00	BRK # \$00
\$6B27: 00 00	BRK # \$00
\$6B29: 00 00	BRK # \$00
\$6B2B: 00 00	BRK # \$00
\$6B2D: 00 00	BRK # \$00
\$6B2F: 00 00	BRK # \$00
\$6B31: 00 00	BRK # \$00
\$6B33: 00 00	BRK # \$00
\$6B35: 00 00	BRK # \$00
\$6B37: 00 00	BRK # \$00
\$6B39: 00 00	BRK # \$00
\$6B3B: 00 00	BRK # \$00
\$6B3D: 00 00	BRK # \$00
\$6B3F: 87 00	SAX a00
\$6B41: 00 00	BRK # \$00
\$6B43: 20 00 00	JSR e0000
\$6B46: B4 00	LDY f00,X
\$6B48: 00 A4	BRK # \$A4
\$6B4A: 00 00	BRK # \$00
\$6B4C: A4 00	LDY a00



\$6B4E: 00 98 BRK #98  
\$6B50: 00 00 BRK #00  
\$6B52: 20 00 00 JSR e0000  
\$6B55: 00 00 BRK #00  
\$6B57: 00 00 BRK #00  
f6B5A =\*+\$01  
\$6B59: 00 00 BRK #00  
f6B5C =\*+\$01  
\$6B5B: 00 00 BRK #00  
f6B5E =\*+\$01  
\$6B5D: 00 00 BRK #00  
\$6B5F: 00 00 BRK #00  
\$6B61: 00 00 BRK #00  
\$6B63: 00 00 BRK #00  
\$6B65: 00 00 BRK #00  
\$6B67: 00 00 BRK #00  
\$6B69: 00 00 BRK #00  
\$6B6B: 00 00 BRK #00  
\$6B6D: 00 00 BRK #00  
\$6B6F: 00 00 BRK #00  
\$6B71: 00 00 BRK #00  
\$6B73: 00 00 BRK #00  
\$6B75: 00 00 BRK #00  
\$6B77: 00 00 BRK #00  
f6B7A =\*+\$01

\$6B79: 00 00	BRK # \$00
\$6B7B: 00 00	BRK # \$00
\$6B7D: 00 00	BRK # \$00
\$6B7F: 87 00	SAX a00
\$6B81: 00 00	BRK # \$00
\$6B83: 24 00	BIT a00
\$6B85: 00 B6	BRK # \$B6
\$6B87: 00 00	BRK # \$00
\$6B89: E6 00	INC a00
\$6B8B: 00 A6	BRK # \$A6
\$6B8D: 00 00	BRK # \$00
\$6B8F: 96 00	STX f00,Y
\$6B91: 00 18	BRK # \$18
\$6B93: 00 00	BRK # \$00
\$6B95: 00 00	BRK # \$00
\$6B97: 00 00	BRK # \$00
\$6B99: 00 00	BRK # \$00
\$6B9B: 00 00	BRK # \$00
\$6B9D: 00 00	BRK # \$00
\$6B9F: 00 00	BRK # \$00
\$6BA1: 00 00	BRK # \$00
\$6BA3: 00 00	BRK # \$00
\$6BA5: 00 00	BRK # \$00
\$6BA7: 00 00	BRK # \$00
\$6BA9: 00 00	BRK # \$00

\$6BAB: 00 00	BRK # \$00
\$6BAD: 00 00	BRK # \$00
\$6BAF: 00 00	BRK # \$00
\$6BB1: 00 00	BRK # \$00
\$6BB3: 00 00	BRK # \$00
\$6BB5: 00 00	BRK # \$00
\$6BB7: 00 00	BRK # \$00
\$6BB9: 00 00	BRK # \$00
\$6BBB: 00 00	BRK # \$00
\$6BBD: 00 00	BRK # \$00
\$6BBF: 87 28	SAX a28
\$6BC1: 00 00	BRK # \$00
\$6BC3: AA	TAX
\$6BC4: 00 00	BRK # \$00
\$6BC6: E6 00	INC a00
\$6BC8: 00 E6	BRK # \$E6
\$6BCA: 00 00	BRK # \$00
\$6BCC: A6 00	LDX a00
\$6BCE: 00 A6	BRK # \$A6
\$6BD0: 00 00	BRK # \$00
\$6BD2: 96 00	STX f00,Y
\$6BD4: 00 28	BRK # \$28
\$6BD6: 00 00	BRK # \$00
\$6BD8: 00 00	BRK # \$00
\$6BDA: 00 00	BRK # \$00

\$6BDC: 00 00	BRK # \$00
\$6BDE: 00 00	BRK # \$00
\$6BE0: 00 00	BRK # \$00
\$6BE2: 00 00	BRK # \$00
\$6BE4: 00 00	BRK # \$00
\$6BE6: 00 00	BRK # \$00
\$6BE8: 00 00	BRK # \$00
\$6BEA: 00 00	BRK # \$00
\$6BEC: 00 00	f6BEC BRK # \$00
\$6BEE: 00 00	BRK # \$00
\$6BF0: 00 00	BRK # \$00
\$6BF2: 00 00	BRK # \$00
\$6BF4: 00 00	BRK # \$00
\$6BF6: 00 00	BRK # \$00
\$6BF8: 00 00	BRK # \$00
\$6BFA: 00 00	BRK # \$00
\$6BFC: 00 00	BRK # \$00
\$6BFE: 00 87	BRK # \$87
\$6C00: 00 00	BRK # \$00
\$6C02: 00 00	BRK # \$00
\$6C04: 00 00	BRK # \$00
\$6C06: 00 00	BRK # \$00
\$6C08: 00 01	BRK # \$01
\$6COA: 40	RTI

\$6C0B: 00 06 BRK #06  
\$6C0D: 90 00 BCC b6C0F  
\$6C0F: 1A b6C0F NOP  
\$6C10: 40 RTI  
  
\$6C11: 00 19 BRK #19  
\$6C13: 50 00 BVC b6C15  
\$6C15: 19 90 00 b6C15 ORA e0090,Y  
\$6C18: 16 90 ASL f90,X  
\$6C1A: 00 06 BRK #06  
\$6C1C: 50 00 BVC b6C1E  
\$6C1E: 01 40 b6C1E ORA (p40,X)  
\$6C20: 00 00 BRK #00  
\$6C22: 00 00 BRK #00  
\$6C24: 00 00 BRK #00  
\$6C26: 00 00 BRK #00  
\$6C28: 00 00 BRK #00  
\$6C2A: 00 00 BRK #00  
\$6C2C: 00 00 BRK #00  
\$6C2E: 00 00 BRK #00  
\$6C30: 00 00 BRK #00  
\$6C32: 00 00 BRK #00  
\$6C34: 00 00 BRK #00  
\$6C36: 00 00 BRK #00  
\$6C38: 00 00 BRK #00

\$6C3A: 00 00	BRK # \$00
\$6C3C: 00 00	f6C3C BRK # \$00
\$6C3E: 00 87	BRK # \$87
\$6C40: 00 00	BRK # \$00
\$6C42: 00 00	BRK # \$00
\$6C44: 00 00	BRK # \$00
\$6C46: 05 00	ORA a00
\$6C48: 00 1A	BRK # \$1A
\$6C4A: 40	RTI
\$6C4B: 00 16	BRK # \$16
\$6C4D: 90 00	BCC b6C4F
\$6C4F: 2A	b6C4F ROL
\$6C50: 50 00	BVC b6C52
\$6C52: 29 54	b6C52 AND # \$54
\$6C54: 00 29	BRK # \$29
\$6C56: A4 00	LDY a00
\$6C58: 16 A4	ASL fA4,X
\$6C5A: 00 06	BRK # \$06
\$6C5C: 94 00	STY f00,X
\$6C5E: 0A	ASL
\$6C5F: 54 00	NOP f00,X
\$6C61: 06 40	ASL a40
\$6C63: 00 01	BRK # \$01
\$6C65: 40	RTI

\$6C66: 00 00	BRK # \$00
\$6C68: 00 00	BRK # \$00
\$6C6A: 00 00	BRK # \$00
\$6C6C: 00 00	p6C6C BRK # \$00
\$6C6E: 00 00	BRK # \$00
\$6C70: 00 00	BRK # \$00
\$6C72: 00 00	BRK # \$00
\$6C74: 00 00	BRK # \$00
\$6C76: 00 00	BRK # \$00
\$6C78: 00 00	BRK # \$00
\$6C7A: 00 00	BRK # \$00
\$6C7C: 00 00	BRK # \$00
\$6C7E: 00 87	BRK # \$87
\$6C80: 00 00	BRK # \$00
\$6C82: 00 05	BRK # \$05
\$6C84: 50 00	BVC b6C86
\$6C86: 1A	b6C86 NOP
\$6C87: 90 00	BCC b6C89
\$6C89: 1A	b6C89 NOP
\$6C8A: 90 00	BCC b6C8C
\$6C8C: 56 50	b6C8C LSR f50,X
\$6C8E: 00 6A	BRK # \$6A
\$6C90: 54 00	NOP f00,X
\$6C92: 69 94	ADC # \$94

\$6C94: 00 69	BRK #69
\$6C96: 64 00	NOP a00
\$6C98: 65 A4	ADC aA4
\$6C9A: 00 16	BRK #16
\$6C9C: A4 00	LDY a00
\$6C9E: 02	JAM
\$6C9F: 54 00	NOP f00,X
\$6CA1: 06 40	ASL a40
\$6CA3: 00 0A	BRK #0A
\$6CA5: 40	RTI
\$6CA6: 00 05	BRK #05
\$6CA8: 40	RTI
\$6CA9: 00 00	BRK #00
\$6CAB: 00 00	BRK #00
\$6CAD: 00 00	BRK #00
\$6CAF: 00 00	BRK #00
\$6CB1: 00 00	BRK #00
\$6CB3: 00 00	BRK #00
\$6CB5: 00 00	BRK #00
\$6CB7: 00 00	BRK #00
\$6CB9: 00 00	BRK #00
\$6CBB: 00 00	BRK #00
\$6CBD: 00 00	BRK #00



\$6CBF: 87 05	SAX a05
\$6CC1: 40	RTI
\$6CC2: 00 1A	BRK # \$1A
\$6CC4: 94 00	STY f00,X
\$6CC6: 1A	NOP
\$6CC7: 94 00	STY f00,X
\$6CC9: 5A	NOP
\$6CCA: 54 00	NOP f00,X
\$6CCC: 56 50	LSR f50,X
\$6CCE: 00 A5	BRK # \$A5
\$6CD0: 54 00	NOP f00,X
\$6CD2: A9 94	LDA # \$94
\$6CD4: 00 A9	BRK # \$A9
\$6CD6: 94 00	STY f00,X
\$6CD8: A6 64	LDX a64
\$6CDA: 00 95	BRK # \$95
\$6CDC: A4 00	LDY a00
\$6CDE: 56 A4	LSR fA4,X
\$6CE0: 00 29	BRK # \$29
\$6CE2: A4 00	LDY a00
\$6CE4: 1A	NOP
\$6CE5: 94 00	STY f00,X
\$6CE7: 05 90	ORA a90
\$6CE9: 00 01	BRK # \$01

\$6CEB: 50 00	BVC b6CED
\$6CED: 00 00	b6CED BRK # \$00
\$6CEF: 00 00	BRK # \$00
\$6CF1: 00 00	BRK # \$00
\$6CF3: 00 00	BRK # \$00
\$6CF5: 00 00	BRK # \$00
\$6CF7: 00 00	BRK # \$00
\$6CF9: 00 00	BRK # \$00
\$6CFB: 00 00	BRK # \$00
\$6CFD: 00 00	BRK # \$00
\$6CFF: 87 06	SAX a06
\$6D01: 50 00	BVC b6D03
\$6D03: 1A	b6D03 NOP
\$6D04: A4 00	LDY a00
\$6D06: 5A	NOP
\$6D07: A4 00	LDY a00
\$6D09: 96 95	STX f95,Y
\$6D0B: 00 A6	BRK # \$A6
\$6D0D: 55 00	EOR f00,X
\$6D0F: A5 65	LDA a65
\$6D11: 00 A9	BRK # \$A9
\$6D13: A5 00	LDA a00
\$6D15: A5 94	LDA a94
\$6D17: 00 A5	BRK # \$A5
\$6D19: 65 00	ADC a00

\$6D1B: 95 69	STA f69,X
\$6D1D: 00 55	BRK #\$55
\$6D1F: A9 00	LDA #\$00
\$6D21: 69 A9	ADC #\$A9
\$6D23: 00 29	BRK #\$29
\$6D25: A5 00	LDA a00
\$6D27: 29 95	AND #\$95
\$6D29: 00 19	BRK #\$19
\$6D2B: 54 00	NOP f00,X
\$6D2D: 05 40	ORA a40
\$6D2F: 00 00	BRK #\$00
\$6D31: 00 00	BRK #\$00
\$6D33: 00 00	BRK #\$00
\$6D35: 00 00	BRK #\$00
\$6D37: 00 00	BRK #\$00
\$6D39: 00 00	BRK #\$00
\$6D3B: 00 00	BRK #\$00
\$6D3D: 00 00	BRK #\$00
\$6D3F: 87 06	SAX a06
\$6D41: 90 00	BCC b6D43
\$6D43: 1A	b6D43 NOP
\$6D44: A4 00	LDY a00
\$6D46: 5A	NOP
\$6D47: A4 00	LDY a00
\$6D49: 96 95	STX f95,Y

\$6D4B: 00 A6	BRK #A6
\$6D4D: 59 00 95	EOR f9500,Y
\$6D50: 69 00	ADC #00
\$6D52: 9A	TXS
\$6D53: 65 00	ADC a00
\$6D55: 99 54 00	STA f0054,Y
\$6D58: A6 59	LDX a59
\$6D5A: 00 96	BRK #96
\$6D5C: 69 00	ADC #00
\$6D5E: 56 69	LSR f69,X
\$6D60: 00 65	BRK #65
\$6D62: 69 00	ADC #00
\$6D64: 69 A9	ADC #A9
\$6D66: 00 29	BRK #29
\$6D68: A5 00	LDA a00
\$6D6A: 29 94	AND #94
f6D6D	=*+01
\$6D6C: 00 15	BRK #15
\$6D6E: 40	RTI
\$6D6F: 00 00	BRK #00
\$6D71: 00 00	BRK #00
\$6D73: 00 00	BRK #00
\$6D75: 00 00	BRK #00
\$6D77: 00 00	BRK #00

\$6D79: 00 00	BRK # \$00
\$6D7B: 00 00	BRK # \$00
\$6D7D: 00 00	BRK # \$00
\$6D7F: 87 00	SAX a00
\$6D81: FF 00 FF	ISC fff00,X
\$6D84: 00 FF	BRK # \$FF
\$6D86: 00 FF	BRK # \$FF
\$6D88: 00 FF	BRK # \$FF
\$6D8A: 00 FF	BRK # \$FF
\$6D8C: 00 FF	BRK # \$FF
\$6D8E: 00 FF	BRK # \$FF
\$6D90: 00 FF	BRK # \$FF
\$6D92: 00 FF	BRK # \$FF
\$6D94: 00 FF	BRK # \$FF
\$6D96: 00 FF	BRK # \$FF
\$6D98: 00 FF	BRK # \$FF
\$6D9A: 00 FF	BRK # \$FF
\$6D9C: 00 FF	BRK # \$FF
\$6D9E: 00 FF	BRK # \$FF
\$6DA0: 00 FF	BRK # \$FF
\$6DA2: 00 FF	BRK # \$FF
\$6DA4: 00 FF	BRK # \$FF
\$6DA6: 00 FF	BRK # \$FF
\$6DA8: 00 FF	BRK # \$FF
\$6DAA: 00 FF	BRK # \$FF

\$6DAC: 00 FF	BRK # \$FF
\$6DAE: 00 FF	BRK # \$FF
\$6DB0: 00 FF	BRK # \$FF
\$6DB2: 00 FF	BRK # \$FF
\$6DB4: 00 FF	BRK # \$FF
\$6DB6: 00 FF	BRK # \$FF
\$6DB8: 00 FF	BRK # \$FF
\$6DBA: 00 FF	BRK # \$FF
\$6DBC: 00 FF	BRK # \$FF
\$6DBE: 00 FF	BRK # \$FF
\$6DC0: 00 FF	BRK # \$FF
\$6DC2: 00 FF	BRK # \$FF
\$6DC4: 00 FF	BRK # \$FF
\$6DC6: 00 FF	BRK # \$FF
\$6DC8: 00 FF	BRK # \$FF
\$6DCA: 00 FF	BRK # \$FF
\$6DCC: 00 FF	BRK # \$FF
\$6DCE: 00 FF	BRK # \$FF
\$6DD0: 00 FF	BRK # \$FF
\$6DD2: 00 FF	BRK # \$FF
\$6DD4: 00 FF	BRK # \$FF
\$6DD6: 00 FF	BRK # \$FF
\$6DD8: 00 FF	BRK # \$FF
\$6DDA: 00 FF	BRK # \$FF
\$6DDC: 00 FF	BRK # \$FF

\$6DDE: 00 FF BRK #\$FF

\$6DE0: 00 FF BRK #\$FF

\$6DE2: 00 FF BRK #\$FF

\$6DE4: 00 FF BRK #\$FF

\$6DE6: 00 FF BRK #\$FF

\$6DE8: 00 FF BRK #\$FF

\$6DEA: 00 FF BRK #\$FF

\$6DEC: 00 FF BRK #\$FF

\$6DEE: 00 FF BRK #\$FF

\$6DF0: 00 FF BRK #\$FF

\$6DF2: 00 FF BRK #\$FF

\$6DF4: 00 FF BRK #\$FF

\$6DF6: 00 FF BRK #\$FF

\$6DF8: 00 FF BRK #\$FF

\$6DFA: 00 FF BRK #\$FF

\$6DFC: 00 FF BRK #\$FF

\$6DFE: 98 TYA

f6E00 =\*+\$01

\$6DFF: 23 7D RLA (p7D,X)

\$6E01: 00 00 BRK #\$00

\$6E03: AF 00 00 LAX e0000

\$6E06: 6A ROR

\$6E07: 00 00 BRK #\$00

\$6E09: 69 00 ADC #\$00

\$6E0B: 00 59 BRK #\$59

\$6E0D: 00 00	BRK # \$00
\$6E0F: 65 00	ADC a00
\$6E11: 00 15	BRK # \$15
\$6E13: 00 00	BRK # \$00
\$6E15: 44 00	NOP a00
\$6E17: 00 00	BRK # \$00
\$6E19: 00 00	BRK # \$00
\$6E1B: 00 00	BRK # \$00
\$6E1D: 00 00	BRK # \$00
\$6E1F: 00 00	BRK # \$00
\$6E21: 00 00	BRK # \$00
\$6E23: 00 00	BRK # \$00
\$6E25: 00 00	BRK # \$00
\$6E27: 00 00	BRK # \$00
\$6E29: 00 00	BRK # \$00
\$6E2B: 00 00	BRK # \$00
\$6E2D: 00 00	BRK # \$00
\$6E2F: 00 00	BRK # \$00
\$6E31: 00 00	BRK # \$00
\$6E33: 00 00	BRK # \$00
\$6E35: 00 00	BRK # \$00
\$6E37: 00 00	BRK # \$00
\$6E39: 00 00	BRK # \$00
\$6E3B: 00 00	BRK # \$00
\$6E3D: 00 00	BRK # \$00



\$6E3F: 87 1E	SAX a1E
\$6E41: 00 00	BRK # \$00
\$6E43: 6B 00	ARR # \$00
\$6E45: 00 5A	BRK # \$5A
\$6E47: 00 00	BRK # \$00
\$6E49: 25 00	AND a00
\$6E4B: 00 55	BRK # \$55
\$6E4D: 00 00	BRK # \$00
\$6E4F: 54 00	NOP f00,X
\$6E51: 00 14	BRK # \$14
\$6E53: 00 00	BRK # \$00
\$6E55: 50 00	BVC b6E57
\$6E57: 00 00	b6E57 BRK # \$00
\$6E59: 00 00	BRK # \$00
\$6E5B: 00 00	BRK # \$00
\$6E5D: 00 00	BRK # \$00
\$6E5F: 00 00	BRK # \$00
\$6E61: 00 00	BRK # \$00
\$6E63: 00 00	BRK # \$00
	f6E66 =*+\$01
\$6E65: 00 00	BRK # \$00
	f6E68 =*+\$01
\$6E67: 00 00	BRK # \$00
\$6E69: 00 00	BRK # \$00
\$6E6B: 00 00	BRK # \$00

p6E6E =\*+\$01

\$6E6D: 00 00	BRK # \$00
\$6E6F: 00 00	BRK # \$00
\$6E71: 00 00	BRK # \$00
\$6E73: 00 00	BRK # \$00
\$6E75: 00 00	BRK # \$00
\$6E77: 00 00	BRK # \$00
\$6E79: 00 00	BRK # \$00
\$6E7B: 00 00	BRK # \$00
\$6E7D: 00 00	BRK # \$00
\$6E7F: 87 00	SAX a00
\$6E81: 00 00	BRK # \$00
\$6E83: 55 00	EOR f00,X
\$6E85: 00 5B	BRK # \$5B
\$6E87: 00 00	BRK # \$00
\$6E89: AB 00	LAX # \$00
\$6E8B: 00 5A	BRK # \$5A
\$6E8D: 00 00	BRK # \$00
\$6E8F: 55 00	EOR f00,X
\$6E91: 00 15	BRK # \$15
\$6E93: 00 00	BRK # \$00
\$6E95: 00 00	BRK # \$00
\$6E97: 00 00	BRK # \$00
\$6E99: 00 00	BRK # \$00
\$6E9B: 00 00	BRK # \$00

\$6E9D: 00 00	BRK # \$00
\$6E9F: 00 00	BRK # \$00
\$6EA1: 00 00	BRK # \$00
\$6EA3: 00 00	BRK # \$00
\$6EA5: 00 00	BRK # \$00
\$6EA7: 00 00	BRK # \$00
\$6EA9: 00 00	BRK # \$00
\$6EAB: 00 00	BRK # \$00
\$6EAD: 00 00	BRK # \$00
\$6EAF: 00 00	f6EAF BRK # \$00
\$6EB1: 00 00	BRK # \$00
\$6EB3: 00 00	BRK # \$00
\$6EB5: 00 00	BRK # \$00
\$6EB7: 00 00	BRK # \$00
\$6EB9: 00 00	BRK # \$00
\$6EBB: 00 00	BRK # \$00
\$6EBD: 00 00	BRK # \$00
\$6EBF: 87 54	SAX a54
\$6EC1: 00 00	BRK # \$00
\$6EC3: 54 00	NOP f00,X
\$6EC5: 00 54	BRK # \$54
\$6EC7: 00 00	BRK # \$00
\$6EC9: 65 00	ADC a00
\$6ECB: 00 59	BRK # \$59
\$6ECD: 00 00	BRK # \$00

\$6ECF: 6A	ROR
\$6ED0: 00 00	BRK # \$00
\$6ED2: 6F 00 00	RRA e0000
\$6ED5: 1D 00 00	ORA e0000,X
\$6ED8: 00 00	BRK # \$00
\$6EDA: 00 00	BRK # \$00
\$6EDC: 00 00	BRK # \$00
\$6EDE: 00 00	BRK # \$00
\$6EE0: 00 00	BRK # \$00
\$6EE2: 00 00	BRK # \$00
\$6EE4: 00 00	BRK # \$00
\$6EE6: 00 00	BRK # \$00
\$6EE8: 00 00	BRK # \$00
\$6EEA: 00 00	BRK # \$00
\$6EEC: 00 00	BRK # \$00
\$6EEE: 00 00	BRK # \$00
\$6EF0: 00 00	BRK # \$00
\$6EF2: 00 00	BRK # \$00
\$6EF4: 00 00	BRK # \$00
\$6EF6: 00 00	BRK # \$00
\$6EF8: 00 00	BRK # \$00
\$6EFA: 00 00	BRK # \$00
\$6EFC: 00 00	BRK # \$00
\$6EFE: 00 87	BRK # \$87
\$6F00: 14 00	f6F00 NOP f00,X

\$6F02: 00 14	BRK # \$14
\$6F04: 00 00	BRK # \$00
\$6F06: 55 00	EOR f00,X
\$6F08: 00 65	BRK # \$65
\$6F0A: 00 00	BRK # \$00
\$6F0C: 59 00 00	EOR e0000,Y
\$6F0F: 69 00	ADC # \$00
\$6F11: 00 6D	BRK # \$6D
\$6F13: 00 00	BRK # \$00
\$6F15: 74 00	NOP f00,X
\$6F17: 00 00	BRK # \$00
\$6F19: 00 00	BRK # \$00
\$6F1B: 00 00	BRK # \$00
\$6F1D: 00 00	BRK # \$00
\$6F1F: 00 00	BRK # \$00
\$6F21: 00 00	BRK # \$00
\$6F23: 00 00	BRK # \$00
\$6F25: 00 00	BRK # \$00
\$6F27: 00 00	BRK # \$00
\$6F29: 00 00	BRK # \$00
\$6F2B: 00 00	BRK # \$00
\$6F2D: 00 00	BRK # \$00
\$6F2F: 00 00	BRK # \$00
\$6F31: 00 00	BRK # \$00
\$6F33: 00 00	BRK # \$00

\$6F35: 00 00	BRK # \$00
\$6F37: 00 00	BRK # \$00
\$6F39: 00 00	BRK # \$00
\$6F3B: 00 00	BRK # \$00
\$6F3D: 00 00	BRK # \$00
\$6F3F: 87 05	SAX a05
\$6F41: 00 00	BRK # \$00
\$6F43: 15 00	ORA f00,X
\$6F45: 00 15	BRK # \$15
\$6F47: 00 00	BRK # \$00
\$6F49: 59 00 00	EOR e0000,Y
\$6F4C: 64 00	NOP a00
\$6F4E: 00 A5	BRK # \$A5
\$6F50: 00 00	BRK # \$00
\$6F52: E5 00	SBC a00
\$6F54: 00 74	BRK # \$74
\$6F56: 00 00	BRK # \$00
\$6F58: 00 00	BRK # \$00

f6F5B =\*+\$01

\$6F5A: 00 00	BRK # \$00
\$6F5C: 00 00	BRK # \$00
\$6F5E: 00 00	BRK # \$00
\$6F60: 00 00	BRK # \$00
\$6F62: 00 00	BRK # \$00
\$6F64: 00 00	BRK # \$00

\$6F66: 00 00 BRK # \$00

\$6F68: 00 00 BRK # \$00

\$6F6A: 00 00 BRK # \$00

\$6F6C: 00 00 BRK # \$00

f6F6F =\*+ \$01

\$6F6E: 00 00 f6F6E BRK # \$00

\$6F70: 00 00 BRK # \$00

\$6F72: 00 00 BRK # \$00

\$6F74: 00 00 BRK # \$00

\$6F76: 00 00 BRK # \$00

\$6F78: 00 00 BRK # \$00

\$6F7A: 00 00 BRK # \$00

\$6F7C: 00 00 BRK # \$00

f6F7F =\*+ \$01

\$6F7E: 00 87 BRK # \$87

\$6F80: 00 00 BRK # \$00

\$6F82: 00 65 BRK # \$65

\$6F84: 00 00 BRK # \$00

\$6F86: B9 00 00 LDA e0000,Y

\$6F89: E9 00 SBC # \$00

\$6F8B: 00 E5 BRK # \$E5

\$6F8D: 00 00 BRK # \$00

\$6F8F: 59 00 00 EOR e0000,Y

\$6F92: 15 00 ORA f00,X

\$6F94: 00 01 BRK # \$01

\$6F96: 00 00	BRK #\$00
\$6F98: 00 00	BRK #\$00
\$6F9A: 00 00	BRK #\$00
\$6F9C: 00 00	BRK #\$00
\$6F9E: 00 00	BRK #\$00
\$6FA0: 00 00	BRK #\$00
\$6FA2: 00 00	BRK #\$00
\$6FA4: 00 00	BRK #\$00
\$6FA6: 00 00	BRK #\$00
\$6FA8: 00 00	BRK #\$00
\$6FAA: 00 00	BRK #\$00
\$6FAC: 00 00	BRK #\$00
\$6FAE: 00 00	BRK #\$00
\$6FB0: 00 00	BRK #\$00
\$6FB2: 00 00	BRK #\$00
\$6FB4: 00 00	BRK #\$00
\$6FB6: 00 00	BRK #\$00
\$6FB8: 00 00	BRK #\$00
\$6FBA: 00 00	BRK #\$00
\$6FBC: 00 00	BRK #\$00
\$6FBE: 00 87	BRK #\$87
\$6FC0: 74 00	NOP f00,X
\$6FC2: 00 E4	BRK #\$E4
\$6FC4: 00 00	BRK #\$00
\$6FC6: A4 00	LDY a00



\$6FC8: 00 65	BRK # \$65
\$6FCA: 00 00	BRK # \$00
\$6FCC: 59 00 00	EOR e0000,Y
\$6FCF: 55 00	EOR f00,X
\$6FD1: 00 15	BRK # \$15
\$6FD3: 00 00	BRK # \$00
\$6FD5: 05 00	ORA a00
\$6FD7: 00 00	BRK # \$00
\$6FD9: 00 00	BRK # \$00
\$6FDB: 00 00	BRK # \$00
\$6FDD: 00 00	BRK # \$00
\$6FDF: 00 00	BRK # \$00
\$6FE1: 00 00	BRK # \$00
\$6FE3: 00 00	BRK # \$00
\$6FE5: 00 00	BRK # \$00
\$6FE7: 00 00	BRK # \$00
\$6FE9: 00 00	BRK # \$00
\$6FEB: 00 00	BRK # \$00
\$6FED: 00 00	BRK # \$00
\$6FEF: 00 00	BRK # \$00
\$6FF1: 00 00	BRK # \$00
\$6FF3: 00 00	BRK # \$00
\$6FF5: 00 00	BRK # \$00
\$6FF7: 00 00	BRK # \$00
\$6FF9: 00 00	BRK # \$00

\$6FFB: 00 00	BRK # \$00
\$6FFD: 00 00	BRK # \$00
\$6FFF: 87 02	SAX a02
\$7001: 00 00	BRK # \$00
\$7003: 0A	ASL
\$7004: 8C 00 0A	STY a0A00
\$7007: 8C 00 0A	STY a0A00
\$700A: 8C 00 1A	STY a1A00
\$700D: 9C 00 16	SHY a1600,X
\$7010: 5C 00 15	NOP f1500,X
\$7013: 50 00	BVC b7015
\$7015: 25 60	b7015 AND a60
\$7017: 00 06	BRK # \$06
\$7019: 40	RTI
\$701A: 00 0A	BRK # \$0A
\$701C: 80 00	NOP # \$00
\$701E: 0A	ASL
\$701F: 80 00	NOP # \$00
\$7021: 08	PHP
\$7022: 80 00	NOP # \$00
\$7024: 04 40	NOP a40
\$7026: 00 08	BRK # \$08
\$7028: 80 00	NOP # \$00
\$702A: 00 00	BRK # \$00

\$702C: 00 00	BRK # \$00
\$702E: 00 00	BRK # \$00
\$7030: 00 00	a7030 BRK # \$00
\$7032: 00 00	BRK # \$00
\$7034: 00 00	BRK # \$00
\$7036: 00 00	BRK # \$00
\$7038: 00 00	BRK # \$00
\$703A: 00 00	BRK # \$00
\$703C: 00 00	f703C BRK # \$00
\$703E: 00 00	BRK # \$00
\$7040: 02	JAM
\$7041: 80 00	NOP # \$00
\$7043: 0A	ASL
\$7044: 80 00	NOP # \$00
\$7046: 0A	f7046 ASL
\$7047: B0 00	BCS b7049
\$7049: 0A	b7049 ASL
\$704A: F0 00	BEQ b704C
\$704C: 0B B0	b704C ANC # \$B0
\$704E: 00 1B	BRK # \$1B
\$7050: B0 00	BCS b7052
\$7052: 17 50	b7052 SLO f50,X
\$7054: 00 16	BRK # \$16
\$7056: 70 00	BVS b7058
\$7058: 2A	b7058 ROL

\$7059: 70 00 BVS b705B

\$705B: 0A b705B ASL

\$705C: 40 f705C RTI

\$705D: 00 0A BRK # \$0A

\$705F: 80 00 NOP # \$00

\$7061: 06 80 ASL a80

\$7063: 00 04 BRK # \$04

\$7065: 40 RTI

\$7066: 00 00 BRK # \$00

\$7068: 50 00 BVC b706A

\$706A: 00 40 b706A BRK # \$40

\$706C: 00 00 BRK # \$00

\$706E: 00 00 BRK # \$00

\$7070: 00 00 f7070 BRK # \$00

\$7072: 00 00 BRK # \$00

\$7074: 00 00 BRK # \$00

\$7076: 00 00 BRK # \$00

\$7078: 00 00 BRK # \$00

\$707A: 00 00 BRK # \$00

\$707C: 00 00 BRK # \$00

f707F =\*+ \$01

\$707E: 00 00 BRK # \$00

\$7080: 0A ASL

\$7081: 00 00	BRK # \$00
\$7083: 2A	ROL
\$7084: 00 00	BRK # \$00
\$7086: 2B 00	ANC # \$00
\$7088: 00 EF	BRK # \$EF
\$708A: 00 00	BRK # \$00
\$708C: FF 00 00	ISC e0000,X
\$708F: FF 00 00	ISC e0000,X
\$7092: E6 80	INC a80
\$7094: 00 16	BRK # \$16
\$7096: 40	RTI
\$7097: 00 1D	BRK # \$1D
\$7099: 40	RTI
\$709A: 00 19	BRK # \$19
\$709C: 80 00	NOP # \$00
\$709E: 1B 00 00	SLO e0000,Y
\$70A1: 06 00	ASL a00
\$70A3: 00 05	BRK # \$05
\$70A5: 00 00	BRK # \$00
\$70A7: 04 00	NOP a00
\$70A9: 00 05	BRK # \$05
\$70AB: 00 00	BRK # \$00
\$70AD: 00 00	BRK # \$00

\$70AF: 00 00	BRK # \$00
\$70B1: 00 00	BRK # \$00
\$70B3: 00 00	BRK # \$00
\$70B5: 00 00	BRK # \$00
\$70B7: 00 00	BRK # \$00
\$70B9: 00 00	BRK # \$00
\$70BB: 00 00	BRK # \$00
\$70BD: 00 00	BRK # \$00
\$70BF: 00 0A	BRK # \$0A
\$70C1: 00 00	BRK # \$00
\$70C3: 2A	ROL
\$70C4: 00 00	BRK # \$00
\$70C6: 2D 00 00	AND e0000
\$70C9: FD 00 00	SBC e0000,X
\$70CC: FD 00 00	SBC e0000,X
\$70CF: FE 80 00	INC a0080,X
\$70D2: 19 40 00	ORA f0040,Y
\$70D5: 1A	NOP
\$70D6: 40	RTI
\$70D7: 00 35	BRK # \$35
\$70D9: 40	RTI
\$70DA: 00 15	BRK # \$15
\$70DC: 80 00	NOP # \$00

\$70DE: 1E 00 00	ASL e0000,X
\$70E1: 29 00	AND #\$00
\$70E3: 00 19	BRK #\$19
\$70E5: 80 00	NOP #\$00
\$70E7: 1A	NOP
\$70E8: 40	RTI
\$70E9: 00 04	BRK #\$04
\$70EB: 00 00	BRK #\$00
\$70ED: 00 00	BRK #\$00
\$70EF: 00 00	BRK #\$00
\$70F1: 00 00	BRK #\$00
\$70F3: 00 00	a70F3 BRK #\$00
\$70F5: 00 00	BRK #\$00
\$70F7: 00 00	BRK #\$00
\$70F9: 00 00	BRK #\$00
\$70FB: 00 00	BRK #\$00
\$70FD: 00 00	BRK #\$00
\$70FF: 00 02	BRK #\$02
\$7101: 00 00	BRK #\$00
\$7103: 3A	NOP
\$7104: 80 00	NOP #\$00
\$7106: 35 40	AND f40,X
\$7108: 00 35	BRK #\$35
\$710A: 40	RTI

\$710B: 00 39	BRK #39
\$710D: 80 00	NOP #00
\$710F: 36 60	ROL f60,X
\$7111: 00 15	BRK #15
\$7113: 50 00	BVC b7115
\$7115: 19 50 00	b7115 ORA f0050,Y
\$7118: 3A	NOP
\$7119: 60	RTS
\$711A: 00 15	BRK #15
\$711C: 60	RTS
\$711D: 00 15	BRK #15
\$711F: 60	RTS
\$7120: 00 3A	BRK #3A
\$7122: 80 00	b7122 NOP #00
\$7124: 08	PHP
\$7125: 80 00	NOP #00
\$7127: 04 40	NOP a40
\$7129: 00 00	BRK #00
\$712B: 40	RTI
\$712C: 00 00	BRK #00



\$712E: 00 00	BRK # \$00
\$7130: 00 00	BRK # \$00
\$7132: 00 00	BRK # \$00
\$7134: 00 00	BRK # \$00
\$7136: 00 00	BRK # \$00
\$7138: 00 00	BRK # \$00
\$713A: 00 00	BRK # \$00
\$713C: 00 00	BRK # \$00
\$713E: 00 00	BRK # \$00
\$7140: 32	JAM
\$7141: 80 00	NOP # \$00
\$7143: 3E A0 00	ROL f00A0,X
\$7146: 3D 60 00	AND f0060,X
\$7149: 3D 60 00	AND f0060,X
\$714C: 0D A0 00	ORA f00A0
\$714F: 06 58	ASL a58
\$7151: 00 05	BRK # \$05
\$7153: 58	CLI
\$7154: 00 0D	BRK # \$0D
\$7156: 98	TYA
\$7157: 00 05	BRK # \$05
\$7159: 58	CLI
\$715A: 00 05	BRK # \$05
\$715C: 58	CLI
\$715D: 00 01	BRK # \$01

\$715F: A0 00	LDY #00
\$7161: 01 10	ORA (p10,X)
\$7163: 00 01	BRK #01
\$7165: 10 00	BPL b7167
\$7167: 06 10	b7167 ASL a10
\$7169: 00 00	BRK #00
\$716B: 60	RTS
\$716C: 00 00	BRK #00
\$716E: 00 00	BRK #00
\$7170: 00 00	BRK #00
\$7172: 00 00	BRK #00
\$7174: 00 00	BRK #00
\$7176: 00 00	BRK #00
\$7178: 00 00	BRK #00
\$717A: 00 00	BRK #00
\$717C: 00 00	BRK #00
\$717E: 00 00	BRK #00
\$7180: 30 A0	BMI b7122
\$7182: 00 3F	BRK #3F
\$7184: A8	TAY
\$7185: 00 3F	BRK #3F
\$7187: 68	PLA
\$7188: 00 3C	BRK #3C
\$718A: 68	PLA

\$718B: 00 04	BRK #S04
\$718D: A8	TAY
\$718E: 00 06	BRK #S06
\$7190: 54 00	NOP f00,X
\$7192: 0E 54 00	ASL f0054
\$7195: 0C 94 00	NOP a0094
\$7198: 05 58	ORA a58
\$719A: 00 05	BRK #S05
\$719C: 50 00	BVC b719E
\$719E: 00 A0	b719E BRK #SA0
\$71A0: 00 00	BRK #S00
\$71A2: 90 00	BCC b71A4
\$71A4: 00 90	b71A4 BRK #S90
\$71A6: 00 00	BRK #S00
\$71A8: 90 00	BCC b71AA
\$71AA: 00 50	b71AA BRK #S50
\$71AC: 00 00	BRK #S00
\$71AE: 00 00	BRK #S00
\$71B0: 00 00	BRK #S00
\$71B2: 00 00	BRK #S00
\$71B4: 00 00	BRK #S00
\$71B6: 00 00	BRK #S00
\$71B8: 00 00	BRK #S00
\$71BA: 00 00	BRK #S00
\$71BC: 00 00	BRK #S00

\$71BE: 00 00	BRK # \$00
\$71C0: 02	JAM
\$71C1: 80 00	NOP # \$00
\$71C3: 0E A0 00	ASL f00A0
\$71C6: 0E A0 00	ASL f00A0
\$71C9: 0E A0 00	ASL f00A0
\$71CC: 02	JAM
\$71CD: A0 00	LDY # \$00
\$71CF: 0D 60 00	ORA f0060
\$71D2: 0E 50 00	ASL f0050
\$71D5: 15 50	ORA f50,X
\$71D7: 00 15	BRK # \$15
\$71D9: 60	RTS
\$71DA: 00 02	BRK # \$02
\$71DC: A0 00	LDY # \$00
\$71DE: 01 A0	ORA (pA0,X)
\$71E0: 00 01	BRK # \$01
\$71E2: 20 00 01	JSR a0100
\$71E5: 20 00 05	JSR s0500
\$71E8: 00 00	BRK # \$00
\$71EA: 01 00	ORA (p00,X)
\$71EC: 00 00	BRK # \$00
\$71EE: 00 00	BRK # \$00
\$71F0: 00 00	BRK # \$00

\$71F2: 00 00	BRK # \$00
\$71F4: 00 00	BRK # \$00
\$71F6: 00 00	BRK # \$00
\$71F8: 00 00	BRK # \$00
\$71FA: 00 00	BRK # \$00
\$71FC: 00 00	BRK # \$00
\$71FE: 00 00	BRK # \$00
\$7200: 02	JAM
\$7201: 00 00	BRK # \$00
\$7203: 0A	ASL
\$7204: 80 00	NOP # \$00
\$7206: 0A	ASL
\$7207: 8C 00 0A	STY a0A00
\$720A: 8C 00 1A	STY a1A00
\$720D: 9C 00 16	SHY a1600,X
\$7210: 5C 00 25	NOP f2500,X
\$7213: 5C 00 05	NOP s0500,X
\$7216: 50 00	BVC b7218
\$7218: 06 60	b7218 ASL a60
\$721A: 00 0A	BRK # \$0A
\$721C: 80 00	NOP # \$00
\$721E: 0A	ASL
\$721F: 80 00	NOP # \$00
\$7221: 08	PHP
\$7222: 80 00	NOP # \$00

\$7224: 04 80	NOP a80
\$7226: 00 04	BRK # \$04
\$7228: 00 00	BRK # \$00
\$722A: 08	PHP
\$722B: 00 00	BRK # \$00
\$722D: 00 00	BRK # \$00
\$722F: 00 00	BRK # \$00
\$7231: 00 00	BRK # \$00
\$7233: 00 00	BRK # \$00
\$7235: 00 00	BRK # \$00
\$7237: 00 00	BRK # \$00
\$7239: 00 00	BRK # \$00
\$723B: 00 00	BRK # \$00
\$723D: 00 00	BRK # \$00
\$723F: 00 02	BRK # \$02
\$7241: 80 00	NOP # \$00
\$7243: 0A	ASL
\$7244: 80 00	NOP # \$00
\$7246: 0A	ASL
\$7247: C0 00	CPY # \$00
\$7249: 0A	ASL
\$724A: F0 00	BEQ b724C
\$724C: 0A	b724C ASL
\$724D: B0 00	BCS b724F
\$724F: 1B 80 00	b724F SLO a0080,Y

\$7252: 17 40	SLO f40,X
\$7254: 00 27	BRK #27
\$7256: 50 00	BVC b7258
\$7258: 0A	b7258 ASL
\$7259: 70 00	BVS b725B
\$725B: 0A	b725B ASL
\$725C: 60	RTS
\$725D: 00 0A	BRK #0A
\$725F: A0 00	LDY #00
\$7261: 16 90	ASL f90,X
\$7263: 00 18	BRK #18
\$7265: 18	CLC
\$7266: 00 04	BRK #04
\$7268: 10 00	BPL b726A
\$726A: 00 00	b726A BRK #00
\$726C: 00 00	BRK #00
\$726E: 00 00	BRK #00
\$7270: 00 00	BRK #00
\$7272: 00 00	BRK #00
\$7274: 00 00	BRK #00
\$7276: 00 00	BRK #00
\$7278: 00 00	BRK #00
\$727A: 00 00	BRK #00
\$727C: 00 00	BRK #00

\$727E: 00 00	BRK # \$00
\$7280: 0A	ASL
\$7281: 00 00	BRK # \$00
\$7283: 2A	ROL
\$7284: 00 00	BRK # \$00
\$7286: 3A	NOP
\$7287: C0 00	CPY # \$00
\$7289: 3F C0 00	RLA a00C0,X
\$728C: 3F C0 00	RLA a00C0,X
\$728F: 3A	NOP
\$7290: C0 00	CPY # \$00
\$7292: 26 80	ROL a80
\$7294: 00 26	BRK # \$26
\$7296: 40	RTI
\$7297: 00 1D	BRK # \$1D
\$7299: 40	RTI
\$729A: 00 15	BRK # \$15
\$729C: 80 00	NOP # \$00
\$729E: 16 00	ASL f00,X
\$72A0: 00 29	BRK # \$29
\$72A2: 00 00	BRK # \$00
\$72A4: 19 00 00	ORA e0000,Y
\$72A7: 01 00	ORA (p00,X)



\$72A9: 00 01	BRK # \$01
\$72AB: 40	RTI
\$72AC: 00 00	BRK # \$00
\$72AE: 00 00	BRK # \$00
\$72B0: 00 00	BRK # \$00
\$72B2: 00 00	BRK # \$00
\$72B4: 00 00	BRK # \$00
\$72B6: 00 00	BRK # \$00
\$72B8: 00 00	BRK # \$00
\$72BA: 00 00	BRK # \$00
\$72BC: 00 00	f72BC BRK # \$00
\$72BE: 00 00	BRK # \$00
\$72C0: 0A	ASL
\$72C1: 00 00	BRK # \$00
\$72C3: 2A	ROL
\$72C4: 00 00	BRK # \$00
\$72C6: E5 00	SBC a00
\$72C8: 00 FD	BRK # \$FD
\$72CA: 00 00	BRK # \$00
\$72CC: FD 00 00	SBC e0000,X
\$72CF: FE 00 00	INC e0000,X
\$72D2: 1D 80 00	ORA a0080,X
\$72D5: 1A	NOP
\$72D6: 40	RTI

\$72D7: 00 95	BRK #95
\$72D9: 40	RTI
\$72DA: 00 55	BRK #55
\$72DC: 80 00	NOP #00
\$72DE: 6A	ROR
\$72DF: 00 00	BRK #00
\$72E1: 26 00	ROL a00
\$72E3: 00 26	BRK #26
\$72E5: 00 00	BRK #00
\$72E7: 26 00	ROL a00
\$72E9: 00 06	BRK #06
\$72EB: 00 00	BRK #00
\$72ED: 01 00	ORA (p00,X)
\$72EF: 00 00	BRK #00
\$72F1: 00 00	BRK #00
\$72F3: 00 00	BRK #00
\$72F5: 00 00	BRK #00
\$72F7: 00 00	BRK #00
\$72F9: 00 00	BRK #00
\$72FB: 00 00	BRK #00
\$72FD: 00 00	BRK #00
\$72FF: 00 32	BRK #32
\$7301: 00 00	BRK #00

\$7303: 3A	NOP
\$7304: 80 00	NOP # \$00
\$7306: 35 40	AND f40,X
\$7308: 00 35	BRK # \$35
\$730A: 40	RTI
\$730B: 00 39	BRK # \$39
\$730D: 80 00	NOP # \$00
\$730F: 16 60	ASL f60,X
\$7311: 00 15	BRK # \$15
\$7313: 50 00	BVC b7315
\$7315: 3A	b7315 NOP
\$7316: 50 00	BVC b7318
\$7318: 15 50	b7318 ORA f50,X
\$731A: 00 19	BRK # \$19
\$731C: 60	RTS
\$731D: 00 3A	BRK # \$3A
\$731F: A0 00	LDY # \$00
\$7321: 0A	ASL
\$7322: 80 00	NOP # \$00
\$7324: 08	PHP
\$7325: 80 00	NOP # \$00
\$7327: 04 00	NOP a00
\$7329: 00 04	BRK # \$04

\$732B: 00 00	BRK # \$00
\$732D: 04 00	NOP a00
\$732F: 00 00	BRK # \$00
\$7331: 00 00	BRK # \$00
\$7333: 00 00	BRK # \$00
\$7335: 00 00	BRK # \$00
\$7337: 00 00	BRK # \$00
\$7339: 00 00	BRK # \$00
\$733B: 00 00	BRK # \$00
\$733D: 00 00	BRK # \$00
\$733F: 00 0E	BRK # \$0E
\$7341: 80 00	NOP # \$00
\$7343: 0E A0 00	ASL f00A0
\$7346: 0D 60 00	ORA f0060
\$7349: 0D 60 00	ORA f0060
\$734C: 0D A0 00	ORA f00A0
\$734F: 06 58	ASL a58
\$7351: 00 05	BRK # \$05
\$7353: 98	TYA
\$7354: 00 39	BRK # \$39
\$7356: 58	CLI
\$7357: 00 15	BRK # \$15
\$7359: 60	RTS
\$735A: 00 19	BRK # \$19

\$735C: A0 00 LDY # \$00

\$735E: 0A ASL

\$735F: A0 00 LDY # \$00

\$7361: 09 28 ORA # \$28

f7364 = \* + \$01

\$7363: 00 06 BRK # \$06

\$7365: 04 00 NOP a00

\$7367: 04 04 NOP a04

\$7369: 00 00 BRK # \$00

\$736B: 00 00 BRK # \$00

\$736D: 00 00 BRK # \$00

\$736F: 00 00 f736F BRK # \$00

f7372 = \* + \$01

\$7371: 00 00 BRK # \$00

\$7373: 00 00 BRK # \$00

\$7375: 00 00 BRK # \$00

\$7377: 00 00 BRK # \$00

\$7379: 00 00 BRK # \$00

\$737B: 00 00 BRK # \$00

\$737D: 00 00 BRK # \$00

\$737F: 00 0C BRK # \$0C

\$7381: A0 00 LDY # \$00

\$7383: 0F A8 00 SLO a00A8

\$7386: 0F 68 00 SLO a0068

\$7389: 0F 68 00 SLO a0068

\$738C: 05 A8	ORA aA8
\$738E: 00 06	BRK #06
\$7390: 54 00	NOP f00,X
\$7392: 0E 54 00	ASL f0054
\$7395: 38	SEC
\$7396: 94 00	STY f00,X
\$7398: 15 58	ORA f58,X
\$739A: 00 19	BRK #19
\$739C: 68	PLA
\$739D: 00 00	BRK #00
\$739F: A8	TAY
\$73A0: 00 00	BRK #00
\$73A2: 98	TYA
\$73A3: 00 01	BRK #01
\$73A5: 84 00	STY a00
\$73A7: 00 04	BRK #04
\$73A9: 00 00	BRK #00
\$73AB: 18	CLC
\$73AC: 00 00	BRK #00
\$73AE: 00 00	BRK #00
\$73B0: 00 00	BRK #00
\$73B2: 00 00	BRK #00
\$73B4: 00 00	BRK #00
\$73B6: 00 00	BRK #00
\$73B8: 00 00	BRK #00

\$73BA: 00 00	BRK # \$00
\$73BC: 00 00	BRK # \$00
\$73BE: 00 00	BRK # \$00
\$73C0: 02	JAM
\$73C1: 80 00	NOP # \$00
\$73C3: 02	JAM
\$73C4: A0 00	LDY # \$00
\$73C6: 0E A0 00	ASL f00A0
\$73C9: 0E A0 00	ASL f00A0
\$73CC: 0A	ASL
\$73CD: A0 00	LDY # \$00
\$73CF: 2D 60 00	AND f0060
\$73D2: 59 50 00	EOR f0050,Y
\$73D5: 65 50	ADC a50
\$73D7: 00 05	BRK # \$05
\$73D9: 60	RTS
\$73DA: 00 02	BRK # \$02
\$73DC: A0 00	LDY # \$00
\$73DE: 01 80	ORA (p80,X)
\$73E0: 00 01	BRK # \$01
\$73E2: 40	RTI
\$73E3: 00 02	BRK # \$02
\$73E5: 40	RTI

\$73E6: 00 00 BRK # \$00

\$73E8: 40 RTI

\$73E9: 00 01 BRK # \$01

\$73EB: 80 00 NOP # \$00

\$73ED: 00 00 BRK # \$00

\$73EF: 00 00 BRK # \$00

\$73F1: 00 00 BRK # \$00

\$73F3: 00 00 BRK # \$00

\$73F5: 00 00 BRK # \$00

\$73F7: 00 00 BRK # \$00

\$73F9: 00 00 BRK # \$00

\$73FB: 00 00 BRK # \$00

\$73FD: 00 00 BRK # \$00

f7400 =\*+ \$01

\$73FF: 00 02 f73FF BRK # \$02

\$7401: 0C 00 0A NOP a0A00

\$7404: 8C 00 0A STY a0A00

\$7407: 8C 00 0A STY a0A00

\$740A: AC 00 1A LDY a1A00

\$740D: 9C 00 16 SHY a1600,X

\$7410: 50 00 BVC b7412

\$7412: 15 60 b7412 ORA f60,X

\$7414: 00 15 BRK # \$15



\$7416: 40	RTI
\$7417: 00 26	BRK # \$26
\$7419: 40	RTI
\$741A: 00 0A	BRK # \$0A
\$741C: 80 00	a741C NOP # \$00
\$741E: 0A	ASL
\$741F: 80 00	NOP # \$00
\$7421: 08	PHP
\$7422: 80 00	NOP # \$00
\$7424: 08	PHP
\$7425: 40	RTI
\$7426: 00 00	BRK # \$00
\$7428: 40	RTI
\$7429: 00 00	BRK # \$00
\$742B: 80 00	NOP # \$00
\$742D: 00 00	BRK # \$00
\$742F: 00 00	BRK # \$00
\$7431: 00 00	BRK # \$00
\$7433: 00 00	BRK # \$00
\$7435: 00 00	BRK # \$00
\$7437: 00 00	BRK # \$00

\$7439: 00 00	BRK # \$00
\$743B: 00 00	BRK # \$00
\$743D: 00 00	BRK # \$00
\$743F: 00 02	BRK # \$02
\$7441: 80 00	NOP # \$00
\$7443: 0A	ASL
\$7444: 80 00	NOP # \$00
\$7446: 0A	ASL
\$7447: A0 00	LDY # \$00
\$7449: 0A	ASL
\$744A: FC 00 0A	NOP a0A00,X
\$744D: EC 00 1A	CPX a1A00
\$7450: EC 00 15	CPX f1500
\$7453: 50 00	BVC b7455
\$7455: 16 70	b7455 ASL f70,X
\$7457: 00 1A	BRK # \$1A
\$7459: 60	RTS
\$745A: 00 2A	BRK # \$2A
\$745C: 80 00	NOP # \$00
\$745E: 0A	ASL
\$745F: 40	RTI
\$7460: 00 02	BRK # \$02
\$7462: 60	RTS

\$7463: 00 01	BRK #01
\$7465: 40	RTI
\$7466: 00 01	BRK #01
\$7468: 80 00	NOP #00
\$746A: 01 40	ORA (p40,X)
\$746C: 00 00	BRK #00
\$746E: 00 00	BRK #00
\$7470: 00 00	BRK #00
\$7472: 00 00	BRK #00
\$7474: 00 00	BRK #00
\$7476: 00 00	BRK #00
\$7478: 00 00	BRK #00
\$747A: 00 00	BRK #00
\$747C: 00 00	BRK #00
\$747E: 00 00	BRK #00
\$7480: 0A	ASL
\$7481: 00 00	BRK #00
\$7483: 2A	ROL
\$7484: 00 00	BRK #00
\$7486: 2E 00 00	ROL e0000
\$7489: 2F 00 00	RLA e0000
\$748C: 3F 00 00	RLA e0000,X
\$748F: FE 00 00	INC e0000,X

\$7492: F6 80	INC f80,X
\$7494: 00 F6	BRK #F6
\$7496: 40	RTI
\$7497: 00 39	BRK #39
\$7499: 40	RTI
\$749A: 00 19	BRK #19
\$749C: 80 00	NOP #00
\$749E: 1B 00 00	SLO e0000,Y
\$74A1: 26 00	ROL a00
\$74A3: 00 1A	BRK #1A
\$74A5: 40	RTI
\$74A6: 00 18	BRK #18
\$74A8: 00 00	BRK #00
\$74AA: 04 00	NOP a00
\$74AC: 00 00	BRK #00
\$74AE: 00 00	BRK #00
\$74B0: 00 00	BRK #00
\$74B2: 00 00	BRK #00
\$74B4: 00 00	BRK #00
\$74B6: 00 00	BRK #00
\$74B8: 00 00	BRK #00
\$74BA: 00 00	BRK #00

\$74BC: 00 00	BRK # \$00
\$74BE: 00 00	BRK # \$00
\$74C0: 0A	ASL
\$74C1: 00 00	BRK # \$00
\$74C3: 2A	ROL
\$74C4: 00 00	BRK # \$00
\$74C6: 3D 00 00	AND e0000,X
\$74C9: 3D 00 00	AND e0000,X
\$74CC: FD 80 00	SBC a0080,X
\$74CF: FA	NOP
\$74D0: 40	RTI
\$74D1: 00 F9	BRK # \$F9
\$74D3: 40	RTI
\$74D4: 00 19	BRK # \$19
\$74D6: 40	RTI
\$74D7: 00 16	BRK # \$16
\$74D9: 40	RTI
\$74DA: 00 25	BRK # \$25
\$74DC: 80 00	NOP # \$00
\$74DE: 19 80 00	ORA a0080,Y
\$74E1: 62	JAM

\$74E2: 80 00	NOP # \$00
\$74E4: 60	RTS
\$74E5: 40	RTI
\$74E6: 00 10	BRK # \$10
\$74E8: 50 00	BVC b74EA
\$74EA: 00 40	b74EA BRK # \$40
\$74EC: 00 00	BRK # \$00
\$74EE: 00 00	BRK # \$00
\$74F0: 00 00	BRK # \$00
\$74F2: 00 00	BRK # \$00
\$74F4: 00 00	BRK # \$00
\$74F6: 00 00	BRK # \$00
\$74F8: 00 00	BRK # \$00
\$74FA: 00 00	BRK # \$00
a74FD =*+ \$01	
\$74FC: 00 00	a74FC BRK # \$00
\$74FE: 00 00	BRK # \$00
\$7500: 02	f7500 JAM
\$7501: 00 00	BRK # \$00
\$7503: 0A	ASL
\$7504: 80 00	NOP # \$00
\$7506: 35 40	AND f40,X
\$7508: 00 35	BRK # \$35

\$750A: 40	RTI
\$750B: 00 39	BRK #39
\$750D: 80 00	NOP #00
\$750F: 36 60	ROL f60,X
\$7511: 00 35	BRK #35
\$7513: 50 00	BVC b7515
\$7515: 19 50 00	b7515 ORA f0050,Y
\$7518: 1A	NOP
\$7519: 60	RTS
\$751A: 00 39	BRK #39
\$751C: 60	RTS
\$751D: 00 15	BRK #15
\$751F: 60	RTS
\$7520: 00 19	BRK #19
\$7522: 80 00	NOP #00
\$7524: 08	PHP
\$7525: 80 00	NOP #00
\$7527: 00 40	BRK #40
\$7529: 00 00	BRK #00
\$752B: 40	RTI

\$752C: 00 00	BRK # \$00
\$752E: 40	RTI
\$752F: 00 00	BRK # \$00
\$7531: 00 00	BRK # \$00
\$7533: 00 00	BRK # \$00
\$7535: 00 00	BRK # \$00
\$7537: 00 00	BRK # \$00
\$7539: 00 00	BRK # \$00
\$753B: 00 00	BRK # \$00
\$753D: 00 00	a753D BRK # \$00
\$753F: 00 02	BRK # \$02
\$7541: 80 00	NOP # \$00
\$7543: 32	JAM
\$7544: A0 00	LDY # \$00
\$7546: 3D 60 00	AND f0060,X
\$7549: 3D 60 00	AND f0060,X
\$754C: 3D A0 00	AND f00A0,X
\$754F: 0E 58 00	ASL a0058
\$7552: 05 54	ORA a54
\$7554: 00 05	BRK # \$05
\$7556: 64 00	NOP a00
\$7558: 0D 94 00	ORA a0094
\$755B: 05 58	ORA a58
\$755D: 00 06	BRK # \$06



\$755F: 60	RTS
\$7560: 00 00	BRK # \$00
\$7562: A0 00	LDY # \$00
\$7564: 00 68	BRK # \$68
\$7566: 00 00	BRK # \$00
\$7568: 40	RTI
\$7569: 00 00	BRK # \$00
\$756B: 40	RTI
\$756C: 00 01	BRK # \$01
\$756E: 80 00	NOP # \$00
\$7570: 00 00	BRK # \$00
\$7572: 00 00	BRK # \$00
\$7574: 00 00	BRK # \$00
\$7576: 00 00	BRK # \$00
\$7578: 00 00	BRK # \$00
\$757A: 00 00	BRK # \$00
\$757C: 00 00	BRK # \$00
\$757E: 00 00	BRK # \$00
\$7580: C0 A0	CPY # \$A0
\$7582: 00 FF	BRK # \$FF
\$7584: A8	TAY
\$7585: 00 FF	BRK # \$FF

\$7587: 68	PLA
\$7588: 00 3F	BRK #3F
\$758A: 68	PLA
\$758B: 00 04	BRK #04
\$758D: A8	TAY
\$758E: 00 06	BRK #06
\$7590: 54 00	NOP f00,X
\$7592: 0E 54 00	ASL f0054
\$7595: 0B 94	ANC #94
\$7597: 00 01	BRK #01
\$7599: 54 00	NOP f00,X
\$759B: 01 94	ORA (p94,X)
\$759D: 00 00	BRK #00
\$759F: A8	TAY
\$75A0: 00 00	BRK #00
\$75A2: 68	PLA
\$75A3: 00 00	BRK #00
\$75A5: 44 00	NOP a00
\$75A7: 00 40	BRK #40
\$75A9: 00 01	BRK #01
\$75AB: 40	RTI
\$75AC: 00 00	BRK #00
\$75AE: 00 00	BRK #00
\$75B0: 00 00	BRK #00

\$75B2: 00 00	BRK #\$00
\$75B4: 00 00	BRK #\$00
\$75B6: 00 00	BRK #\$00
\$75B8: 00 00	BRK #\$00
\$75BA: 00 00	BRK #\$00
\$75BC: 00 00	BRK #\$00
\$75BE: 00 00	BRK #\$00
\$75C0: 02	JAM
\$75C1: 80 00	NOP #\$00
\$75C3: 3E A0 00	ROL f00A0,X
\$75C6: 3E A0 00	ROL f00A0,X
\$75C9: 3E A0 00	ROL f00A0,X
\$75CC: 0A	ASL
\$75CD: A0 00	LDY #\$00
\$75CF: 0D 60 00	ORA f0060
\$75D2: 0E 50 00	ASL f0050
\$75D5: 05 50	ORA a50
\$75D7: 00 06	BRK #\$06
\$75D9: 50 00	BVC b75DB
\$75DB: 02	b75DB JAM
\$75DC: A0 00	LDY #\$00
\$75DE: 01 A0	ORA (pA0,X)
\$75E0: 00 05	BRK #\$05
\$75E2: 24 00	BIT a00
\$75E4: 04 08	NOP a08

\$75E6: 00 14	BRK # \$14
\$75E8: 00 00	BRK # \$00
\$75EA: 04 00	NOP a00
\$75EC: 00 00	BRK # \$00
\$75EE: 00 00	BRK # \$00
\$75F0: 00 00	BRK # \$00
\$75F2: 00 00	BRK # \$00
\$75F4: 00 00	BRK # \$00
\$75F6: 00 00	BRK # \$00
\$75F8: 00 00	BRK # \$00
\$75FA: 00 00	BRK # \$00

f75FD =\*+\$01

\$75FC: 00 00	BRK # \$00
\$75FE: 00 00	BRK # \$00
\$7600: D7 00	f7600 DCP f00,X
\$7602: 00 EB	BRK # \$EB
\$7604: 00 00	BRK # \$00
\$7606: EB 00	SBC # \$00
\$7608: 00 D7	BRK # \$D7
\$760A: 00 00	BRK # \$00
\$760C: 14 00	NOP f00,X
\$760E: 00 14	BRK # \$14
\$7610: 00 00	BRK # \$00
\$7612: 14 00	NOP f00,X
\$7614: 00 14	BRK # \$14

\$7616: 00 00	BRK # \$00
\$7618: 00 00	BRK # \$00
\$761A: 00 00	BRK # \$00
\$761C: 00 00	BRK # \$00
\$761E: 00 00	BRK # \$00
\$7620: 00 00	BRK # \$00
\$7622: 00 00	BRK # \$00
\$7624: 00 00	BRK # \$00
\$7626: 00 00	BRK # \$00
\$7628: 00 00	BRK # \$00
\$762A: 00 00	BRK # \$00
\$762C: 00 00	BRK # \$00
\$762E: 00 00	BRK # \$00
\$7630: 00 00	BRK # \$00
\$7632: 00 00	BRK # \$00
\$7634: 00 00	BRK # \$00
\$7636: 00 00	BRK # \$00
\$7638: 00 00	BRK # \$00
\$763A: 00 00	BRK # \$00
\$763C: 00 00	BRK # \$00
\$763E: 00 8A	BRK # \$8A
\$7640: 0C 00 00	NOP e0000
\$7643: 38	SEC
\$7644: 00 00	BRK # \$00
\$7646: 39 00 00	AND e0000,Y

\$7649: 2A	ROL
\$764A: 00 00	BRK # \$00
\$764C: 1B 00 00	SLO e0000,Y
\$764F: 1B 00 00	SLO e0000,Y
\$7652: 5C 00 00	NOP e0000,X
\$7655: 40	RTI
\$7656: 00 00	BRK # \$00
\$7658: 00 00	BRK # \$00
\$765A: 00 00	BRK # \$00
\$765C: 00 00	BRK # \$00
\$765E: 00 00	BRK # \$00
\$7660: 00 00	BRK # \$00
\$7662: 00 00	BRK # \$00
\$7664: 00 00	BRK # \$00
\$7666: 00 00	BRK # \$00
\$7668: 00 00	BRK # \$00
\$766A: 00 00	BRK # \$00
\$766C: 00 00	BRK # \$00
\$766E: 00 00	BRK # \$00
\$7670: 00 00	BRK # \$00
\$7672: 00 00	BRK # \$00
\$7674: 00 00	BRK # \$00
\$7676: 00 00	BRK # \$00
\$7678: 00 00	BRK # \$00

\$767A: 00 00	BRK # \$00
\$767C: 00 00	BRK # \$00
\$767E: 00 82	BRK # \$82
\$7680: 0F 00 00	SLO e0000
\$7683: 0A	ASL
\$7684: 00 00	BRK # \$00
\$7686: 0A	ASL
\$7687: 00 00	BRK # \$00
\$7689: 59 00 00	EOR e0000,Y
\$768C: 56 00	LSR f00,X
\$768E: 00 0A	BRK # \$0A
\$7690: 00 00	BRK # \$00
\$7692: 0A	ASL
\$7693: 00 00	BRK # \$00
\$7695: 0F 00 00	SLO e0000
\$7698: 00 00	BRK # \$00
\$769A: 00 00	BRK # \$00
\$769C: 00 00	BRK # \$00
\$769E: 00 00	BRK # \$00
\$76A0: 00 00	BRK # \$00
\$76A2: 00 00	BRK # \$00
\$76A4: 00 00	BRK # \$00
\$76A6: 00 00	BRK # \$00
\$76A8: 00 00	BRK # \$00
\$76AA: 00 00	BRK # \$00

\$76AC: 00 00 BRK # \$00

\$76AE: 00 00 BRK # \$00

\$76B0: 00 00 BRK # \$00

\$76B2: 00 00 BRK # \$00

\$76B4: 00 00 BRK # \$00

\$76B6: 00 00 BRK # \$00

\$76B8: 00 00 BRK # \$00

\$76BA: 00 00 BRK # \$00

\$76BC: 00 00 BRK # \$00

\$76BE: 00 82 BRK # \$82

\$76C0: 40 RTI

\$76C1: 00 00 BRK # \$00

\$76C3: 40 RTI

\$76C4: 00 00 BRK # \$00

\$76C6: 13 00 SLO (p00),Y

\$76C8: 00 17 BRK # \$17

\$76CA: 00 00 BRK # \$00

\$76CC: 06 00 ASL a00

\$76CE: 00 EA BRK # \$EA

\$76D0: 00 00 BRK # \$00

\$76D2: E9 00 SBC # \$00

\$76D4: 00 30 BRK # \$30

\$76D6: 00 00 BRK # \$00



\$76D8: 00 00	BRK # \$00
\$76DA: 00 00	BRK # \$00
\$76DC: 00 00	BRK # \$00
\$76DE: 00 00	BRK # \$00
\$76E0: 00 00	BRK # \$00
\$76E2: 00 00	BRK # \$00
\$76E4: 00 00	BRK # \$00
\$76E6: 00 00	BRK # \$00
\$76E8: 00 00	BRK # \$00
\$76EA: 00 00	BRK # \$00
\$76EC: 00 00	BRK # \$00
\$76EE: 00 00	BRK # \$00
\$76F0: 00 00	BRK # \$00
\$76F2: 00 00	BRK # \$00
\$76F4: 00 00	BRK # \$00
\$76F6: 00 00	BRK # \$00
\$76F8: 00 00	BRK # \$00
\$76FA: 00 00	BRK # \$00
\$76FC: 00 00	BRK # \$00
\$76FE: 00 82	BRK # \$82
\$7700: 14 00	f7700 NOP f00,X
\$7702: 00 14	BRK # \$14
\$7704: 00 00	BRK # \$00
\$7706: 14 00	NOP f00,X
\$7708: 00 14	BRK # \$14

\$770A: 00 00	BRK # \$00
\$770C: D7 00	DCP f00,X
\$770E: 00 EB	BRK # \$EB
\$7710: 00 00	BRK # \$00
\$7712: EB 00	SBC # \$00
\$7714: 00 D7	BRK # \$D7
\$7716: 00 00	BRK # \$00
\$7718: 00 00	BRK # \$00
\$771A: 00 00	BRK # \$00
\$771C: 00 00	BRK # \$00
\$771E: 00 00	BRK # \$00
\$7720: 00 00	BRK # \$00
\$7722: 00 00	BRK # \$00
\$7724: 00 00	BRK # \$00
\$7726: 00 00	BRK # \$00
\$7728: 00 00	BRK # \$00
\$772A: 00 00	BRK # \$00
\$772C: 00 00	BRK # \$00
\$772E: 00 00	BRK # \$00
\$7730: 00 00	BRK # \$00
\$7732: 00 00	BRK # \$00
\$7734: 00 00	BRK # \$00
\$7736: 00 00	BRK # \$00
\$7738: 00 00	BRK # \$00
\$773A: 00 00	BRK # \$00

\$773C: 00 00	BRK # \$00
\$773E: 00 82	BRK # \$82
\$7740: 01 00	ORA (p00,X)
\$7742: 00 01	BRK # \$01
\$7744: 00 00	BRK # \$00
\$7746: C4 00	CPY a00
\$7748: 00 E4	BRK # \$E4
\$774A: 00 00	BRK # \$00
\$774C: A0 00	LDY # \$00
\$774E: 00 AB	BRK # \$AB
\$7750: 00 00	BRK # \$00
\$7752: 6B 00	ARR # \$00
\$7754: 00 0C	BRK # \$0C
\$7756: 00 00	BRK # \$00
\$7758: 00 00	BRK # \$00
\$775A: 00 00	BRK # \$00
\$775C: 00 00	BRK # \$00
\$775E: 00 00	BRK # \$00
\$7760: 00 00	BRK # \$00
\$7762: 00 00	BRK # \$00
\$7764: 00 00	BRK # \$00
\$7766: 00 00	BRK # \$00
\$7768: 00 00	BRK # \$00
\$776A: 00 00	BRK # \$00
\$776C: 00 00	BRK # \$00

\$776E: 00 00	BRK # \$00
\$7770: 00 00	BRK # \$00
\$7772: 00 00	BRK # \$00
\$7774: 00 00	BRK # \$00
\$7776: 00 00	BRK # \$00
\$7778: 00 00	BRK # \$00
\$777A: 00 00	BRK # \$00
\$777C: 00 00	BRK # \$00

f777F =\*+\$01

\$777E: 00 82	BRK # \$82
\$7780: F0 00	BEQ b7782
\$7782: 00 A0	b7782 BRK # \$A0
\$7784: 00 00	BRK # \$00
\$7786: A0 00	LDY # \$00
\$7788: 00 55	BRK # \$55
\$778A: 00 00	BRK # \$00
\$778C: 55 00	EOR f00,X
\$778E: 00 A0	BRK # \$A0
\$7790: 00 00	BRK # \$00
\$7792: A0 00	LDY # \$00
\$7794: 00 F0	BRK # \$F0
\$7796: 00 00	BRK # \$00
\$7798: 00 00	BRK # \$00
\$779A: 00 00	BRK # \$00
\$779C: 00 00	BRK # \$00

\$779E: 00 00	BRK # \$00
\$77A0: 00 00	BRK # \$00
\$77A2: 00 00	BRK # \$00
\$77A4: 00 00	BRK # \$00
\$77A6: 00 00	BRK # \$00
\$77A8: 00 00	BRK # \$00
\$77AA: 00 00	BRK # \$00
\$77AC: 00 00	BRK # \$00
\$77AE: 00 00	BRK # \$00
\$77B0: 00 00	BRK # \$00
\$77B2: 00 00	BRK # \$00
\$77B4: 00 00	BRK # \$00
\$77B6: 00 00	BRK # \$00
\$77B8: 00 00	BRK # \$00
\$77BA: 00 00	BRK # \$00
\$77BC: 00 00	BRK # \$00
\$77BE: 00 82	BRK # \$82
\$77C0: 30 00	BMI b77C2
\$77C2: 00 2C	b77C2 BRK # \$2C
\$77C4: 00 00	BRK # \$00
\$77C6: 6C 00 00	JMP (e0000)
\$77C9: 68	PLA
\$77CA: 00 00	BRK # \$00
\$77CC: E4 00	CPX a00

\$77CE: 00 E4	BRK #E4
\$77D0: 00 00	BRK #00
\$77D2: 35 00	AND f00,X
\$77D4: 00 01	BRK #01
\$77D6: 00 00	BRK #00
\$77D8: 00 00	BRK #00
\$77DA: 00 00	BRK #00
\$77DC: 00 00	BRK #00
\$77DE: 00 00	BRK #00
\$77E0: 00 00	BRK #00
\$77E2: 00 00	BRK #00
\$77E4: 00 00	BRK #00
\$77E6: 00 00	BRK #00
\$77E8: 00 00	BRK #00
\$77EA: 00 00	BRK #00
\$77EC: 00 00	f77EC BRK #00
\$77EE: 00 00	BRK #00
\$77F0: 00 00	BRK #00
\$77F2: 00 00	BRK #00
\$77F4: 00 00	BRK #00
\$77F6: 00 00	BRK #00
\$77F8: 00 00	BRK #00
\$77FA: 00 00	BRK #00
\$77FC: 00 00	BRK #00

f77FF =\*+\$01

\$77FE: 00 82	BRK #82
\$7800: 08	PHP
\$7801: 00 00	BRK #00
\$7803: 0B 48	ANC #48
\$7805: 00 2F	BRK #2F
\$7807: CC 00 2F	CPY a2F00
\$780A: C8	INY
\$780B: 00 AF	BRK #AF
\$780D: C8	INY
\$780E: 00 9F	BRK #9F
\$7810: C8	INY
\$7811: 00 17	BRK #17
\$7813: 58	CLI
\$7814: 00 17	BRK #17
\$7816: 54 00	NOP f00,X
\$7818: 0A	ASL
\$7819: 94 00	STY f00,X
\$781B: 0A	ASL
\$781C: 90 00	BCC b781E
\$781E: 06 80	b781E ASL a80
\$7820: 00 04	BRK #04
\$7822: 40	RTI
\$7823: 00 0C	BRK #0C
\$7825: C0 00	CPY #00

\$7827: 04 40	NOP a40
\$7829: 00 00	BRK # \$00
\$782B: 00 00	BRK # \$00
\$782D: 00 00	BRK # \$00
\$782F: 00 00	BRK # \$00
\$7831: 00 00	BRK # \$00
\$7833: 00 00	BRK # \$00
\$7835: 00 00	BRK # \$00
\$7837: 00 00	BRK # \$00
\$7839: 00 00	BRK # \$00
\$783B: 00 00	BRK # \$00
\$783D: 00 00	BRK # \$00
\$783F: 00 00	BRK # \$00
\$7841: 00 00	BRK # \$00
\$7843: 03 C0	SLO (pC0,X)
\$7845: 00 0F	BRK # \$0F
\$7847: C0 00	CPY # \$00
\$7849: 0F E0 00	SLO a00E0
\$784C: 0F E0 00	SLO a00E0
\$784F: 0F C8 00	SLO a00C8
\$7852: 0D 68 00	ORA a0068
\$7855: 05 A0	ORA aA0
\$7857: 00 05	BRK # \$05
\$7859: 80 00	NOP # \$00
\$785B: 09 80	ORA # \$80



\$785D: 00 06 BRK # \$06

\$785F: 80 00 NOP # \$00

\$7861: 04 40 NOP a40

\$7863: 00 04 BRK # \$04

\$7865: C0 00 CPY # \$00

p7868 =\*+ \$01

\$7867: 00 50 BRK # \$50

\$7869: 00 00 BRK # \$00

\$786B: C0 00 CPY # \$00

\$786D: 00 00 BRK # \$00

\$786F: 00 00 BRK # \$00

\$7871: 00 00 BRK # \$00

\$7873: 00 00 BRK # \$00

\$7875: 00 00 BRK # \$00

\$7877: 00 00 BRK # \$00

\$7879: 00 00 BRK # \$00

\$787B: 00 00 BRK # \$00

\$787D: 00 00 BRK # \$00

\$787F: 00 00 BRK # \$00

\$7881: 00 00 BRK # \$00

\$7883: 03 C0 SLO (pC0,X)

\$7885: 00 0F BRK # \$0F

\$7887: E0 00 CPX # \$00

\$7889: 0F 60 00 SLO f0060

\$788C: 0F 60 00 SLO f0060

\$788F: 0F 60 00	SLO f0060
\$7892: 05 A0	ORA aA0
\$7894: 00 06	BRK #S06
\$7896: A0 00	LDY #S00
\$7898: 06 80	ASL a80
\$789A: 00 05	BRK #S05
\$789C: A8	TAY
\$789D: 00 0A	BRK #S0A
\$789F: 00 00	BRK #S00
\$78A1: 05 00	ORA a00
\$78A3: 00 07	BRK #S07
\$78A5: 00 00	BRK #S00
\$78A7: 01 00	ORA (p00,X)
\$78A9: 00 03	BRK #S03
\$78AB: C0 00	CPY #S00
\$78AD: 00 00	BRK #S00
\$78AF: 00 00	BRK #S00
\$78B1: 00 00	BRK #S00
\$78B3: 00 00	BRK #S00
\$78B5: 00 00	BRK #S00
\$78B7: 00 00	BRK #S00
\$78B9: 00 00	BRK #S00
\$78BB: 00 00	BRK #S00
\$78BD: 00 00	BRK #S00
\$78BF: 00 00	BRK #S00

\$78C1: 00 00	BRK # \$00
\$78C3: 07 40	SLO a40
\$78C5: 00 0F	BRK # \$0F
\$78C7: C0 00	CPY # \$00
\$78C9: 0D 40 00	ORA f0040
\$78CC: 0D 40 00	ORA f0040
\$78CF: 0D 48 00	ORA a0048
\$78D2: 16 98	ASL f98,X
\$78D4: 00 1A	BRK # \$1A
\$78D6: A8	TAY
\$78D7: 00 1A	BRK # \$1A
\$78D9: A0 00	LDY # \$00
\$78DB: 1A	NOP
\$78DC: A0 00	LDY # \$00
\$78DE: 0A	ASL
\$78DF: 40	RTI
\$78E0: 00 06	BRK # \$06
\$78E2: 80 00	NOP # \$00
\$78E4: 0C A0 00	NOP f00A0
\$78E7: 04 60	NOP a60
\$78E9: 00 0F	BRK # \$0F
\$78EB: 00 00	BRK # \$00
\$78ED: 00 00	BRK # \$00
\$78EF: 00 00	BRK # \$00

\$78F1: 00 00	BRK # \$00
\$78F3: 00 00	BRK # \$00
\$78F5: 00 00	BRK # \$00
\$78F7: 00 00	BRK # \$00
\$78F9: 00 00	BRK # \$00
\$78FB: 00 00	BRK # \$00
\$78FD: 00 00	BRK # \$00
\$78FF: 00 00	BRK # \$00
\$7901: 00 00	BRK # \$00
\$7903: 07 40	SLO a40
\$7905: 00 0F	BRK # \$0F
\$7907: C0 00	CPY # \$00
\$7909: 0D C0 00	ORA a00C0
\$790C: 55 40	EOR f40,X
\$790E: 00 45	BRK # \$45
\$7910: 50 00	BVC b7912
\$7912: 49 90	b7912 EOR # \$90
\$7914: 00 4A	BRK # \$4A
\$7916: 90 00	BCC b7918
\$7918: 8A	b7918 TXA
\$7919: 90 00	BCC b791B
\$791B: 8A	b791B TXA
\$791C: 90 00	BCC b791E
\$791E: 8A	b791E TXA
\$791F: A8	TAY

\$7920: 00 86	BRK # \$86
\$7922: A0 00	LDY # \$00
\$7924: 84 40	STY a40
\$7926: 00 8C	BRK # \$8C
\$7928: C0 00	CPY # \$00
\$792A: 80 00	NOP # \$00
\$792C: 00 00	BRK # \$00
\$792E: 00 00	BRK # \$00
\$7930: 00 00	BRK # \$00
\$7932: 00 00	BRK # \$00
\$7934: 00 00	BRK # \$00
\$7936: 00 00	BRK # \$00
\$7938: 00 00	BRK # \$00
\$793A: 00 00	BRK # \$00
\$793C: 00 00	BRK # \$00
\$793E: 00 00	BRK # \$00
\$7940: 00 00	BRK # \$00
\$7942: 00 0F	BRK # \$0F
\$7944: C0 00	CPY # \$00
\$7946: 0F C0 00	SLO a00C0
\$7949: 05 C0	ORA aC0
\$794B: 00 05	BRK # \$05
\$794D: C0 00	CPY # \$00
\$794F: 05 C0	ORA aC0
\$7951: 00 02	BRK # \$02

\$7953: 80 00	NOP # \$00
\$7955: 05 40	ORA a40
\$7957: 00 0A	BRK # \$0A
\$7959: 40	RTI
\$795A: 00 0A	BRK # \$0A
\$795C: 80 00	NOP # \$00
\$795E: 2A	ROL
\$795F: 80 00	NOP # \$00
\$7961: 2A	ROL
\$7962: 80 00	NOP # \$00
\$7964: 02	JAM
\$7965: 80 00	NOP # \$00
\$7967: 04 40	NOP a40
\$7969: 00 03	BRK # \$03
\$796B: 00 00	BRK # \$00
\$796D: 00 00	BRK # \$00
\$796F: 00 00	BRK # \$00
\$7971: 00 00	BRK # \$00
\$7973: 00 00	BRK # \$00
\$7975: 00 00	BRK # \$00
\$7977: 00 00	BRK # \$00
\$7979: 00 00	f7979 BRK # \$00
\$797B: 00 00	BRK # \$00
\$797D: 00 00	BRK # \$00

\$797F: 00 00	BRK # \$00
\$7981: 00 00	BRK # \$00
\$7983: 0F 00 00	SLO e0000
\$7986: 0F C0 00	SLO a00C0
\$7989: 07 C0	SLO aC0
\$798B: 00 07	BRK # \$07
\$798D: C0 00	CPY # \$00
\$798F: 07 C0	SLO aC0
\$7991: 00 02	BRK # \$02
\$7993: D0 00	BNE b7995
\$7995: 29 D0	b7995 AND # \$D0
\$7997: 00 29	BRK # \$29
\$7999: 90 00	BCC b799B
\$799B: 09 80	b799B ORA # \$80
\$799D: 00 0A	BRK # \$0A
\$799F: 80 00	NOP # \$00
\$79A1: 0A	ASL
\$79A2: 40	RTI
\$79A3: 00 0B	BRK # \$0B
\$79A5: 40	RTI
\$79A6: 00 01	BRK # \$01
\$79A8: 00 00	BRK # \$00
\$79AA: 0F 00 00	SLO e0000

\$79AD: 00 00	BRK #00
\$79AF: 00 00	BRK #00
\$79B1: 00 00	BRK #00
\$79B3: 00 00	BRK #00
\$79B5: 00 00	BRK #00
\$79B7: 00 00	BRK #00
\$79B9: 00 00	BRK #00
\$79BB: 00 00	BRK #00
\$79BD: 00 00	BRK #00
\$79BF: 00 00	BRK #00
\$79C1: 00 00	BRK #00
\$79C3: 0F 00 00	SLO e0000
\$79C6: 2F C0 00	RLA a00C0
\$79C9: 2F C0 00	RLA a00C0
\$79CC: 2F C0 00	RLA a00C0
\$79CF: 2F C0 00	RLA a00C0
\$79D2: 35 D0	AND fD0,X
\$79D4: 00 25	BRK #25
\$79D6: D0 00	BNE b79D8
\$79D8: 26 80	b79D8 ROL a80
\$79DA: 00 26	BRK #26
\$79DC: 80 00	NOP #00
\$79DE: 2A	ROL
\$79DF: 80 00	NOP #00
\$79E1: 2C 40 00	BIT f0040



\$79E4: 04 C0	NOP aC0
\$79E6: 00 0C	BRK #0C
\$79E8: 40	RTI
\$79E9: 00 00	BRK #00
\$79EB: 00 00	BRK #00
\$79ED: 00 00	BRK #00
\$79EF: 00 00	BRK #00
\$79F1: 00 00	BRK #00
\$79F3: 00 00	BRK #00
\$79F5: 00 00	BRK #00
\$79F7: 00 00	BRK #00
\$79F9: 00 00	BRK #00
\$79FB: 00 00	BRK #00
\$79FD: 00 00	BRK #00
\$79FF: 00 0A	BRK #0A
\$7A01: 00 00	BRK #00
\$7A03: 2B 40	ANC #40
\$7A05: 00 AF	BRK #AF
\$7A07: CC 00 AF	CPY aAF00
\$7A0A: C8	INY
\$7A0B: 00 1F	BRK #1F
\$7A0D: C8	INY
\$7A0E: 00 1F	BRK #1F
\$7A10: C8	INY

\$7A11: 00 0D	BRK #0D
\$7A13: 58	CLI
\$7A14: 00 0D	BRK #0D
\$7A16: 58	CLI
\$7A17: 00 0A	BRK #0A
\$7A19: 94 00	STY f00,X
\$7A1B: 0A	ASL
\$7A1C: 94 00	STY f00,X
\$7A1E: 06 90	ASL a90
\$7A20: 00 04	BRK #04
\$7A22: 40	RTI
\$7A23: 00 04	BRK #04
\$7A25: 00 00	BRK #00
\$7A27: 0C 00 00	NOP e0000
\$7A2A: 04 00	NOP a00
\$7A2C: 00 0C	BRK #0C
\$7A2E: 00 00	BRK #00
\$7A30: 00 00	BRK #00
\$7A32: 00 00	BRK #00
\$7A34: 00 00	f7A34 BRK #00
\$7A36: 00 00	BRK #00
\$7A38: 00 00	BRK #00
\$7A3A: 00 00	BRK #00
\$7A3C: 00 00	BRK #00

\$7A3E: 00 00	BRK # \$00
\$7A40: 00 00	BRK # \$00
\$7A42: 00 03	BRK # \$03
\$7A44: 40	RTI
\$7A45: 00 0F	BRK # \$0F
\$7A47: C0 00	CPY # \$00
\$7A49: 0F E0 00	SLO a00E0
\$7A4C: 0F E0 00	SLO a00E0
\$7A4F: 0F E0 00	SLO a00E0
\$7A52: 0D 60 00	ORA f0060
\$7A55: 05 A0	ORA aA0
\$7A57: 00 06	BRK # \$06
\$7A59: 80 00	NOP # \$00
\$7A5B: 06 80	ASL a80
\$7A5D: 00 06	BRK # \$06
\$7A5F: A0 00	LDY # \$00
\$7A61: 14 50	NOP f50,X
\$7A63: 00 34	BRK # \$34
\$7A65: 30 00	BMI b7A67
\$7A67: 0C 1C 00	b7A67 NOP f001C
\$7A6A: 00 30	BRK # \$30
\$7A6C: 00 00	BRK # \$00
\$7A6E: 00 00	BRK # \$00
\$7A70: 00 00	BRK # \$00

\$7A72: 00 00	BRK # \$00
\$7A74: 00 00	BRK # \$00
\$7A76: 00 00	BRK # \$00
\$7A78: 00 00	BRK # \$00
\$7A7A: 00 00	a7A7A BRK # \$00
\$7A7C: 00 00	BRK # \$00
\$7A7E: 00 00	BRK # \$00
\$7A80: 00 00	BRK # \$00
\$7A82: 00 03	BRK # \$03
\$7A84: E0 00	CPX # \$00
\$7A86: 0F E0 00	SLO a00E0
\$7A89: 0F 60 00	SLO f0060
\$7A8C: 0F 60 00	SLO f0060
\$7A8F: 0F 60 00	SLO f0060
\$7A92: 05 A0	ORA aA0
\$7A94: 00 16	BRK # \$16
\$7A96: 80 00	NOP # \$00
\$7A98: 16 80	ASL f80,X
\$7A9A: 00 06	BRK # \$06
\$7A9C: A0 00	LDY # \$00
\$7A9E: 02	JAM
\$7A9F: 80 00	NOP # \$00
\$7AA1: 34 40	NOP f40,X
\$7AA3: 00 0C	BRK # \$0C
\$7AA5: C0 00	CPY # \$00

\$7AA7: 00 70	BRK #70
\$7AA9: 00 00	BRK #00
\$7AAB: D0 00	BNE b7AAD
\$7AAD: 00 00	b7AAD BRK #00
\$7AAF: 00 00	BRK #00
\$7AB1: 00 00	BRK #00
\$7AB3: 00 00	BRK #00
\$7AB5: 00 00	BRK #00
\$7AB7: 00 00	BRK #00
\$7AB9: 00 00	BRK #00
f7ABC =*+\$01	
\$7ABB: 00 00	BRK #00
\$7ABD: 00 00	BRK #00
\$7ABF: 00 00	BRK #00
\$7AC1: 00 00	BRK #00
\$7AC3: 07 40	SLO a40
\$7AC5: 00 0F	BRK #0F
\$7AC7: C0 00	CPY #00
\$7AC9: 0D 40 00	ORA f0040
\$7ACC: 0D 40 00	ORA f0040
\$7ACF: 0D 40 00	ORA f0040
\$7AD2: 16 98	ASL f98,X
\$7AD4: 00 5A	BRK #5A
\$7AD6: A8	TAY
\$7AD7: 00 6A	BRK #6A

\$7AD9: A0 00	LDY #\$00
\$7ADB: 6A	ROR
\$7ADC: A0 00	LDY #\$00
\$7ADE: 0A	ASL
\$7ADF: 40	RTI
\$7AE0: 00 06	BRK #\$06
\$7AE2: 80 00	NOP #\$00
\$7AE4: 07 80	a7AE4 SLO a80
\$7AE6: 00 01	BRK #\$01
\$7AE8: 00 00	BRK #\$00
\$7AEA: 03 C0	SLO (pC0,X)
\$7AEC: 00 00	BRK #\$00
\$7AEE: 00 00	BRK #\$00
\$7AF0: 00 00	BRK #\$00
\$7AF2: 00 00	BRK #\$00
\$7AF4: 00 00	BRK #\$00
\$7AF6: 00 00	BRK #\$00
\$7AF8: 00 00	BRK #\$00
\$7AFA: 00 00	BRK #\$00
\$7AFC: 00 00	BRK #\$00
\$7AFE: 00 00	BRK #\$00
\$7B00: 00 00	BRK #\$00
\$7B02: 00 07	BRK #\$07
\$7B04: 40	RTI

\$7B05: 00 0F BRK #0F  
\$7B07: C0 00 CPY #00  
\$7B09: 5D C0 00 EOR a00C0,X  
\$7B0C: 55 40 EOR f40,X  
\$7B0E: 00 45 BRK #45  
\$7B10: 40 RTI  
  
\$7B11: 00 49 BRK #49  
\$7B13: 90 00 BCC b7B15  
\$7B15: 8A b7B15 TXA  
\$7B16: 90 00 BCC b7B18  
\$7B18: 8A b7B18 TXA  
\$7B19: 90 00 BCC b7B1B  
\$7B1B: 8A b7B1B TXA  
\$7B1C: 90 00 BCC b7B1E  
\$7B1E: 8A b7B1E TXA  
\$7B1F: 90 00 BCC b7B21  
\$7B21: 8A b7B21 TXA  
\$7B22: A8 TAY  
\$7B23: 00 86 BRK #86  
\$7B25: A0 00 LDY #00  
\$7B27: 8C 00 00 STY e0000  
\$7B2A: 04 00 NOP a00  
\$7B2C: 00 0C BRK #0C

\$7B2E: 00 00	BRK # \$00
\$7B30: 00 00	BRK # \$00
\$7B32: 00 00	BRK # \$00
\$7B34: 00 00	BRK # \$00
\$7B36: 00 00	BRK # \$00
\$7B38: 00 00	BRK # \$00
\$7B3A: 00 00	BRK # \$00
\$7B3C: 00 00	BRK # \$00
\$7B3E: 00 00	BRK # \$00
\$7B40: 00 00	BRK # \$00
\$7B42: 00 0F	BRK # \$0F
\$7B44: C0 00	CPY # \$00
\$7B46: 0F C0 00	SLO a00C0
\$7B49: 05 C0	ORA aC0
\$7B4B: 00 05	BRK # \$05
\$7B4D: C0 00	CPY # \$00
\$7B4F: 05 C0	ORA aC0
\$7B51: 00 02	BRK # \$02
\$7B53: 80 00	NOP # \$00
\$7B55: 05 40	ORA a40
\$7B57: 00 0A	BRK # \$0A
\$7B59: 40	RTI
\$7B5A: 00 2A	BRK # \$2A
\$7B5C: 80 00	NOP # \$00



\$7B5E: 2A	ROL
\$7B5F: 80 00	NOP # \$00
\$7B61: 2A	ROL
\$7B62: 80 00	NOP # \$00
\$7B64: 0A	ASL
\$7B65: 80 00	NOP # \$00
\$7B67: 04 40	NOP a40
\$7B69: 00 30	BRK # \$30
\$7B6B: 00 00	BRK # \$00
\$7B6D: 00 00	BRK # \$00
\$7B6F: 00 00	BRK # \$00
\$7B71: 00 00	BRK # \$00
\$7B73: 00 00	BRK # \$00
\$7B75: 00 00	BRK # \$00
\$7B77: 00 00	BRK # \$00
f7B7A =*+\$01	
\$7B79: 00 00	BRK # \$00
\$7B7B: 00 00	BRK # \$00
\$7B7D: 00 00	BRK # \$00
\$7B7F: 00 00	f7B7F BRK # \$00
\$7B81: 00 00	BRK # \$00
\$7B83: 0F 00 00	SLO e0000
\$7B86: 0F C0 00	SLO a00C0
\$7B89: 07 C0	SLO aC0
\$7B8B: 00 07	BRK # \$07

\$7B8D: C0 00	CPY # \$00
\$7B8F: 07 C0	SLO aC0
\$7B91: 00 0A	BRK # \$0A
\$7B93: D0 00	BNE b7B95
\$7B95: 09 D4	b7B95 ORA # \$D4
\$7B97: 00 09	BRK # \$09
\$7B99: 90 00	BCC b7B9B
\$7B9B: 09 80	b7B9B ORA # \$80
\$7B9D: 00 0A	BRK # \$0A
\$7B9F: 80 00	NOP # \$00
\$7BA1: 0A	ASL
\$7BA2: 40	RTI
\$7BA3: 00 3D	BRK # \$3D
\$7BA5: C0 00	CPY # \$00
\$7BA7: 00 70	BRK # \$70
\$7BA9: 00 00	BRK # \$00
\$7BAB: C0 00	CPY # \$00
\$7BAD: 00 00	BRK # \$00
\$7BAF: 00 00	BRK # \$00
\$7BB1: 00 00	BRK # \$00
\$7BB3: 00 00	BRK # \$00
\$7BB5: 00 00	BRK # \$00
\$7BB7: 00 00	BRK # \$00
\$7BB9: 00 00	BRK # \$00

\$7BBB: 00 00	BRK # \$00
\$7BBD: 00 00	BRK # \$00
\$7BBF: 00 00	BRK # \$00
\$7BC1: 00 00	BRK # \$00
\$7BC3: 0F 00 00	SLO e0000
\$7BC6: 0F C0 00	SLO a00C0
\$7BC9: 2F C0 00	RLA a00C0
\$7BCC: 2F C0 00	RLA a00C0
\$7BCF: 3F C0 00	RLA a00C0,X
\$7BD2: 25 D0	AND aD0
\$7BD4: 00 25	BRK # \$25
\$7BD6: D0 00	BNE b7BD8
\$7BD8: 26 90	b7BD8 ROL a90
\$7BDA: 00 2A	BRK # \$2A
\$7BDC: 80 00	NOP # \$00
\$7BDE: 2A	ROL
\$7BDF: 00 00	BRK # \$00
\$7BE1: 05 00	ORA a00
\$7BE3: 00 03	BRK # \$03
\$7BE5: 00 00	BRK # \$00
\$7BE7: 0D 00 00	ORA e0000
\$7BEA: 03 00	SLO (p00,X)
\$7BEC: 00 00	BRK # \$00
\$7BEE: 00 00	BRK # \$00
\$7BF0: 00 00	BRK # \$00

\$7BF2: 00 00	BRK # \$00
\$7BF4: 00 00	BRK # \$00
\$7BF6: 00 00	BRK # \$00
\$7BF8: 00 00	BRK # \$00
\$7BFA: 00 00	BRK # \$00
\$7BFC: 00 00	f7BFC BRK # \$00
\$7BFE: 00 00	f7BFE BRK # \$00
\$7C00: 00 08	BRK # \$08
\$7C02: 00 0B	BRK # \$0B
\$7C04: 48	PHA
\$7C05: 00 2F	BRK # \$2F
\$7C07: CC 00 2F	CPY a2F00
\$7C0A: C8	INY
\$7C0B: 00 2F	BRK # \$2F
\$7C0D: C8	INY
\$7C0E: 00 AF	BRK # \$AF
\$7C10: C8	INY
\$7C11: 00 95	BRK # \$95
\$7C13: D4 00	NOP f00,X
\$7C15: 95 D4	STA fD4,X
\$7C17: 00 16	BRK # \$16
\$7C19: 90 00	BCC b7C1B
\$7C1B: 1A	b7C1B NOP
\$7C1C: 80 00	NOP # \$00
\$7C1E: 06 80	ASL a80

\$7C20: 00 04	BRK # \$04
\$7C22: 40	RTI
\$7C23: 00 00	BRK # \$00
\$7C25: 40	RTI
\$7C26: 00 00	BRK # \$00
\$7C28: C0 00	CPY # \$00
\$7C2A: 00 40	BRK # \$40
\$7C2C: 00 00	BRK # \$00
\$7C2E: C0 00	CPY # \$00
\$7C30: 00 00	BRK # \$00
\$7C32: 00 00	BRK # \$00
\$7C34: 00 00	BRK # \$00
\$7C36: 00 00	BRK # \$00
\$7C38: 00 00	BRK # \$00
\$7C3A: 00 00	BRK # \$00
\$7C3C: 00 00	BRK # \$00
\$7C3E: 00 00	BRK # \$00
\$7C40: 00 00	BRK # \$00
\$7C42: 00 03	BRK # \$03
\$7C44: C0 00	CPY # \$00
\$7C46: 0F C0 00	SLO a00C0
\$7C49: 0F C0 00	SLO a00C0
\$7C4C: 0F E2 00	SLO a00E2

\$7C4F: 0F CA 00 SLO a00CA

\$7C52: 0D 68 00 ORA a0068

\$7C55: 05 60 ORA a60

\$7C57: 00 05 a7C57 BRK # \$05

\$7C59: 50 00 BVC b7C5B

f7C5C =\*+\$01

\$7C5B: 09 40 b7C5B ORA # \$40

\$7C5D: 00 02 BRK # \$02

f7C60 =\*+\$01

\$7C5F: 80 00 NOP # \$00

\$7C61: 01 90 ORA (p90,X)

\$7C63: 00 01 BRK # \$01

\$7C65: 40 RTI

\$7C66: 00 03 f7C66 BRK # \$03

\$7C68: 00 00 BRK # \$00

\$7C6A: 01 40 ORA (p40,X)

\$7C6C: 00 03 BRK # \$03

\$7C6E: 00 00 BRK # \$00

\$7C70: 00 00 f7C70 BRK # \$00

\$7C72: 00 00 BRK # \$00

\$7C74: 00 00 BRK # \$00

\$7C76: 00 00 BRK # \$00

\$7C78: 00 00 BRK # \$00

f7C7B =\*+\$01

\$7C7A: 00 00 BRK # \$00

f7C7D =\*+\$01

\$7C7C: 00 00 f7C7C BRK # \$00

f7C7F =\*+\$01

\$7C7E: 00 00 BRK # \$00

\$7C80: 00 00 BRK # \$00

\$7C82: 00 03 BRK # \$03

\$7C84: C0 00 CPY # \$00

\$7C86: 0F C0 00 SLO a00C0

\$7C89: 0F 60 00 SLO f0060

\$7C8C: 0F 60 00 SLO f0060

\$7C8F: 0F 60 00 SLO f0060

\$7C92: 05 A0 ORA aA0

\$7C94: 00 09 BRK # \$09

\$7C96: A0 00 LDY # \$00

\$7C98: 09 A0 ORA # \$A0

\$7C9A: 00 09 BRK # \$09

\$7C9C: AA TAX

\$7C9D: 00 06 BRK # \$06

\$7C9F: 40 RTI

\$7CA0: 00 05 BRK # \$05

\$7CA2: 40 RTI

\$7CA3: 00 0C BRK # \$0C

\$7CA5: D0 00	BNE b7CA7
\$7CA7: 0C 00 00	b7CA7 NOP e0000
\$7CAA: 03 00	SLO (p00,X)
\$7CAC: 00 00	BRK # \$00
\$7CAE: 00 00	BRK # \$00
\$7CB0: 00 00	BRK # \$00
\$7CB2: 00 00	BRK # \$00
\$7CB4: 00 00	BRK # \$00
\$7CB6: 00 00	BRK # \$00
\$7CB8: 00 00	BRK # \$00
\$7CBA: 00 00	BRK # \$00
\$7CBC: 00 00	BRK # \$00
\$7CBE: 00 00	BRK # \$00
\$7CC0: 00 00	BRK # \$00
\$7CC2: 00 07	BRK # \$07
\$7CC4: 40	RTI
\$7CC5: 00 0F	BRK # \$0F
\$7CC7: C0 00	CPY # \$00
\$7CC9: 0D 40 00	ORA f0040
\$7CCC: 0D 48 00	ORA a0048
\$7CCF: 0D 48 00	ORA a0048
\$7CD2: 06 98	ASL a98
\$7CD4: 00 16	BRK # \$16
\$7CD6: A8	TAY



\$7CD7: 00 1A	BRK # \$1A
\$7CD9: A0 00	LDY # \$00
\$7CDB: 16 A0	ASL fA0,X
\$7CDD: 00 06	BRK # \$06
\$7CDF: 80 00	NOP # \$00
\$7CE1: 06 80	ASL a80
\$7CE3: 00 34	BRK # \$34
\$7CE5: A0 00	LDY # \$00
\$7CE7: 10 68	BPL b7D51
\$7CE9: 00 0C	BRK # \$0C
\$7CEB: 08	PHP
\$7CEC: 00 00	BRK # \$00
\$7CEE: 00 00	BRK # \$00
\$7CF0: 00 00	BRK # \$00
\$7CF2: 00 00	BRK # \$00
\$7CF4: 00 00	BRK # \$00
\$7CF6: 00 00	BRK # \$00
\$7CF8: 00 00	BRK # \$00
\$7CFA: 00 00	BRK # \$00
\$7CFC: 00 00	BRK # \$00
\$7CFE: 00 00	BRK # \$00
\$7D00: 00 00	BRK # \$00
\$7D02: 00 07	BRK # \$07
\$7D04: 40	RTI

\$7D05: 00 0F	BRK #0F
\$7D07: C0 00	CPY #00
\$7D09: 0D C0 00	ORA a00C0
\$7D0C: 15 40	ORA f40,X
\$7D0E: 00 55	BRK #55
\$7D10: 50 00	BVC b7D12
\$7D12: 49 90	b7D12 EOR #90
\$7D14: 00 4A	BRK #4A
\$7D16: 90 00	BCC b7D18
\$7D18: 4A	b7D18 LSR
\$7D19: 90 00	BCC b7D1B
\$7D1B: 8A	b7D1B TXA
\$7D1C: A8	TAY
\$7D1D: 00 86	BRK #86
\$7D1F: A0 00	LDY #00
\$7D21: 80 40	NOP #40
\$7D23: 00 80	BRK #80
\$7D25: 40	RTI
\$7D26: 00 80	BRK #80
\$7D28: C0 00	CPY #00
\$7D2A: 80 40	NOP #40
\$7D2C: 00 80	BRK #80
\$7D2E: C0 00	CPY #00
\$7D30: 00 00	BRK #00

\$7D32: 00 00	BRK # \$00
\$7D34: 00 00	BRK # \$00
\$7D36: 00 00	BRK # \$00
\$7D38: 00 00	BRK # \$00
\$7D3A: 00 00	BRK # \$00
\$7D3C: 00 00	BRK # \$00
\$7D3E: 00 00	BRK # \$00
\$7D40: 00 00	BRK # \$00
\$7D42: 00 0F	BRK # \$0F
\$7D44: C0 00	CPY # \$00
\$7D46: 0F C0 00	SLO a00C0
\$7D49: 05 C0	ORA aC0
\$7D4B: 00 05	BRK # \$05
\$7D4D: C0 00	CPY # \$00
\$7D4F: 05 C0	ORA aC0
\$7D51: 00 02	b7D51 BRK # \$02
\$7D53: 80 00	NOP # \$00
\$7D55: 05 40	ORA a40
\$7D57: 00 0A	BRK # \$0A
\$7D59: A0 00	LDY # \$00
\$7D5B: 0A	ASL
\$7D5C: A0 00	LDY # \$00
\$7D5E: 2A	ROL
\$7D5F: A0 00	LDY # \$00
\$7D61: A2 A0	LDX # \$A0

\$7D63: 00 82	BRK #82
\$7D65: 90 00	BCC b7D67
\$7D67: 01 00	b7D67 ORA (p00,X)
\$7D69: 00 03	BRK #03
\$7D6B: 00 00	BRK #00
\$7D6D: 0C 00 00	NOP e0000
\$7D70: 00 00	BRK #00
\$7D72: 00 00	BRK #00
\$7D74: 00 00	BRK #00
\$7D76: 00 00	BRK #00
\$7D78: 00 00	BRK #00
\$7D7A: 00 00	BRK #00
f7D7D	=*+01
\$7D7C: 00 00	BRK #00
\$7D7E: 00 00	BRK #00
\$7D80: 00 00	BRK #00
\$7D82: 00 0F	BRK #0F
\$7D84: 00 00	BRK #00
\$7D86: 0F C0 00	SLO a00C0
\$7D89: 07 C0	SLO aC0
\$7D8B: 00 07	BRK #07
\$7D8D: C0 00	CPY #00
\$7D8F: 07 D0	SLO aD0
\$7D91: 00 02	BRK #02
\$7D93: D0 00	BNE b7D95

\$7D95: E9 D0    b7D95 SBC #D0  
\$7D97: 00 A9        BRK #A9  
\$7D99: 90 00        BCC b7D9B  
\$7D9B: 09 80    b7D9B ORA #80  
\$7D9D: 00 0A        BRK #0A  
\$7D9F: 80 00        NOP #00  
\$7DA1: 0A        ASL  
\$7DA2: 10 00        BPL b7DA4  
\$7DA4: 09 D0    b7DA4 ORA #D0  
\$7DA6: 00 38        BRK #38  
\$7DA8: 00 00        BRK #00  
\$7DAA: 0C 00 00    NOP e0000  
\$7DAD: 00 00        BRK #00  
\$7DAF: 00 00        BRK #00  
\$7DB1: 00 00        BRK #00  
\$7DB3: 00 00        BRK #00  
\$7DB5: 00 00        BRK #00  
\$7DB7: 00 00        BRK #00  
\$7DB9: 00 00        BRK #00  
\$7DBB: 00 00        BRK #00  
\$7DBD: 00 00        BRK #00  
\$7DBF: 00 00        BRK #00  
\$7DC1: 00 00        BRK #00  
\$7DC3: 8F 00 00    SAX e0000  
\$7DC6: AF C0 00    LAX a00C0

\$7DC9: 2F C0 00	RLA a00C0
\$7DCC: 0F C0 00	SLO a00C0
\$7DCF: 2F C0 00	RLA a00C0
\$7DD2: 25 D0	AND aD0
\$7DD4: 00 35	BRK #35
\$7DD6: C0 00	CPY #00
\$7DD8: 26 80	ROL a80
\$7DDA: 00 26	BRK #26
\$7DDC: 80 00	NOP #00
\$7DDE: 26 80	ROL a80
\$7DE0: 00 2C	BRK #2C
\$7DE2: C0 00	CPY #00
\$7DE4: 20 50 00	JSR f0050
\$7DE7: 00 70	BRK #70
\$7DE9: 00 00	BRK #00
\$7DEB: 00 00	BRK #00
\$7DED: 00 00	BRK #00
\$7DEF: 00 00	BRK #00
\$7DF1: 00 00	BRK #00
\$7DF3: 00 00	BRK #00
\$7DF5: 00 00	BRK #00
\$7DF7: 00 00	BRK #00
\$7DF9: 00 00	BRK #00
\$7DFB: 00 00	BRK #00
\$7DFD: 00 00	BRK #00

f7E00 =\*+\$01

\$7DFF: 00 30 BRK # \$30

\$7E01: 00 00 BRK # \$00

\$7E03: 30 00 BMI b7E05

f7E06 =\*+\$01

\$7E05: 00 30 b7E05 BRK # \$30

\$7E07: 00 00 BRK # \$00

\$7E09: 30 00 BMI b7E0B

\$7E0B: 00 30 b7E0B BRK # \$30

\$7E0D: 00 00 BRK # \$00

\$7E0F: A8 TAY

\$7E10: 00 00 BRK # \$00

\$7E12: 10 00 BPL b7E14

\$7E14: 00 20 b7E14 BRK # \$20

\$7E16: 00 00 BRK # \$00

\$7E18: 00 00 BRK # \$00

\$7E1A: 00 00 BRK # \$00

\$7E1C: 00 00 BRK # \$00

\$7E1E: 00 00 BRK # \$00

\$7E20: 00 00 BRK # \$00

\$7E22: 00 00 BRK # \$00

\$7E24: 00 00 BRK # \$00

\$7E26: 00 00 BRK # \$00

\$7E28: 00 00 BRK # \$00

\$7E2A: 00 00 BRK # \$00

\$7E2C: 00 00	BRK # \$00
\$7E2E: 00 00	BRK # \$00
\$7E30: 00 00	BRK # \$00
\$7E32: 00 00	BRK # \$00
\$7E34: 00 00	BRK # \$00
\$7E36: 00 00	BRK # \$00
\$7E38: 00 00	BRK # \$00
\$7E3A: 00 00	BRK # \$00
\$7E3C: 00 00	BRK # \$00
\$7E3E: 00 8E	BRK # \$8E
\$7E40: 03 00	SLO (p00,X)
\$7E42: 00 03	BRK # \$03
\$7E44: 00 00	BRK # \$00
\$7E46: 0C 00 00	NOP e0000
\$7E49: 8C 00 00	STY e0000
\$7E4C: A0 00	LDY # \$00
\$7E4E: 00 68	BRK # \$68
\$7E50: 00 00	BRK # \$00
\$7E52: 98	TYA
\$7E53: 00 00	BRK # \$00
\$7E55: 80 00	NOP # \$00
\$7E57: 00 00	BRK # \$00
\$7E59: 00 00	BRK # \$00
\$7E5B: 00 00	BRK # \$00
\$7E5D: 00 00	BRK # \$00



f7E60 =\*+\$01

\$7E5F: 00 00 BRK # \$00

\$7E61: 00 00 BRK # \$00

\$7E63: 00 00 BRK # \$00

f7E66 =\*+\$01

\$7E65: 00 00 BRK # \$00

\$7E67: 00 00 BRK # \$00

\$7E69: 00 00 BRK # \$00

\$7E6B: 00 00 BRK # \$00

\$7E6D: 00 00 BRK # \$00

\$7E6F: 00 00 BRK # \$00

\$7E71: 00 00 BRK # \$00

\$7E73: 00 00 BRK # \$00

\$7E75: 00 00 BRK # \$00

\$7E77: 00 00 BRK # \$00

\$7E79: 00 00 BRK # \$00

\$7E7B: 00 00 BRK # \$00

f7E7E =\*+\$01

\$7E7D: 00 00 f7E7D BRK # \$00

\$7E7F: 8E 00 00 STX e0000

\$7E82: 00 00 BRK # \$00

\$7E84: 00 00 BRK # \$00

\$7E86: 20 00 00 JSR e0000

\$7E89: AF 00 00 LAX e0000

\$7E8C: 6F 00 00 RRA e0000

\$7E8F: 20 00 00	JSR e0000
\$7E92: 00 00	BRK # \$00
\$7E94: 00 00	BRK # \$00
\$7E96: 00 00	BRK # \$00
\$7E98: 00 00	BRK # \$00
\$7E9A: 00 00	BRK # \$00
\$7E9C: 00 00	BRK # \$00
\$7E9E: 00 00	BRK # \$00
\$7EA0: 00 00	BRK # \$00
\$7EA2: 00 00	BRK # \$00
\$7EA4: 00 00	BRK # \$00
\$7EA6: 00 00	BRK # \$00
\$7EA8: 00 00	BRK # \$00
\$7EAA: 00 00	BRK # \$00
\$7EAC: 00 00	BRK # \$00
\$7EAE: 00 00	BRK # \$00
\$7EB0: 00 00	BRK # \$00
\$7EB2: 00 00	BRK # \$00
\$7EB4: 00 00	BRK # \$00
\$7EB6: 00 00	BRK # \$00
\$7EB8: 00 00	BRK # \$00
\$7EBA: 00 00	BRK # \$00
\$7EBC: 00 00	BRK # \$00
\$7EBE: 00 8E	BRK # \$8E
\$7EC0: 80 00	NOP # \$00

\$7EC2: 00 98	BRK #98
\$7EC4: 00 00	BRK #00
\$7EC6: 68	PLA
\$7EC7: 00 00	BRK #00
\$7EC9: A0 00	LDY #00
\$7ECB: 00 8C	BRK #8C
\$7ECD: 00 00	BRK #00
\$7ECF: 0C 00 00	NOP e0000
\$7ED2: 03 00	SLO (p00,X)
\$7ED4: 00 03	BRK #03
\$7ED6: 00 00	BRK #00
\$7ED8: 00 00	BRK #00
\$7EDA: 00 00	BRK #00
\$7EDC: 00 00	BRK #00
\$7EDE: 00 00	BRK #00
\$7EE0: 00 00	BRK #00
\$7EE2: 00 00	BRK #00
\$7EE4: 00 00	BRK #00
\$7EE6: 00 00	a7EE6 BRK #00
\$7EE8: 00 00	BRK #00
\$7EEA: 00 00	BRK #00
\$7EEC: 00 00	BRK #00
\$7EEE: 00 00	BRK #00
\$7EF0: 00 00	BRK #00
\$7EF2: 00 00	BRK #00

\$7EF4: 00 00	BRK # \$00
\$7EF6: 00 00	BRK # \$00
\$7EF8: 00 00	BRK # \$00
\$7EFA: 00 00	BRK # \$00
\$7EFC: 00 00	f7EFC BRK # \$00
\$7EFE: 00 8E	BRK # \$8E
\$7F00: 20 00 00	f7F00 JSR e0000
\$7F03: 10 00	BPL b7F05
\$7F05: 00 A8	b7F05 BRK # \$A8
\$7F07: 00 00	BRK # \$00
\$7F09: 30 00	BMI b7F0B
\$7F0B: 00 30	b7F0B BRK # \$30
\$7F0D: 00 00	BRK # \$00
\$7F0F: 30 00	BMI b7F11
\$7F11: 00 30	b7F11 BRK # \$30
\$7F13: 00 00	BRK # \$00
\$7F15: 30 00	BMI b7F17
\$7F17: 00 00	b7F17 BRK # \$00
\$7F19: 00 00	BRK # \$00
\$7F1B: 00 00	BRK # \$00
\$7F1D: 00 00	BRK # \$00
\$7F1F: 00 00	BRK # \$00
\$7F21: 00 00	BRK # \$00
\$7F23: 00 00	BRK # \$00
\$7F25: 00 00	BRK # \$00

\$7F27: 00 00	BRK # \$00
\$7F29: 00 00	BRK # \$00
\$7F2B: 00 00	BRK # \$00
\$7F2D: 00 00	BRK # \$00
\$7F2F: 00 00	BRK # \$00
\$7F31: 00 00	BRK # \$00
\$7F33: 00 00	BRK # \$00
\$7F35: 00 00	BRK # \$00
\$7F37: 00 00	BRK # \$00
\$7F39: 00 00	BRK # \$00
\$7F3B: 00 00	BRK # \$00
\$7F3D: 00 00	BRK # \$00
\$7F3F: 8E 02 00	a7F3F STX a0002
\$7F42: 00 26	BRK # \$26
\$7F44: 00 00	BRK # \$00
\$7F46: 29 00	AND # \$00
\$7F48: 00 0A	BRK # \$0A
\$7F4A: 00 00	BRK # \$00
\$7F4C: 32	JAM
\$7F4D: 00 00	BRK # \$00
\$7F4F: 30 00	f7F4F BMI b7F51
\$7F51: 00 C0	b7F51 BRK # \$C0
\$7F53: 00 00	BRK # \$00
\$7F55: C0 00	CPY # \$00
\$7F57: 00 00	BRK # \$00

\$7F59: 00 00 BRK # \$00

\$7F5B: 00 00 BRK # \$00

\$7F5D: 00 00 BRK # \$00

\$7F5F: 00 00 f7F5F BRK # \$00

\$7F61: 00 00 BRK # \$00

\$7F63: 00 00 BRK # \$00

\$7F65: 00 00 BRK # \$00

\$7F67: 00 00 BRK # \$00

p7F6A =\*+ \$01

\$7F69: 00 00 BRK # \$00

\$7F6B: 00 00 BRK # \$00

\$7F6D: 00 00 BRK # \$00

\$7F6F: 00 00 BRK # \$00

f7F72 =\*+ \$01

\$7F71: 00 00 BRK # \$00

\$7F73: 00 00 f7F73 BRK # \$00

\$7F75: 00 00 BRK # \$00

\$7F77: 00 00 f7F77 BRK # \$00

\$7F79: 00 00 BRK # \$00

\$7F7B: 00 00 f7F7B BRK # \$00

f7F7E =\*+ \$01

\$7F7D: 00 00 f7F7D BRK # \$00

a7F80 =\*+ \$01

\$7F7F: 8E 00 00 f7F7F STX e0000

\$7F82: 00 00 BRK # \$00

\$7F84: 00 00	BRK # \$00
\$7F86: 08	PHP
\$7F87: 00 00	BRK # \$00
\$7F89: FA	NOP
\$7F8A: 00 00	BRK # \$00
\$7F8C: F9 00 00	SBC e0000,Y
\$7F8F: 08	PHP
\$7F90: 00 00	BRK # \$00
\$7F92: 00 00	BRK # \$00
\$7F94: 00 00	BRK # \$00
\$7F96: 00 00	BRK # \$00
\$7F98: 00 00	BRK # \$00
\$7F9A: 00 00	BRK # \$00
\$7F9C: 00 00	BRK # \$00
\$7F9E: 00 00	BRK # \$00
\$7FA0: 00 00	BRK # \$00
\$7FA2: 00 00	BRK # \$00
\$7FA4: 00 00	BRK # \$00
\$7FA6: 00 00	BRK # \$00
\$7FA8: 00 00	BRK # \$00
\$7FAA: 00 00	BRK # \$00
\$7FAC: 00 00	BRK # \$00
\$7FAE: 00 00	BRK # \$00
\$7FB0: 00 00	BRK # \$00
\$7FB2: 00 00	BRK # \$00

\$7FB4: 00 00 BRK # \$00

\$7FB6: 00 00 BRK # \$00

\$7FB8: 00 00 BRK # \$00

\$7FBA: 00 00 BRK # \$00

\$7FBC: 00 00 BRK # \$00

f7FBF = \* + \$01

\$7FBE: 00 8E BRK # \$8E

\$7FC0: C0 00 CPY # \$00

\$7FC2: 00 C0 BRK # \$C0

\$7FC4: 00 00 BRK # \$00

\$7FC6: 30 00 BMI b7FC8

\$7FC8: 00 32 b7FC8 BRK # \$32

\$7FCA: 00 00 BRK # \$00

\$7FCC: 0A ASL

\$7FCD: 00 00 BRK # \$00

\$7FCF: 29 00 AND # \$00

\$7FD1: 00 26 BRK # \$26

\$7FD3: 00 00 BRK # \$00

\$7FD5: 02 JAM

\$7FD6: 00 00 BRK # \$00

\$7FD8: 00 00 BRK # \$00

\$7FDA: 00 00 BRK # \$00

\$7FDC: 00 00 BRK # \$00

\$7FDE: 00 00 BRK # \$00

\$7FE0: 00 00 BRK # \$00



\$7FE2: 00 00 BRK # \$00  
\$7FE4: 00 00 BRK # \$00  
\$7FE6: 00 00 BRK # \$00  
\$7FE8: 00 00 BRK # \$00  
\$7FEA: 00 00 BRK # \$00  
\$7FEC: 00 00 BRK # \$00  
\$7FEE: 00 00 BRK # \$00  
\$7FF0: 00 00 BRK # \$00  
\$7FF2: 00 00 BRK # \$00  
\$7FF4: 00 00 f7FF4 BRK # \$00  
\$7FF6: 00 00 BRK # \$00  
\$7FF8: 00 00 BRK # \$00  
\$7FFA: 00 00 BRK # \$00  
f7FFD =\*+\$01  
\$7FFC: 00 00 BRK # \$00  
f7FFF =\*+\$01  
\$7FFE: 00 8E f7FFE BRK # \$8E  
\$8000: 4C 13 80 f8000 JMP j8013  
  
\$8003: 00 00 BRK # \$00  
\$8005: 00 00 BRK # \$00  
\$8007: 00 00 BRK # \$00  
\$8009: 00 00 BRK # \$00  
\$800B: 00 00 BRK # \$00  
\$800D: 00 00 BRK # \$00

\$800F: 00 00 BRK #00  
\$8011: 00 00 BRK #00  
\$8013: A9 00 j8013 LDA #00  
\$8015: 8D 9E E6 a8015 STA aE69E  
\$8018: A9 01 LDA #01  
\$801A: 8D AE 99 STA a99AE  
\$801D: 8D AF 99 STA a99AF  
\$8020: 8D 44 9A s8020 STA a9A44  
\$8023: 20 89 82 JSR s8289  
\$8026: AD FD CF LDA aCFFD  
a802A =\*+01  
\$8029: D0 16 BNE b8041  
\$802B: 20 C4 82 JSR s82C4  
\$802E: 20 97 C6 JSR sC697  
\$8031: 20 64 99 JSR s9964  
\$8034: 20 89 82 JSR s8289  
\$8037: 20 0F A5 JSR sA50F  
\$803A: 29 3F AND #3F  
\$803C: 69 0A ADC #0A  
\$803E: 8D B0 99 STA a99B0  
\$8041: 20 20 8D b8041 JSR s8D20  
\$8044: 20 97 C6 JSR sC697  
\$8047: 20 FD 81 JSR s81FD  
\$804A: 20 83 9C JSR s9C83  
\$804D: 20 09 83 JSR s8309

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$8050: 20 0E A1      JSR sA10E
$8053: 20 56 CE      JSR sCE56
$8056: 20 37 85      JSR s8537
$8059: 20 7E A5      JSR sA57E
$805C: 20 24 B0      JSR sB024
$805F: AD 16 D0      LDA $D016 ;VIC Control Register 2
$8062: 29 D0         AND #$D0
$8064: 09 10         ORA #$10
$8066: 8D 16 D0      STA $D016 ;VIC Control Register 2
$8069: A9 01      s8069 LDA #$01
$806B: 8D 3E B7      STA aB73E
$806E: 20 B9 C6      JSR sC6B9
$8071: A9 00         LDA #$00
$8073: 20 D4 C6      JSR sC6D4
$8076: A9 08         LDA #$08
$8078: 20 E9 C6      JSR sC6E9
$807B: A9 00         LDA #$00
$807D: 8D 59 82      STA a8259
$8080: 20 E0 84      s8080 JSR s84E0
$8083: 20 FD 81      JSR s81FD
$8086: A9 05         LDA #$05
$8088: 8D 1B B0      STA aB01B
          s808C =*+$01
$808B: 20 A8 C6      JSR sC6A8
$808E: 20 FD 81      JSR s81FD

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\$8091: 20 09 83 j8091 JSR s8309

\$8094: 20 44 B0 JSR sB044

\$8097: A9 01 LDA #01

\$8099: 8D AE 99 STA a99AE

\$809C: 8D 44 9A STA a9A44

\$809F: 8D AF 99 STA a99AF

\$80A2: 20 65 A7 JSR sA765

\$80A5: 20 F2 A5 JSR sA5F2

\$80A8: 20 3A 84 JSR s843A

\$80AB: 20 AF BA JSR sBAAF

\$80AE: A9 0F j80AE LDA #0F

\$80B0: 8D 40 88 STA a8840

\$80B3: A9 00 LDA #00

\$80B5: 8D 54 82 STA a8254

\$80B8: 20 44 B0 JSR sB044

\$80BB: 20 B2 99 JSR s99B2

f80C0 =\*+02

\$80BE: 20 04 C7 JSR sC704

\$80C1: 20 C5 CC JSR sCCCC5

\$80C4: 20 3F CD JSR sCD3F

\$80C7: 20 A1 CC JSR sCCA1

\$80CA: 20 11 CD JSR sCD11

\$80CD: 20 ED C0 JSR sC0ED

f80D1 =\*+01

\$80D0: 20 33 A4 JSR sA433

\$80D3: 20 65 A4 JSR sA465  
\$80D6: 20 85 95 JSR s9585  
\$80D9: 20 1F 9D JSR s9D1F  
\$80DC: A9 04 LDA #\$04  
f80E0 =\*+\$02  
\$80DE: 8D 38 88 STA a8838  
\$80E1: 8D 37 88 STA a8837  
\$80E4: A9 08 LDA #\$08  
f80E8 =\*+\$02  
\$80E6: 8D 39 88 STA a8839  
\$80E9: A9 00 LDA #<p0200  
\$80EB: 8D 59 82 STA a8259  
\$80EE: A9 02 LDA #>p0200  
a80F1 =\*+\$01  
a80F2 =\*+\$02  
\$80F0: 8D 5A 82 a80F0 STA a825A  
a80F4 =\*+\$01  
\$80F3: AD 11 D0 a80F3 LDA \$D011 ;VIC Control Register 1  
\$80F6: 29 70 AND #\$70  
\$80F8: 09 07 ORA #\$07  
\$80FA: 8D 11 D0 STA \$D011 ;VIC Control Register 1  
\$80FD: A9 04 LDA #\$04  
\$80FF: 85 FF STA aFF  
\$8101: 20 2F B0 JSR sB02F  
\$8104: 20 14 8A JSR s8A14

\$8107: 20 04 8C JSR s8C04  
\$810A: 20 0D BC JSR sBC0D  
\$810D: A9 01 LDA #\$01  
\$810F: 8D 6D 82 STA a826D  
\$8112: 8D 6B 82 STA a826B  
\$8115: A9 70 LDA #\$70  
\$8117: 20 E8 8B JSR s8BE8  
\$811A: A9 03 LDA #\$03  
\$811C: 20 BA CE JSR sCEBA  
\$811F: 20 0D 82 JSR s820D  
\$8122: AD AD 99 LDA a99AD  
\$8125: C9 76 CMP #\$76  
\$8127: 90 6B BCC b8194  
\$8129: A9 40 b8129 LDA #\$40  
\$812B: 20 E8 8B JSR s8BE8  
\$812E: 20 14 8A JSR s8A14  
\$8131: 20 04 8C JSR s8C04  
\$8134: EE 54 82 INC a8254  
\$8137: 20 EC A7 JSR sA7EC  
\$813A: 20 63 A9 JSR sA963  
\$813D: 20 9F AB JSR sAB9F  
\$8140: 20 EF AA a8140 JSR sAAEF  
\$8143: AD 40 88 LDA a8840  
\$8146: CD 42 88 CMP s8842  
\$8149: 8D 42 88 STA s8842

\$814C: D0 09      BNE b8157  
\$814E: 20 B0 B1      JSR sB1B0  
\$8151: 20 99 B7      JSR sB799  
\$8154: 20 AF BA      JSR sBAAF  
\$8157: 20 3C A6    b8157 JSR sA63C  
\$815A: 20 72 BA      JSR sBA72  
\$815D: 20 66 AE      JSR sAE66  
\$8160: 20 0E A7      JSR sA70E  
\$8163: AD 93 AE      LDA aAE93  
\$8166: D0 06      BNE b816E  
\$8168: 20 DD AE      JSR sAEDD  
\$816B: 4C AE 80      JMP j80AE  
  
\$816E: AD 20 91    b816E LDA a9120  
\$8171: F0 04      BEQ b8177  
\$8173: 29 40      AND #\$40  
\$8175: F0 B2      BEQ b8129  
\$8177: AD 21 91    b8177 LDA a9121  
\$817A: F0 04      BEQ b8180  
\$817C: 29 40      AND #\$40  
\$817E: F0 A9      BEQ b8129  
\$8180: AD 1E 91    b8180 LDA a911E  
\$8183: 0D 1F 91      ORA a911F  
\$8186: F0 03      BEQ b818B  
\$8188: 4C 29 81      JMP b8129

\$818B: 20 64 A5 b818B JSR sA564

\$818E: 20 DD AE JSR sAEDD

\$8191: 4C AE 80 JMP j80AE

\$8194: A9 40 b8194 LDA #40

\$8196: 20 E8 8B JSR s8BE8

\$8199: 20 14 8A JSR s8A14

\$819C: 20 04 8C JSR s8C04

\$819F: EE 54 82 INC a8254

\$81A2: 20 EC A7 a81A2 JSR sA7EC

\$81A5: AD 40 88 LDA a8840

\$81A8: CD 42 88 CMP s8842

\$81AB: 8D 42 88 STA s8842

\$81AE: D0 2A BNE b81DA

\$81B0: 20 63 A9 JSR sA963

\$81B3: 20 9F AB JSR sAB9F

\$81B6: 20 EF AA JSR sAAEF

\$81B9: 20 46 BB JSR sBB46

\$81BC: 20 49 B2 JSR sB249

\$81BF: 20 0D BC JSR sBC0D

\$81C2: 20 F3 B8 JSR sB8F3

\$81C5: 20 99 B7 JSR sB799

\$81C8: 20 4E B4 JSR sB44E

\$81CB: 20 AF BA JSR sBAAF



\$81CE: 20 72 BA JSR sBA72  
\$81D1: 20 36 B6 JSR sB636  
\$81D4: 20 3C A6 JSR sA63C  
\$81D7: 20 0E A7 JSR sA70E  
\$81DA: AD 20 91 b81DA LDA a9120  
\$81DD: F0 04 BEQ b81E3  
\$81DF: 29 40 AND #\$40  
\$81E1: F0 B1 BEQ b8194  
\$81E3: AD 21 91 b81E3 LDA a9121  
\$81E6: F0 04 BEQ b81EC  
\$81E8: 29 40 AND #\$40  
\$81EA: F0 A8 BEQ b8194  
\$81EC: AD 1E 91 b81EC LDA a911E  
\$81EF: 0D 1F 91 ORA a911F  
\$81F2: F0 03 BEQ b81F7  
\$81F4: 4C 94 81 JMP b8194  
  
\$81F7: 20 64 A5 b81F7 JSR sA564  
\$81FA: 4C AE 80 JMP j80AE  
  
\$81FD: A9 01 s81FD LDA #\$01  
\$81FF: 8D 6D 82 STA a826D  
\$8202: A9 40 LDA #\$40  
\$8204: 20 E8 8B JSR s8BE8  
\$8207: A9 00 LDA #\$00

\$8209: 8D 51 82 STA a8251

\$820C: 60 RTS

\$820D: A9 FF s820D LDA #\$FF

\$820F: 8D 11 91 STA a9111

\$8212: AD 20 91 LDA a9120

\$8215: 29 3F AND #\$3F

\$8217: 8D 20 91 STA a9120

\$821A: AD 21 91 LDA a9121

\$821D: 29 3F AND #\$3F

b8221 =\*+\$02

\$821F: 8D 21 91 STA a9121

\$8222: A9 C0 LDA #<fE0C0

\$8224: 8D 2C 91 STA a912C

\$8227: A9 E0 LDA #>fE0C0

\$8229: 8D 2D 91 STA a912D

\$822C: A9 00 LDA #\$00

\$822E: 8D 4A B7 STA aB74A

b8233 =\*+\$02

\$8231: 8D 4B B7 STA aB74B

f8236 =\*+\$02

\$8234: 8D 19 B0 STA aB019

\$8237: 8D 1A B0 STA aB01A

\$823A: 8D C6 B5 STA aB5C6

\$823D: 8D C8 B5 STA aB5C8

\$8240: 8D 17 B0 f8240 STA aB017

\$8243: 8D 18 B0 STA aB018

\$8246: 8D 39 B7 STA aB739

\$8249: AD 3B B7 LDA aB73B

\$824C: 8D 3A B7 STA aB73A

\$824F: 60 RTS

a8251 =\*+\$01

\$8250: 15 CA a8250 ORA fCA,X

a8253 =\*+\$01

\$8252: 01 01 a8252 ORA (p01,X)

\$8254: 28 a8254 PLP

a8256 =\*+\$01

\$8255: C7 31 a8255 DCP a31

a8258 =\*+\$01

\$8257: 06 00 a8257 ASL a00

a825A =\*+\$01

\$8259: 00 02 a8259 BRK #02

a825C =\*+\$01

\$825B: 10 D6 a825B BPL b8233

f825E =\*+\$01

\$825D: 06 02 a825D ASL a02

\$825F: 04 02 NOP a02

\$8261: 06 00 ASL a00

a8264 =\*+\$01

\$8263: 0B 0A    a8263    ANC # \$0A  
                  a8266    =\*+\$01

\$8265: 74 C0    a8265    NOP fC0,X  
                  a8268    =\*+\$01

\$8267: 00 00    a8267    BRK # \$00  
                  a826A    =\*+\$01

\$8269: 00 00    a8269    BRK # \$00  
                  a826C    =\*+\$01

\$826B: 01 07    a826B    ORA (p07,X)

\$826D: 00 00    a826D    BRK # \$00  
                  a8270    =\*+\$01

\$826F: 10 B0    a826F    BPL b8221

\$8271: 48        p8271    PHA

\$8272: 8A               TXA

\$8273: 48               PHA

\$8274: 98               TYA

\$8275: 48               PHA

\$8276: AD 19 D0        LDA \$D019    ;VIC Interrupt Request Register (IRR)

\$8279: 29 81               AND # \$81

\$827B: C9 81               CMP # \$81

\$827D: D0 03               BNE b8282

\$827F: 6C 14 03        JMP (a0314) ;IRQ

  

\$8282: 68        b8282    PLA

\$8283: A8               TAY

\$8284: 68	PLA
\$8285: AA	TAX
\$8286: 68	PLA
\$8287: 40	RTI
\$8288: 40	p8288 RTI
\$8289: 78	s8289 SEI
\$828A: A9 7F	LDA #\$7F
\$828C: 8D 0D DC	STA \$DC0D ;CIA1: CIA Interrupt Control Register
\$828F: 8D 0D DD	STA \$DD0D ;CIA2: CIA Interrupt Control Register
\$8292: AD 0D DD	LDA \$DD0D ;CIA2: CIA Interrupt Control Register
\$8295: AD 0D DC	LDA \$DC0D ;CIA1: CIA Interrupt Control Register
\$8298: A9 71	LDA #<p8271
\$829A: 8D FE FF	STA fffffe ;IRQ
\$829D: A9 82	LDA #>p8271
\$829F: 8D FF FF	STA ffffff ;IRQ
\$82A2: A9 88	LDA #<p8288
\$82A4: 8D FA FF	STA affffa ;NMI
\$82A7: A9 82	LDA #>p8288
\$82A9: 8D FB FF	STA fffffb ;NMI
\$82AC: A9 2F	LDA #<p352F
\$82AE: 85 00	STA a00
\$82B0: A9 35	LDA #>p352F
\$82B2: 85 01	STA a01

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$82B4: A9 01      LDA #$01
$82B6: 8D 19 D0   STA $D019 ;VIC Interrupt Request Register (IRR)
$82B9: 8D 1A D0   STA $D01A ;VIC Interrupt Mask Register (IMR)
$82BC: 20 37 85   JSR s8537
$82BF: 58         CLI
$82C0: 20 20 8D   JSR s8D20
$82C3: 60         RTS

$82C4: 78      s82C4 SEI
$82C5: A9 7F      LDA #$7F
$82C7: 8D 0D DC   STA $DC0D ;CIA1: CIA Interrupt Control Register
$82CA: 8D 0D DD   STA $DD0D ;CIA2: CIA Interrupt Control Register
$82CD: A2 08      LDX #$08
$82CF: 8E 0E DC   STX $DC0E ;CIA1: CIA Control Register A
$82D2: 8E 0E DD   STX $DD0E ;CIA2: CIA Control Register A
$82D5: 8E 0F DC   STX $DC0F ;CIA1: CIA Control Register B
$82D8: 8E 0F DD   STX $DD0F ;CIA2: CIA Control Register B
$82DB: CA        DEX
$82DC: 8E 0D DD   STX $DD0D ;CIA2: CIA Interrupt Control Register
$82DF: A9 25      LDA #$25
$82E1: 8D 04 DC   STA $DC04 ;CIA1: Timer A: Low-Byte
$82E4: A9 40      LDA #$40
$82E6: 8D 05 DC   STA $DC05 ;CIA1: Timer A: High-Byte
$82E9: A9 00      LDA #$00
$82EB: 8D 1A D0   STA $D01A ;VIC Interrupt Mask Register (IMR)

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\$82EE: 8D 11 91 STA a9111  
\$82F1: 8D 15 D0 STA \$D015 ;Sprite display Enable  
\$82F4: A9 80 LDA #\$80  
\$82F6: 8D 19 D0 STA \$D019 ;VIC Interrupt Request Register (IRR)  
\$82F9: A9 31 LDA #<pEA31  
\$82FB: 8D 14 03 STA a0314 ;IRQ  
\$82FE: A9 EA LDA #>pEA31  
\$8300: 8D 15 03 f8300 STA a0315 ;IRQ  
\$8303: A9 36 LDA #\$36  
\$8305: 85 01 STA a01  
\$8307: 58 CLI  
\$8308: 60 RTS  
  
\$8309: A0 00 s8309 LDY #\$00  
\$830B: 98 TYA  
\$830C: 99 00 D8 b830C STA fD800,Y  
\$830F: 99 00 D9 STA fD900,Y  
\$8312: 99 00 DA STA fDA00,Y  
\$8315: 99 00 DB STA fDB00,Y  
\$8318: 99 00 40 STA f4000,Y  
\$831B: 99 00 41 STA f4100,Y  
\$831E: 99 00 42 STA f4200,Y  
\$8321: 99 00 43 STA f4300,Y  
\$8324: 99 00 44 STA f4400,Y  
\$8327: 99 00 45 STA f4500,Y

\$832A: 99 00 46 STA f4600,Y

\$832D: 99 00 47 STA f4700,Y

\$8330: C8 INY

\$8331: D0 D9 BNE b830C

\$8333: 60 RTS

f8336 =\*+\$02

\$8334: 0F 1F 00 f8334 SLO f001F

f8338 =\*+\$01

\$8337: 10 0F BPL b8348

f833A =\*+\$01

\$8339: 1F 20 20 SLO a2020,X

\$833C: 20 20 90 JSR s9020

\$833F: 91 92 STA (p92),Y

\$8341: 93 94 AHX (p94),Y

\$8343: 95 96 STA f96,X

\$8345: 97 20 SAX f20,Y

b8348 =\*+\$01

\$8347: 20 20 20 JSR a2020

\$834A: 20 20 20 JSR a2020

\$834D: 20 56 41 JSR s4156

\$8350: 4C 4B 59 JMP j594B

\$8353: 52 JAM

\$8354: 49 45 EOR #45



\$8356: 20 20 20	JSR a2020
\$8359: 20 20 20	JSR a2020
\$835C: 20 20 20	JSR a2020
\$835F: 57 49	SRE f49,X
\$8361: 5A	NOP
\$8362: 41 52	EOR (p52,X)
\$8364: 44 20	NOP a20
\$8366: 20 20 20	JSR a2020
\$8369: 20 20 20	JSR a2020
\$836C: 20 20 20	JSR a2020
\$836F: 20 5B 5C	JSR s5C5B
\$8372: 5D 5E 20	EOR f205E,X
\$8375: 20 20 20	JSR a2020
f837A =*+\$02	
\$8378: 20 20 20	JSR a2020
\$837B: 3A	NOP
\$837C: 3B 3C 3D	RLA a3D3C,Y
\$837F: 3E 3F 20	ROL f203F,X
\$8382: 20 48 45	JSR s4548
\$8385: 41 4C	EOR (p4C,X)
\$8387: 54 48	NOP f48,X
f838A =*+\$01	
\$8389: 20 20 30	JSR s3020
\$838C: 30 30	BMI b83BE
\$838E: 30 30	BMI b83C0

\$8390: 30 20 BMI b83B2

\$8392: 20 20 32 JSR s3220

\$8395: 30 30 BMI b83C7

\$8397: 30 20 BMI b83B9

f839A =\*+\$01

\$8399: 20 20 20 JSR a2020

\$839C: 20 20 20 JSR a2020

\$839F: 20 20 20 JSR a2020

\$83A2: 20 20 20 JSR a2020

\$83A5: 20 20 20 JSR a2020

f83AA =\*+\$02

\$83A8: 20 20 00 JSR e0020

\$83AB: 41 42 EOR (p42,X)

\$83AD: 43 44 SRE (p44,X)

\$83AF: 45 46 EOR a46

b83B2 =\*+\$01

\$83B1: 47 48 SRE a48

\$83B3: 49 4A EOR #4A

\$83B5: 4B 4C ALR #4C

b83B9 =\*+\$02

\$83B7: 4D 00 00 EOR e0000

\$83BA: 00 4E f83BA BRK #4E

b83BE =\*+\$02

\$83BC: 4F 50 51 SRE a5150

\$83BF: 52 JAM

\$83C0: 53 54    b83C0   SRE (p54),Y

\$83C2: 55 56        EOR f56,X

\$83C4: 57 58        SRE f58,X

      b83C7   =\*+\$01

\$83C6: 59 5A 00     EOR f005A,Y

      f83CA   =\*+\$01

\$83C9: 00 00        BRK # \$00

\$83CB: 00 5B        BRK # \$5B

\$83CD: 00 00        BRK # \$00

\$83CF: 5C 5D 00     NOP f005D,X

\$83D2: 00 00        BRK # \$00

\$83D4: 00 5E        BRK # \$5E

\$83D6: 5F 00 00     SRE e0000,X

      f83DA   =\*+\$01

\$83D9: 00 00        BRK # \$00

\$83DB: 00 30        BRK # \$30

\$83DD: 32            JAM

\$83DE: 25 33        AND a33

\$83E0: 33 00        RLA (p00),Y

\$83E2: 00 26        BRK # \$26

\$83E4: 29 32        AND # \$32

\$83E6: 25 00        AND a00

\$83E8: 00 00        BRK # \$00

\$83EA: 40            RTI

\$83EB: 40	RTI
\$83EC: 41 42	EOR (p42,X)
\$83EE: 43 44	SRE (p44,X)
\$83F0: 45 46	EOR a46
\$83F2: 47 48	SRE a48
\$83F4: 49 4A	EOR #4A
\$83F6: 4B 4C	ALR #4C
\$83F8: 4D 40 40	EOR a4040
\$83FB: 40	RTI
\$83FC: 40	RTI
\$83FD: 40	RTI
\$83FE: 40	RTI
\$83FF: 40	RTI
\$8400: 4E 4F 50	p8400 LSR a504F
\$8403: 51 52	EOR (p52),Y
\$8405: 53 54	SRE (p54),Y
\$8407: 55 56	EOR f56,X
\$8409: 57 58	SRE f58,X
\$840B: 59 5A 40	EOR f405A,Y

\$840E: 40	RTI
\$840F: 40	RTI
\$8410: 40	RTI
\$8411: 40	RTI
\$8412: 40	RTI
\$8413: 40	RTI
\$8414: 5E 5F 40	LSR f405F,X
\$8417: 40	RTI
\$8418: 5C 5D 40	NOP f405D,X
\$841B: 40	RTI
\$841C: 40	RTI
\$841D: 40	RTI
\$841E: 5E 5F 40	LSR f405F,X
\$8421: 40	RTI

\$8422: 40	RTI
\$8423: 40	RTI
\$8424: 40	RTI
\$8425: 40	RTI
\$8426: 40	RTI
\$8427: 40	RTI
\$8428: 40	RTI
\$8429: 50 52	BVC b847D
\$842B: 45 53	EOR a53
\$842D: 53 40	SRE (p40),Y
\$842F: 40	RTI
\$8430: 46 49	LSR a49
\$8432: 52	JAM
\$8433: 45 40	EOR a40
\$8435: 40	RTI
\$8436: 40	RTI

\$8437: 40 RTI

\$8438: 40 RTI

\$8439: 40 RTI

\$843A: A9 01 s843A LDA #\$01

\$843C: 8D 0D 91 STA a910D

\$843F: AE 0D 91 b843F LDX a910D

\$8442: BD 42 B7 LDA fB742,X

\$8445: 1D 44 B7 ORA fB744,X

\$8448: D0 47 BNE b8491

\$844A: BD 1C 91 LDA f911C,X

\$844D: 0A ASL

\$844E: 0A ASL

\$844F: 0A ASL

\$8450: 0A ASL

\$8451: 18 CLC

\$8452: 69 3A ADC #\$3A

\$8454: 8D 6A 84 STA a846A

\$8457: A9 00 LDA #\$00

\$8459: 69 83 ADC #\$83

\$845B: 8D 6B 84 STA a846B

\$845E: BD 20 91 LDA a9120,X

\$8461: F0 2E        BEQ b8491  
\$8463: BD 34 83        LDA f8334,X  
\$8466: AA            TAX  
\$8467: A0 0F        LDY #0F  
      a846A    =\*+\$01  
      a846B    =\*+\$02  
\$8469: B9 3A 83    b8469    LDA f833A,Y  
\$846C: 38            SEC  
\$846D: E9 20        SBC #20  
\$846F: 9D 24 43        STA f4324,X  
\$8472: B9 7A 83        LDA f837A,Y  
\$8475: 38            SEC  
\$8476: E9 20        SBC #20  
\$8478: 9D 4C 43        STA f434C,X  
      b847D    =\*+\$02  
\$847B: B9 8A 83        LDA f838A,Y  
\$847E: 38            SEC  
      p8480    =\*+\$01  
\$847F: E9 20        SBC #20  
\$8481: 9D 74 43        STA f4374,X  
\$8484: B9 9A 83        LDA f839A,Y  
\$8487: 38            SEC  
\$8488: E9 20        SBC #20  
\$848A: 9D 9C 43        STA f439C,X  
\$848D: CA            DEX



\$848E: 88 DEY  
\$848F: 10 D8 BPL b8469  
\$8491: CE 0D 91 b8491 DEC a910D  
\$8494: 10 A9 BPL b843F  
\$8496: A9 A1 LDA #A1  
\$8498: 8D FA 43 STA a43FA  
\$849B: 8D FB 43 STA a43FB  
\$849E: 8D FC 43 STA a43FC  
\$84A1: 8D FD 43 STA a43FD  
\$84A4: 8D FE 43 STA a43FE  
\$84A7: 8D FF 43 STA a43FF  
\$84AA: 60 RTS  
  
\$84AB: A9 01 s84AB LDA #01  
\$84AD: 8D 0D 91 STA a910D  
\$84B0: AE 0D 91 b84B0 LDX a910D  
\$84B3: BD 20 91 LDA a9120,X  
\$84B6: D0 22 BNE b84DA  
\$84B8: BD 34 83 LDA f8334,X  
\$84BB: AA TAX  
\$84BC: A0 0F LDY #0F  
f84C0 =\*+02  
\$84BE: B9 AA 83 b84BE LDA f83AA,Y  
\$84C1: 9D 24 43 STA f4324,X  
\$84C4: B9 BA 83 LDA f83BA,Y

\$84C7: 9D 4C 43      STA f434C,X  
\$84CA: B9 CA 83      LDA f83CA,Y  
\$84CD: 9D 74 43      STA f4374,X  
\$84D0: B9 DA 83    p84D0   LDA f83DA,Y  
\$84D3: 9D 9C 43      STA f439C,X  
\$84D6: CA            DEX  
\$84D7: 88            DEY  
\$84D8: 10 E4        BPL b84BE  
\$84DA: CE 0D 91    b84DA   DEC a910D  
\$84DD: 10 D1        BPL b84B0  
\$84DF: 60            RTS  
  
\$84E0: A9 00    s84E0   LDA #\$00  
\$84E2: 8D 21 D0      STA \$D021   ;Background Color 0  
\$84E5: A9 0B        LDA #\$0B  
\$84E7: 8D 22 D0      STA \$D022   ;Background Color 1, Multi-Color Register 0  
\$84EA: A9 01        LDA #\$01  
\$84EC: 8D 23 D0      STA \$D023   ;Background Color 2, Multi-Color Register 1  
\$84EF: A0 13        LDY #\$13  
\$84F1: AD 20 91    b84F1   LDA a9120  
\$84F4: D0 12        BNE b8508  
\$84F6: AE 1C 91      LDX f911C  
\$84F9: BD 14 91      LDA f9114,X  
\$84FC: 99 20 DB      STA fDB20,Y  
\$84FF: 99 48 DB      STA fDB48,Y

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$8502: 99 70 DB      STA fDB70,Y
$8505: 99 98 DB f8505 STA fDB98,Y
$8508: AD 21 91 b8508 LDA a9121
$850B: D0 12      BNE b851F
$850D: AE 1D 91      LDX a911D
$8510: BD 14 91      LDA f9114,X
$8513: 99 34 DB      STA fDB34,Y
$8516: 99 5C DB      STA fDB5C,Y
$8519: 99 84 DB      STA fDB84,Y
$851C: 99 AC DB      STA fDBAC,Y
$851F: 88      b851F DEY
$8520: 10 CF      BPL b84F1
$8522: A9 01      LDA #01
$8524: 8D 26 D0      STA $D026 ;Sprite Multi-Color Register 1
$8527: A9 0A      LDA #0A
$8529: 8D 25 D0      STA $D025 ;Sprite Multi-Color Register 0
$852C: 60      RTS

$852D: 2E 58 82 f852D ROL a8258
          a8531 =*+$01
          f8532 =*+$02
$8530: AC 2A 54      LDY a542A
$8533: 7E A0 CB      ROR fCBA0,X
          s8537 =*+$01
$8536: 00 A9      a8536 BRK #A9
```

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$8538: 00 8D      BRK #$8D
$853A: 27 D0      RLA aD0
$853C: 8D 28 D0    STA $D028 ;Sprite 1 Color
                p8540 =*+$01
$853F: A9 A0      LDA #$A0
$8541: 8D F8 43    STA a43F8
$8544: 8D F9 43    STA a43F9
$8547: 8D F8 47    STA a47F8
$854A: 8D F9 47    STA a47F9
$854D: AD 11 91    LDA a9111
$8550: 8D 15 D0    STA $D015 ;Sprite display Enable
$8553: A9 03      LDA #$03
$8555: 8D 17 D0    STA $D017 ;Sprites Expand 2x Vertical (Y)
$8558: A9 1F      LDA #$1F
$855A: 8D 00 D0    STA $D000 ;Sprite 0 X Pos
$855D: A9 38      LDA #$38
$855F: 8D 02 D0    STA $D002 ;Sprite 1 X Pos
$8562: AD 10 D0    LDA $D010 ;Sprites 0-7 MSB of X coordinate
$8565: 09 02      ORA #$02
$8567: 8D 10 D0    STA $D010 ;Sprites 0-7 MSB of X coordinate
$856A: A9 00      LDA #$00
$856C: 8D 36 85    STA a8536
$856F: A9 03      LDA #$03
$8571: 8D 0D DC    STA $DC0D ;CIA1: CIA Interrupt Control Register
$8574: A9 01      LDA #$01

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\$8576: 8D 6D 82      STA a826D  
\$8579: A9 10      LDA #\$10  
\$857B: 20 E8 8B      JSR s8BE8  
         f8580 =\*+\$02  
\$857E: 20 B4 86      JSR s86B4  
\$8581: 60      RTS  
  
\$8582: AD 19 D0 f8582 LDA \$D019 ;VIC Interrupt Request Register (IRR)  
\$8585: 29 81      AND #\$81  
\$8587: C9 81      CMP #\$81  
\$8589: F0 03      BEQ b858E  
\$858B: 4C 82 82      JMP b8282  
  
\$858E: D8      b858E CLD  
\$858F: AD 55 86      LDA a8655  
\$8592: 49 01      EOR #\$01  
\$8594: 8D 55 86      STA a8655  
\$8597: D0 6B      BNE b8604  
\$8599: A9 81      LDA #\$81  
\$859B: 8D 19 D0      STA \$D019 ;VIC Interrupt Request Register (IRR)  
\$859E: EE 50 82      INC a8250  
\$85A1: EE 51 82      INC a8251  
\$85A4: AD EB C4      LDA aC4EB  
\$85A7: 0D EC C4      ORA aC4EC  
\$85AA: D0 07      BNE b85B3

\$85AC: AD 50 82 LDA a8250  
\$85AF: 29 3F AND #\$3F  
\$85B1: D0 03 BNE a85B6  
\$85B3: 20 12 BA b85B3 JSR sBA12  
\$85B6: 20 56 BA a85B6 JSR sBA56  
\$85B9: 20 56 86 JSR s8656  
\$85BC: AD 68 82 LDA a8268  
\$85BF: 0D 69 82 ORA a8269  
\$85C2: F0 13 BEQ b85D7  
\$85C4: A9 00 LDA #\$00  
\$85C6: 8D 68 82 STA a8268  
\$85C9: 8D 69 82 STA a8269  
\$85CC: A9 01 LDA #\$01  
\$85CE: 8D 6D 82 STA a826D  
\$85D1: AD 63 82 LDA a8263  
\$85D4: 8D 22 D0 STA \$D022 ;Background Color 1, Multi-Color Register 0  
\$85D7: EE 55 82 b85D7 INC a8255  
\$85DA: EE 56 82 INC a8256  
\$85DD: 20 E9 B8 JSR sB8E9  
\$85E0: 20 B4 86 JSR s86B4  
\$85E3: 20 BF 92 JSR s92BF  
\$85E6: 20 5C 91 JSR s915C  
\$85E9: 20 CC 91 JSR s91CC  
\$85EC: A9 01 LDA #\$01  
\$85EE: 8D 23 D0 STA \$D023 ;Background Color 2, Multi-Color Register 1

```

$85F1: A9 00      LDA #$00
$85F3: 8D 21 D0    STA $D021 ;Background Color 0
$85F6: AD 52 82    LDA a8252
$85F9: F0 03      BEQ b85FE
$85FB: 20 0B A1    JSR sA10B
$85FE: 20 B2 CD   b85FE JSR sCDB2
$8601: 4C 82 82    JMP b8282

$8604: A9 CF      b8604 LDA #$CF
$8606: CD 12 D0   b8606 CMP $D012 ;Raster Position
$8609: D0 FB      BNE b8606
$860B: A9 7F      LDA #$7F
$860D: 8D 11 D0    STA $D011 ;VIC Control Register 1
$8610: A9 00      LDA #$00
$8612: 8D 1C D0    STA $D01C ;Sprites Multi-Color Mode Select
$8615: 8D 15 D0    STA $D015 ;Sprite display Enable
$8618: A9 00      LDA #$00
$861A: 8D 29 D0    STA $D029 ;Sprite 2 Color
          f861E =*+$01
$861D: 8D 2A D0    STA $D02A ;Sprite 3 Color
          f8622 =*+$02
$8620: 8D 2B D0    STA $D02B ;Sprite 4 Color
$8623: 8D 2C D0    STA $D02C ;Sprite 5 Color
$8626: 8D 2D D0    STA $D02D ;Sprite 6 Color
$8629: 8D 2E D0    STA $D02E ;Sprite 7 Color

```

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$862C: A9 08      LDA #$08
$862E: 8D 18 D0   STA $D018 ;VIC Memory Control Register
          a8632 =*+$01
$8631: A9 D6      LDA #$D6
$8633: CD 12 D0   b8633 CMP $D012 ;Raster Position
$8636: D0 FB      BNE b8633
$8638: A2 07      LDX #$07
$863A: CA        b863A DEX
$863B: 10 FD      BPL b863A
$863D: EA        NOP
$863E: A9 1F      LDA #$1F
$8640: 8D 11 D0   f8640 STA $D011 ;VIC Control Register 1
$8643: A9 18      LDA #$18
$8645: 8D 16 D0   STA $D016 ;VIC Control Register 2
$8648: A9 F8      LDA #$F8
$864A: 8D 12 D0   STA $D012 ;Raster Position
$864D: A9 81      LDA #$81
$864F: 8D 19 D0   STA $D019 ;VIC Interrupt Request Register (IRR)
$8652: 4C 82 82   JMP b8282

          s8656 =*+$01
$8655: 00 20     a8655 BRK #$20
$8657: 85 8C     STA a8C
$8659: 20 74 92   JSR s9274
$865C: 20 47 A8   JSR sA847

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\$865F: 20 D9 92 JSR s92D9  
\$8662: 20 43 88 JSR s8843  
\$8665: 20 37 87 JSR s8737  
\$8668: 20 F2 86 p8668 JSR s86F2  
\$866B: 60 RTS  
  
\$866C: AD 19 D0 p866C LDA \$D019 ;VIC Interrupt Request Register (IRR)  
\$866F: 29 81 AND #\$81  
\$8671: C9 81 CMP #\$81  
\$8673: F0 03 BEQ b8678  
\$8675: 4C 82 82 JMP b8282  
  
\$8678: D8 b8678 CLD  
\$8679: AE 36 85 LDX a8536  
\$867C: BD 32 85 LDA f8532,X  
\$867F: 8D 12 D0 STA \$D012 ;Raster Position  
\$8682: BD 2D 85 LDA f852D,X  
\$8685: 8D 01 D0 STA \$D001 ;Sprite 0 Y Pos  
\$8688: 8D 03 D0 STA \$D003 ;Sprite 1 Y Pos  
\$868B: E8 INX  
\$868C: 8E 36 85 STX a8536  
\$868F: E0 04 CPX #\$04  
\$8691: F0 09 BEQ b869C  
\$8693: AA TAX  
\$8694: A9 81 LDA #\$81

\$8696: 8D 19 D0      STA \$D019 ;VIC Interrupt Request Register (IRR)

\$8699: 4C 82 82      JMP b8282

\$869C: 78      b869C SEI

\$869D: A9 00      LDA #\$00

\$869F: 8D 36 85      STA a8536

\$86A2: A9 82      LDA #<f8582

\$86A4: 8D 14 03      STA a0314 ;IRQ

\$86A7: A9 85      LDA #>f8582

\$86A9: 8D 15 03      STA a0315 ;IRQ

\$86AC: A9 81      LDA #\$81

\$86AE: 8D 19 D0      STA \$D019 ;VIC Interrupt Request Register (IRR)

\$86B1: 4C 82 82      JMP b8282

\$86B4: 78      s86B4 SEI

\$86B5: A9 6C      LDA #<p866C

\$86B7: 8D 14 03      STA a0314 ;IRQ

\$86BA: A9 86      LDA #>p866C

\$86BC: 8D 15 03      STA a0315 ;IRQ

\$86BF: AD 31 85      LDA a8531

\$86C2: 8D 12 D0      STA \$D012 ;Raster Position

\$86C5: AD 5B 82      LDA a825B

\$86C8: 0D 37 88      ORA a8837

\$86CB: 8D 11 D0      STA \$D011 ;VIC Control Register 1

\$86CE: A9 10      LDA #\$10

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$86D0: 0D 38 88      ORA a8838
$86D3: 8D 16 D0      STA $D016 ;VIC Control Register 2
$86D6: A9 01        LDA #$01
$86D8: 8D 19 D0      STA $D019 ;VIC Interrupt Request Register (IRR)
$86DB: 0D 1A D0      ORA $D01A ;VIC Interrupt Mask Register (IMR)
$86DE: 8D 1A D0      STA $D01A ;VIC Interrupt Mask Register (IMR)
$86E1: AD 59 82      LDA a8259
$86E4: 0D 5A 82      ORA a825A
$86E7: 8D 18 D0      STA $D018 ;VIC Memory Control Register
$86EA: 58           CLI
$86EB: 60           RTS

$86EC: 78           SEI
$86ED: 20 FD 81      JSR s81FD
$86F0: 58           CLI
$86F1: 60           RTS

$86F2: AD B2 8E      s86F2 LDA a8EB2
$86F5: 4D B3 8E      EOR a8EB3
$86F8: 49 0F        EOR #$0F
$86FA: 8D 66 82      STA a8266
$86FD: 29 03        AND #$03

      f8700 =*+$01
$86FF: D0 08        BNE b8709
$8701: AD 40 88      LDA a8840

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\$8704: 09 03       ORA #03  
\$8706: 8D 40 88     STA a8840  
\$8709: AD 66 82   b8709 LDA a8266  
\$870C: 29 0C       AND #0C  
\$870E: D0 08       BNE b8718  
\$8710: AD 40 88     LDA a8840  
          f8714 =\*+01  
\$8713: 09 0C   f8713 ORA #0C  
\$8715: 8D 40 88     STA a8840  
\$8718: AD 40 88   b8718 LDA a8840  
\$871B: 29 03       AND #03  
\$871D: D0 08       BNE b8727  
\$871F: AD 40 88     LDA a8840  
\$8722: 09 03       ORA #03  
\$8724: 8D 40 88     STA a8840  
\$8727: AD 40 88   b8727 LDA a8840  
\$872A: 29 0C       AND #0C  
\$872C: D0 08       BNE b8736  
\$872E: AD 40 88     LDA a8840  
\$8731: 09 0C       ORA #0C  
\$8733: 8D 40 88     STA a8840  
\$8736: 60       b8736 RTS  
  
\$8737: AD 40 88   s8737 LDA a8840  
\$873A: C9 0F       CMP #0F

\$873C: D0 1A      BNE b8758  
\$873E: CE 6C 82      DEC a826C  
\$8741: AD 6C 82      LDA a826C  
\$8744: 29 03      AND #\$03  
\$8746: D0 03      BNE b874B  
\$8748: EE 68 82      INC a8268  
\$874B: AD 6C 82    b874B    LDA a826C  
\$874E: D0 0D      BNE b875D  
\$8750: A9 08      LDA #\$08  
\$8752: 8D 6C 82      STA a826C  
\$8755: 4C 74 87      JMP j8774  
  
\$8758: AD 6B 82    b8758    LDA a826B  
\$875B: D0 01      BNE b875E  
\$875D: 60      b875D    RTS  
  
\$875E: AD 40 88    b875E    LDA a8840  
\$8761: C9 09      CMP #\$09  
\$8763: F0 04      BEQ b8769  
\$8765: C9 06      CMP #\$06  
\$8767: D0 0B      BNE j8774  
\$8769: AD 37 88    b8769    LDA a8837  
\$876C: 18      CLC  
\$876D: 69 01      ADC #\$01  
\$876F: 29 06      AND #\$06

\$8771: 8D 37 88      STA a8837  
\$8774: AD 4A B7    j8774   LDA aB74A  
\$8777: 8D 6A 82      STA a826A  
\$877A: A9 08          LDA #\$08  
\$877C: 8D 39 88      STA a8839  
\$877F: AD 3A 88      LDA a883A  
\$8782: 8D 3B 88      STA a883B  
\$8785: AD 3C 88      LDA a883C  
\$8788: 8D 3D 88      STA a883D  
                 a878D   =\*+\$02  
\$878B: 20 E0 87      JSR s87E0  
\$878E: AD 2A 88      LDA a882A  
\$8791: 29 1F          AND #\$1F  
\$8793: 8D B0 8E      STA a8EB0  
\$8796: C9 10          CMP #\$10  
\$8798: B0 02          BCS b879C  
\$879A: A9 0F          LDA #\$0F  
\$879C: 29 0F    b879C   AND #\$0F  
\$879E: 0D 4A B7      ORA aB74A  
\$87A1: 8D B2 8E      STA a8EB2  
\$87A4: AD 00 DC      LDA \$DC00   ;CIA1: Data Port Register A  
\$87A7: 29 1F          AND #\$1F  
\$87A9: 8D B1 8E      STA a8EB1  
\$87AC: C9 10          CMP #\$10  
\$87AE: B0 02          BCS b87B2

```

$87B0: A9 0F    f87B0 LDA #$0F
$87B2: 29 0F    b87B2 AND #$0F
$87B4: 0D 4B B7    ORA aB74B
$87B7: 8D B3 8E    STA a8EB3
$87BA: 20 75 AD    JSR sAD75
$87BD: A9 00    LDA #$00
$87BF: 8D 41 88    STA a8841
$87C2: 20 1E 93    JSR s931E
$87C5: 20 F9 93    JSR s93F9
$87C8: A9 0F    LDA #$0F
$87CA: 8D 40 88    STA a8840
        a87CF =*+$02
$87CD: 20 38 96    JSR s9638
$87D0: AD B3 8E    LDA a8EB3
$87D3: 2D B2 8E    AND a8EB2
$87D6: C9 0F    CMP #$0F
$87D8: F0 05    BEQ b87DF
$87DA: A9 00    LDA #$00
$87DC: 8D 6B 82    STA a826B
$87DF: 60    b87DF RTS

$87E0: A9 FF    s87E0 LDA #$FF
$87E2: 8D 02 DC    STA $DC02 ;CIA1: Data Direction Register A
$87E5: A9 00    LDA #$00
$87E7: 8D 03 DC    STA $DC03 ;CIA1: Data Direction Register B

```

\$87EA: A0 07 LDY #\$07  
\$87EC: B9 1A 88 b87EC LDA f881A,Y  
\$87EF: 8D 00 DC STA \$DC00 ;CIA1: Data Port Register A  
\$87F2: AD 01 DC LDA \$DC01 ;CIA1: Data Port Register B  
\$87F5: 99 2A 88 STA a882A,Y  
\$87F8: 88 DEY  
\$87F9: 10 F1 BPL b87EC  
\$87FB: 60 RTS  
  
\$87FC: AD 2A 88 LDA a882A  
\$87FF: 0D 2B 88 ORA a882B  
\$8802: 0D 2C 88 ORA a882C  
\$8805: 0D 2D 88 ORA a882D  
\$8808: 0D 2E 88 ORA a882E  
\$880B: 0D 2F 88 ORA a882F  
\$880E: 0D 30 88 ORA a8830  
\$8811: 0D 31 88 ORA a8831  
\$8814: 29 1F AND #\$1F  
\$8816: 8D B1 8E STA a8EB1  
\$8819: 60 RTS  
  
\$881A: 7F BF DF f881A RRA fDFBF,X  
\$881D: EF F7 FB ISC aFBF7  
\$8820: FD FE 01 SBC f01FE,X  
\$8823: 02 JAM



a8825 =\*+\$01

\$8824: 04 08 NOP a08

\$8826: 10 20 BPL b8848

\$8828: 40 RTI

a882A =\*+\$01

\$8829: 80 FF NOP #\$FF

a882C =\*+\$01

a882D =\*+\$02

\$882B: FF FF FF a882B ISC fffff,X ;IRQ

a882F =\*+\$01

a8830 =\*+\$02

\$882E: FF FF FF a882E ISC fffff,X ;IRQ

\$8831: FF 00 00 a8831 ISC e0000,X

\$8834: 00 00 BRK #\$00

a8837 =\*+\$01

\$8836: 00 04 BRK #\$04

a8839 =\*+\$01

\$8838: 04 08 a8838 NOP a08

a883B =\*+\$01

\$883A: 04 04 a883A NOP a04

a883D =\*+\$01

\$883C: 2C 2C 24 a883C BIT a242C

a8840 =\*+\$01

\$883F: 14 0F NOP f0f,X

s8842 =\*+\$01

\$8841: 00 0F a8841 BRK #0F

\$8843: AD 40 88 s8843 LDA a8840

b8848 =\*+\$02

\$8846: 0D 41 88 ORA a8841

\$8849: 48 PHA

\$884A: C9 0E CMP #0E

\$884C: D0 03 BNE b8851

\$884E: 20 52 89 JSR s8952

\$8851: 68 b8851 PLA

\$8852: 48 PHA

\$8853: C9 0D CMP #0D

\$8855: D0 03 BNE b885A

\$8857: 20 78 89 JSR s8978

\$885A: 68 b885A PLA

\$885B: 48 PHA

\$885C: C9 07 CMP #07

\$885E: D0 03 BNE b8863

s8861 =\*+\$01

\$8860: 20 BE 88 JSR s88BE

\$8863: 68 b8863 PLA

\$8864: 48 PHA

\$8865: C9 0B CMP #0B

f8868 =\*+\$01

\$8867: D0 03 BNE f886C

\$8869: 20 98 88 JSR s8898  
\$886C: 68 f886C PLA  
\$886D: 48 PHA  
\$886E: C9 09 CMP #\$09  
\$8870: D0 03 BNE b8875  
\$8872: 20 D3 89 JSR s89D3  
\$8875: 68 b8875 PLA  
\$8876: 48 PHA  
\$8877: C9 05 CMP #\$05  
\$8879: D0 03 BNE b887E  
\$887B: 20 E4 88 JSR s88E4  
\$887E: 68 b887E PLA  
\$887F: 48 PHA  
\$8880: C9 06 CMP #\$06  
a8883 =\*+\$01  
\$8882: D0 03 BNE b8887  
\$8884: 20 19 89 JSR s8919  
\$8887: 68 b8887 PLA  
\$8888: C9 0A CMP #\$0A  
\$888A: D0 03 BNE b888F  
\$888C: 20 9E 89 JSR s899E  
\$888F: AD 37 88 b888F LDA a8837  
\$8892: 29 07 AND #\$07  
\$8894: 8D 37 88 STA a8837  
\$8897: 60 RTS

\$8898: EE 38 88 s8898 INC a8838

\$889B: EE 38 88 INC a8838

\$889E: CE 6F 82 DEC a826F

\$88A1: CE 39 88 DEC a8839

\$88A4: D0 03 BNE s88A9

\$88A6: EE 6B 82 INC a826B

\$88A9: AD 38 88 s88A9 LDA a8838

\$88AC: 29 06 AND #\$06

\$88AE: 8D 38 88 STA a8838

\$88B1: C9 06 CMP #\$06

\$88B3: D0 08 BNE b88BD

\$88B5: A9 01 LDA #\$01

\$88B7: 8D 68 82 STA a8268

\$88BA: CE 3A 88 DEC a883A

\$88BD: 60 b88BD RTS

\$88BE: CE 38 88 s88BE DEC a8838

\$88C1: CE 38 88 DEC a8838

\$88C4: EE 6F 82 INC a826F

\$88C7: CE 39 88 DEC a8839

\$88CA: D0 03 BNE b88CF

\$88CC: EE 6B 82 INC a826B

\$88CF: AD 38 88 b88CF LDA a8838

\$88D2: 29 06 AND #\$06

\$88D4: 8D 38 88 STA a8838

\$88D7: C9 00 CMP #00

\$88D9: D0 08 BNE b88E3

\$88DB: A9 01 LDA #01

\$88DD: 8D 68 82 STA a8268

\$88E0: EE 3A 88 INC a883A

\$88E3: 60 b88E3 RTS

\$88E4: CE 38 88 s88E4 DEC a8838

\$88E7: CE 38 88 DEC a8838

\$88EA: EE 6F 82 INC a826F

\$88ED: EE 70 82 INC a8270

\$88F0: CE 37 88 DEC a8837

\$88F3: CE 37 88 DEC a8837

\$88F6: CE 39 88 DEC a8839

\$88F9: D0 03 BNE b88FE

a88FC =\*+01

a88FD =\*+02

\$88FB: EE 6B 82 INC a826B

\$88FE: AD 38 88 b88FE LDA a8838

\$8901: 29 06 AND #06

\$8903: 8D 38 88 STA a8838

\$8906: 8D 37 88 STA a8837

\$8909: C9 00 CMP #00

\$890B: D0 0B BNE b8918

\$890D: A9 01      LDA #\$01  
\$890F: 8D 68 82      STA a8268  
\$8912: EE 3A 88      INC a883A  
\$8915: EE 3C 88      INC a883C  
\$8918: 60      b8918    RTS  
  
\$8919: CE 38 88    s8919    DEC a8838  
\$891C: EE 37 88      INC a8837  
      f8921    =\*+\$02  
\$891F: CE 38 88      DEC a8838  
\$8922: EE 37 88      INC a8837  
\$8925: EE 6F 82      INC a826F  
\$8928: CE 70 82      DEC a8270  
\$892B: CE 39 88      DEC a8839  
\$892E: D0 03      BNE b8933  
\$8930: EE 6B 82      INC a826B  
\$8933: AD 38 88    b8933    LDA a8838  
\$8936: 29 06      AND #\$06  
\$8938: 8D 38 88      STA a8838  
\$893B: AA      TAX  
\$893C: BD 0C 8A      LDA f8A0C,X  
\$893F: 8D 37 88      STA a8837  
\$8942: E0 00      CPX #\$00  
\$8944: D0 0B      BNE b8951  
\$8946: A9 01      LDA #\$01

\$8948: 8D 68 82 STA a8268

\$894B: EE 3A 88 INC a883A

\$894E: CE 3C 88 DEC a883C

\$8951: 60 b8951 RTS

\$8952: EE 37 88 s8952 INC a8837

\$8955: EE 37 88 INC a8837

\$8958: CE 70 82 DEC a8270

\$895B: CE 39 88 DEC a8839

\$895E: D0 03 BNE b8963

\$8960: EE 6B 82 INC a826B

\$8963: AD 37 88 b8963 LDA a8837

\$8966: 29 06 AND #06

\$8968: 8D 37 88 STA a8837

\$896B: C9 06 CMP #06

\$896D: D0 08 BNE b8977

\$896F: A9 01 LDA #01

\$8971: 8D 68 82 STA a8268

\$8974: CE 3C 88 DEC a883C

\$8977: 60 b8977 RTS

\$8978: CE 37 88 s8978 DEC a8837

\$897B: CE 37 88 DEC a8837

\$897E: EE 70 82 INC a8270

\$8981: CE 39 88 DEC a8839

\$8984: D0 03        BNE b8989  
\$8986: EE 6B 82        INC a826B  
\$8989: AD 37 88    b8989   LDA a8837  
\$898C: 29 06        AND #\$06  
\$898E: 8D 37 88        STA a8837  
\$8991: C9 00        CMP #\$00  
\$8993: D0 08        BNE b899D  
\$8995: A9 01        LDA #\$01  
\$8997: 8D 68 82        STA a8268  
\$899A: EE 3C 88        INC a883C  
\$899D: 60        b899D   RTS

\$899E: EE 38 88    s899E   INC a8838  
\$89A1: EE 37 88        INC a8837  
\$89A4: EE 38 88        INC a8838  
\$89A7: EE 37 88        INC a8837  
\$89AA: CE 6F 82        DEC a826F  
\$89AD: CE 70 82        DEC a8270  
\$89B0: CE 39 88        DEC a8839  
\$89B3: D0 03        BNE b89B8  
\$89B5: EE 6B 82        INC a826B  
\$89B8: AD 38 88    b89B8   LDA a8838  
\$89BB: 29 06        AND #\$06  
\$89BD: 8D 38 88        STA a8838  
\$89C0: 8D 37 88        STA a8837



\$89C3: C9 06      CMP #06  
\$89C5: D0 0B      BNE b89D2  
\$89C7: A9 01      LDA #01  
\$89C9: 8D 68 82    STA a8268  
\$89CC: CE 3A 88    DEC a883A  
\$89CF: CE 3C 88    DEC a883C  
\$89D2: 60      b89D2 RTS

\$89D3: EE 38 88   s89D3 INC a8838  
\$89D6: CE 37 88    DEC a8837  
\$89D9: EE 38 88    INC a8838  
\$89DC: CE 37 88    DEC a8837  
\$89DF: CE 6F 82    DEC a826F  
\$89E2: EE 70 82    INC a8270  
\$89E5: CE 39 88    DEC a8839  
\$89E8: D0 03      BNE b89ED  
\$89EA: EE 6B 82    INC a826B  
\$89ED: AD 38 88   b89ED LDA a8838  
\$89F0: 29 06      AND #06  
\$89F2: 8D 38 88    STA a8838  
\$89F5: AA        TAX  
\$89F6: BD 0C 8A    LDA f8A0C,X  
\$89F9: 8D 37 88    STA a8837  
\$89FC: E0 06      CPX #06  
\$89FE: D0 0B      BNE b8A0B

\$8A00: A9 01 LDA #\$01

\$8A02: 8D 68 82 STA a8268

\$8A05: CE 3A 88 DEC a883A

\$8A08: EE 3C 88 INC a883C

\$8A0B: 60 b8A0B RTS

\$8A0C: 07 07 f8A0C SLO a07

\$8A0E: 05 05 ORA a05

\$8A10: 03 03 SLO (p03,X)

\$8A12: 01 01 ORA (p01,X)

\$8A14: AD 3A 88 s8A14 LDA a883A

\$8A17: 29 3F AND #\$3F

\$8A19: 8D 3A 88 STA a883A

\$8A1C: 8D 82 8A STA a8A82

\$8A1F: 8D 56 8B STA a8B56

\$8A22: 8D 07 8C STA a8C07

\$8A25: A5 FF LDA aFF

\$8A27: F0 03 BEQ b8A2C

\$8A29: 4C 00 8B JMP j8B00

\$8A2C: A9 00 b8A2C LDA #\$00

\$8A2E: 85 FB STA aFB

\$8A30: AD 3C 88 LDA a883C

\$8A33: 29 3F AND #\$3F

\$8A35: 4A LSR

\$8A36: 66 FB	ROR aFB
\$8A38: 4A	LSR
\$8A39: 66 FB	ROR aFB
\$8A3B: 69 20	ADC #\$20
\$8A3D: 8D 0B 8C	STA a8C0B
\$8A40: 69 10	ADC #\$10
\$8A42: 8D 86 8A	STA a8A86
\$8A45: A5 FB	LDA aFB
\$8A47: 8D 85 8A	STA a8A85
\$8A4A: 8D 0A 8C	STA a8C0A
\$8A4D: A5 FF	LDA aFF
\$8A4F: 49 04	EOR #\$04
\$8A51: 85 FF	STA aFF
\$8A53: A9 00	LDA #\$00
\$8A55: 8D 59 82	STA a8259
\$8A58: A2 13	LDX #\$13
\$8A5A: BC D4 8B	b8A5A LDY f8BD4,X
\$8A5D: B9 0A 8C	LDA a8C0A,Y
\$8A60: 18	CLC
\$8A61: 69 40	ADC #\$40
\$8A63: 99 10 8C	STA f8C10,Y
\$8A66: 99 8B 8A	STA f8A8B,Y
\$8A69: B9 0B 8C	LDA a8C0B,Y
\$8A6C: 90 06	BCC b8A74
\$8A6E: 69 00	ADC #\$00

\$8A70: 29 0F        AND #\$0F  
\$8A72: 69 20        ADC #\$20  
\$8A74: 99 11 8C    b8A74 STA f8C11,Y  
\$8A77: 69 10        ADC #\$10  
\$8A79: 99 8C 8A     STA f8A8C,Y  
\$8A7C: CA            DEX  
\$8A7D: D0 DB        BNE b8A5A  
\$8A7F: A2 20        LDX #\$20  
          a8A82 =\*+\$01  
\$8A81: BC 04 8E    b8A81 LDY f8E04,X  
          a8A85 =\*+\$01  
          a8A86 =\*+\$02  
\$8A84: B9 00 3B     LDA f3B00,Y  
\$8A87: 9D 03 40     STA f4003,X  
          f8A8B =\*+\$01  
          f8A8C =\*+\$02  
\$8A8A: B9 40 3B     LDA f3B40,Y  
\$8A8D: 9D 2B 40     STA f402B,X  
\$8A90: B9 80 3B     LDA f3B80,Y  
\$8A93: 9D 53 40     STA f4053,X  
\$8A96: B9 C0 3B     LDA f3BC0,Y  
\$8A99: 9D 7B 40     STA f407B,X  
\$8A9C: B9 00 3C     LDA f3C00,Y  
\$8A9F: 9D A3 40     STA f40A3,X  
\$8AA2: B9 40 3C     LDA f3C40,Y

\$8AA5: 9D CB 40	STA f40CB,X
\$8AA8: B9 80 3C	LDA f3C80,Y
\$8AAB: 9D F3 40	STA f40F3,X
\$8AAE: B9 C0 3C	LDA f3CC0,Y
\$8AB1: 9D 1B 41	STA f411B,X
\$8AB4: B9 00 3D	LDA f3D00,Y
\$8AB7: 9D 43 41	STA f4143,X
\$8ABA: B9 40 3D	LDA f3D40,Y
\$8ABD: 9D 6B 41	STA f416B,X
\$8AC0: B9 80 3D	LDA f3D80,Y
\$8AC3: 9D 93 41	STA f4193,X
\$8AC6: B9 C0 3D	LDA f3DC0,Y
\$8AC9: 9D BB 41	STA f41BB,X
\$8ACC: B9 00 3E	LDA f3E00,Y
\$8ACF: 9D E3 41	STA f41E3,X
\$8AD2: B9 40 3E	LDA f3E40,Y
\$8AD5: 9D 0B 42	STA f420B,X
\$8AD8: B9 80 3E	LDA f3E80,Y
\$8ADB: 9D 33 42	STA f4233,X
\$8ADE: B9 C0 3E	LDA f3EC0,Y
\$8AE1: 9D 5B 42	STA f425B,X
\$8AE4: B9 00 3F	LDA f3F00,Y
\$8AE7: 9D 83 42	STA f4283,X
\$8AEA: B9 40 3F	LDA f3F40,Y
\$8AED: 9D AB 42	STA f42AB,X

\$8AF0: B9 80 3F LDA f3F80,Y  
\$8AF3: 9D D3 42 STA f42D3,X  
\$8AF6: B9 C0 3F LDA f3FC0,Y  
\$8AF9: 9D FB 42 STA f42FB,X  
\$8AFC: CA DEX  
\$8AFD: 10 82 BPL b8A81  
\$8AFF: 60 RTS

\$8B00: A9 00 j8B00 LDA #\$00  
\$8B02: 85 FB STA aFB  
\$8B04: AD 3C 88 LDA a883C  
\$8B07: 29 3F a8B07 AND #\$3F  
\$8B09: 4A LSR  
\$8B0A: 66 FB ROR aFB  
\$8B0C: 4A LSR  
\$8B0D: 66 FB ROR aFB  
\$8B0F: 69 20 ADC #\$20  
\$8B11: 8D 0B 8C STA a8C0B  
\$8B14: 69 10 ADC #\$10  
\$8B16: 8D 5A 8B STA a8B5A  
\$8B19: A5 FB LDA aFB  
\$8B1B: 8D 59 8B STA a8B59  
\$8B1E: 8D 0A 8C STA a8C0A  
\$8B21: A5 FF LDA aFF  
\$8B23: 49 04 EOR #\$04

\$8B25: 85 FF        STA aFF  
\$8B27: A9 10        LDA #\$10  
\$8B29: 8D 59 82     STA a8259  
\$8B2C: A2 13        LDX #\$13  
\$8B2E: BC D4 8B    b8B2E LDY f8BD4,X  
\$8B31: B9 0A 8C     LDA a8C0A,Y  
\$8B34: 18           CLC  
\$8B35: 69 40        ADC #\$40  
\$8B37: 99 10 8C     STA f8C10,Y  
\$8B3A: 99 5F 8B     STA f8B5F,Y  
\$8B3D: B9 0B 8C     LDA a8C0B,Y  
\$8B40: 90 06        BCC b8B48  
\$8B42: 69 00        ADC #\$00  
\$8B44: 29 0F        AND #\$0F  
\$8B46: 69 20        ADC #\$20  
\$8B48: 99 11 8C    b8B48 STA f8C11,Y  
\$8B4B: 69 10        ADC #\$10  
\$8B4D: 99 60 8B     STA f8B60,Y  
\$8B50: CA           DEX  
\$8B51: D0 DB        BNE b8B2E  
\$8B53: A2 20        LDX #\$20  
                  a8B56 =\*+\$01  
\$8B55: BC 04 8E    b8B55 LDY f8E04,X  
                  a8B59 =\*+\$01  
                  a8B5A =\*+\$02

\$8B58: B9 00 3B LDA f3B00,Y  
\$8B5B: 9D 03 44 STA f4403,X  
f8B5F =\*+\$01  
f8B60 =\*+\$02  
\$8B5E: B9 40 3B LDA f3B40,Y  
\$8B61: 9D 2B 44 STA f442B,X  
\$8B64: B9 80 3B LDA f3B80,Y  
\$8B67: 9D 53 44 STA f4453,X  
\$8B6A: B9 C0 3B LDA f3BC0,Y  
\$8B6D: 9D 7B 44 STA f447B,X  
\$8B70: B9 00 3C LDA f3C00,Y  
\$8B73: 9D A3 44 STA f44A3,X  
\$8B76: B9 40 3C LDA f3C40,Y  
\$8B79: 9D CB 44 STA f44CB,X  
\$8B7C: B9 80 3C LDA f3C80,Y  
\$8B7F: 9D F3 44 STA f44F3,X  
\$8B82: B9 C0 3C LDA f3CC0,Y  
\$8B85: 9D 1B 45 STA f451B,X  
\$8B88: B9 00 3D LDA f3D00,Y  
\$8B8B: 9D 43 45 STA f4543,X  
\$8B8E: B9 40 3D LDA f3D40,Y  
\$8B91: 9D 6B 45 STA f456B,X  
\$8B94: B9 80 3D LDA f3D80,Y  
\$8B97: 9D 93 45 STA f4593,X  
\$8B9A: B9 C0 3D LDA f3DC0,Y



\$8B9D: 9D BB 45 STA f45BB,X

\$8BA0: B9 00 3E LDA f3E00,Y

\$8BA3: 9D E3 45 STA f45E3,X

\$8BA6: B9 40 3E LDA f3E40,Y

f8BAA =\*+\$01

\$8BA9: 9D 0B 46 STA f460B,X

\$8BAC: B9 80 3E LDA f3E80,Y

\$8BAF: 9D 33 46 STA f4633,X

\$8BB2: B9 C0 3E LDA f3EC0,Y

\$8BB5: 9D 5B 46 STA f465B,X

\$8BB8: B9 00 3F LDA f3F00,Y

\$8BBB: 9D 83 46 STA f4683,X

\$8BBE: B9 40 3F LDA f3F40,Y

\$8BC1: 9D AB 46 STA f46AB,X

\$8BC4: B9 80 3F LDA f3F80,Y

\$8BC7: 9D D3 46 STA f46D3,X

\$8BCA: B9 C0 3F LDA f3FC0,Y

\$8BCD: 9D FB 46 STA f46FB,X

\$8BD0: CA DEX

\$8BD1: 10 82 BPL b8B55

\$8BD3: 60 RTS

\$8BD4: 72 f8BD4 JAM

\$8BD5: 6C 66 60 JMP (f6066)

\$8BD8: 5A	NOP
\$8BD9: 54 4E	NOP f4E,X
\$8BDB: 48	PHA
\$8BDC: 42	JAM
\$8BDD: 3C 36 30	NOP f3036,X
\$8BE0: 2A	ROL
\$8BE1: 24 1E	BIT a1E
\$8BE3: 18	CLC
\$8BE4: 12	JAM
\$8BE5: 0C 06 00	NOP a0006
\$8BE8: 48	s8BE8 PHA
\$8BE9: AD 6D 82	b8BE9 LDA a826D
\$8BEC: F0 FB	BEQ b8BE9
\$8BEE: A9 00	LDA #\$00
\$8BF0: 8D 6D 82	STA a826D
\$8BF3: 68	PLA
\$8BF4: 2C 11 D0	b8BF4 BIT \$D011 ;VIC Control Register 1
\$8BF7: 30 FB	BMI b8BF4
\$8BF9: 2C 12 D0	b8BF9 BIT \$D012 ;Raster Position
\$8BFC: 30 FB	BMI b8BF9
\$8BFE: CD 12 D0	b8BFE CMP \$D012 ;Raster Position
\$8C01: D0 FB	BNE b8BFE
\$8C03: 60	RTS
\$8C04: A2 20	s8C04 LDX #\$20

a8C07 =\*+\$01  
\$8C06: BC 04 8E b8C06 LDY f8E04,X  
a8C0A =\*+\$01  
a8C0B =\*+\$02  
\$8C09: B9 00 2B LDA f2B00,Y  
\$8C0C: 9D 03 D8 a8C0C STA fD803,X  
f8C10 =\*+\$01  
f8C11 =\*+\$02  
\$8C0F: B9 40 2B LDA f2B40,Y  
\$8C12: 9D 2B D8 STA fD82B,X  
\$8C15: B9 80 2B s8C15 LDA f2B80,Y  
\$8C18: 9D 53 D8 STA fD853,X  
\$8C1B: B9 C0 2B LDA f2BC0,Y  
a8C20 =\*+\$02  
\$8C1E: 9D 7B D8 STA fD87B,X  
\$8C21: B9 00 2C LDA f2C00,Y  
\$8C24: 9D A3 D8 STA fD8A3,X  
\$8C27: B9 40 2C LDA f2C40,Y  
\$8C2A: 9D CB D8 STA fD8CB,X  
\$8C2D: B9 80 2C LDA f2C80,Y  
\$8C30: 9D F3 D8 STA fD8F3,X  
\$8C33: B9 C0 2C LDA f2CC0,Y  
\$8C36: 9D 1B D9 STA fD91B,X  
\$8C39: B9 00 2D LDA f2D00,Y  
\$8C3C: 9D 43 D9 STA fD943,X

\$8C3F: B9 40 2D	LDA f2D40,Y
\$8C42: 9D 6B D9	STA fD96B,X
\$8C45: B9 80 2D	LDA f2D80,Y
\$8C48: 9D 93 D9	STA fD993,X
\$8C4B: B9 C0 2D	LDA f2DC0,Y
\$8C4E: 9D BB D9	STA fD9BB,X
\$8C51: B9 00 2E	LDA s2E00,Y
\$8C54: 9D E3 D9	STA fD9E3,X
\$8C57: B9 40 2E	LDA f2E40,Y
\$8C5A: 9D 0B DA	STA fDA0B,X
\$8C5D: B9 80 2E	LDA f2E80,Y
\$8C60: 9D 33 DA	STA fDA33,X
\$8C63: B9 C0 2E	LDA f2EC0,Y
\$8C66: 9D 5B DA	STA fDA5B,X
\$8C69: B9 00 2F	LDA a2F00,Y
\$8C6C: 9D 83 DA	STA fDA83,X
f8C70 =*+\$01	
\$8C6F: B9 40 2F	LDA f2F40,Y
\$8C72: 9D AB DA	STA fDAAB,X
\$8C75: B9 80 2F	LDA f2F80,Y
\$8C78: 9D D3 DA	STA fDAD3,X
\$8C7B: B9 C0 2F	LDA f2FC0,Y
\$8C7E: 9D FB DA	STA fDAFB,X
\$8C81: CA	DEX
\$8C82: 10 82	BPL b8C06

\$8C84: 60            RTS

\$8C85: AD 5A 82       LDA a825A

\$8C88: C9 08         CMP #\$08

\$8C8A: B0 39         BCS b8CC5

\$8C8C: CE 5C 82       DEC a825C

\$8C8F: AD 5C 82       LDA a825C

\$8C92: 29 07         AND #\$07

\$8C94: D0 0F         BNE b8CA5

\$8C96: EE 5D 82       INC a825D

\$8C99: AD 5D 82       LDA a825D

\$8C9C: 29 03         AND #\$03

\$8C9E: AA            TAX

\$8C9F: BD 5E 82 f8C9F LDA f825E,X

\$8CA2: 8D 5A 82       STA a825A

\$8CA5: AD 50 82 b8CA5 LDA a8250

\$8CA8: 29 03         AND #\$03

\$8CAA: D0 19         BNE b8CC5

\$8CAC: A2 01         LDX #\$01

\$8CAE: BD B2 8E b8CAE LDA a8EB2,X

\$8CB1: 29 0F         AND #\$0F

\$8CB3: C9 0F         CMP #\$0F

\$8CB5: F0 0B         BEQ b8CC2

\$8CB7: FE 24 91       INC f9124,X

\$8CBA: BD 24 91       LDA f9124,X

\$8CBD: 29 03        AND #\$03

\$8CBF: 9D 24 91        STA f9124,X

\$8CC2: CA        b8CC2 DEX

\$8CC3: 10 E9        BPL b8CAE

\$8CC5: 60        b8CC5 RTS

\$8CC6: AD 01 DC    b8CC6 LDA \$DC01 ;CIA1: Data Port Register B

\$8CC9: 29 10        AND #\$10

\$8CCB: D0 F9        BNE b8CC6

\$8CCD: 60        RTS

\$8CCE: AD 01 0A    s8CCE LDA a0A01

\$8CD1: 29 38        AND #\$38

\$8CD3: 4A        LSR

\$8CD4: 4A        LSR

\$8CD5: A8        TAY

\$8CD6: B9 16 8D        LDA f8D16,Y

\$8CD9: 8D E5 8C        STA a8CE5

\$8CDC: B9 17 8D        LDA f8D17,Y

\$8CDF: 8D E6 8C        STA a8CE6

\$8CE2: A0 5F        LDY #\$5F

    a8CE5 =\*+\$01

    a8CE6 =\*+\$02

\$8CE4: B9 08 64    b8CE4 LDA f6408,Y

\$8CE7: 99 08 48        STA f4808,Y

\$8CEA: 99 08 50      STA f5008,Y  
\$8CED: 99 08 58      STA f5808,Y  
\$8CF0: 88            DEY  
\$8CF1: 10 F1        BPL b8CE4  
\$8CF3: AD 02 0A      LDA a0A02  
\$8CF6: 29 38        AND #38  
\$8CF8: 4A            LSR  
\$8CF9: 4A            LSR  
\$8CFA: 4A            LSR  
\$8CFB: A8            TAY  
\$8CFC: B9 10 8D      LDA f8D10,Y  
\$8CFF: A0 3F        LDY #3F  
\$8D01: 99 04 F6 b8D01 STA ff604,Y  
\$8D04: 88            DEY  
\$8D05: 10 FA        BPL b8D01  
\$8D07: A0 0B        LDY #0B  
\$8D09: 99 CC F6 b8D09 STA ff6CC,Y  
\$8D0C: 88            DEY  
\$8D0D: 10 FA        BPL b8D09  
\$8D0F: 60            RTS  
  
\$8D10: 0A      f8D10 ASL  
\$8D11: 0D 0E 0C      ORA a0C0E  
                 f8D16 =\*+\$02  
\$8D14: 0F 0B 68      SLO a680B

```

$8D17: 64 08    f8D17  NOP a08
$8D19: 64 08          NOP a08
$8D1B: 65 08          ADC a08
$8D1D: 64 08          NOP a08
          s8D20 =*+$01
$8D1F: 65 AD          ADC aAD
$8D21: 50 82          BVC b8CA5
$8D23: 8D 04 DC      STA $DC04 ;CIA1: Timer A: Low-Byte
$8D26: AD 50 82      LDA a8250
$8D29: 8D 05 DC      STA $DC05 ;CIA1: Timer A: High-Byte
$8D2C: A9 03          LDA #$03
$8D2E: 8D 0D DC      STA $DC0D ;CIA1: CIA Interrupt Control Register
$8D31: A9 01          LDA #$01
$8D33: 8D 0E DC      STA $DC0E ;CIA1: CIA Control Register A
$8D36: A9 41          LDA #$41
$8D38: 8D 0F DC      STA $DC0F ;CIA1: CIA Control Register B
$8D3B: 60            RTS

$8D3C: 00 00          BRK #$00
          a8D3F =*+$01
$8D3E: 00 00          BRK #$00
$8D40: 00 00          BRK #$00
$8D42: 00 00          BRK #$00
$8D44: 00 00          BRK #$00
$8D46: 00 00          BRK #$00

```



\$8D48: 00 00	BRK # \$00
\$8D4A: 00 00	BRK # \$00
\$8D4C: 00 00	BRK # \$00
\$8D4E: 00 00	BRK # \$00
\$8D50: 00 00	BRK # \$00
\$8D52: 00 00	BRK # \$00
\$8D54: 00 00	BRK # \$00
\$8D56: 00 00	BRK # \$00
\$8D58: 00 00	BRK # \$00
\$8D5A: 00 00	BRK # \$00
\$8D5C: 00 00	BRK # \$00
\$8D5E: 00 00	BRK # \$00
\$8D60: 00 00	BRK # \$00
\$8D62: 00 00	BRK # \$00
\$8D64: 00 00	BRK # \$00
\$8D66: 00 00	BRK # \$00
\$8D68: 00 00	BRK # \$00
\$8D6A: 00 00	BRK # \$00
\$8D6C: 00 00	BRK # \$00
\$8D6E: 00 00	BRK # \$00
\$8D70: 00 00	BRK # \$00
\$8D72: 00 00	BRK # \$00
\$8D74: 00 00	BRK # \$00
\$8D76: 00 00	BRK # \$00
\$8D78: 00 00	BRK # \$00

\$8D7A: 00 00	BRK # \$00
\$8D7C: 00 00	BRK # \$00
\$8D7E: 00 00	BRK # \$00
\$8D80: 00 00	BRK # \$00
\$8D82: 00 00	BRK # \$00
\$8D84: 00 00	BRK # \$00
\$8D86: 00 00	BRK # \$00
\$8D88: 00 00	BRK # \$00
\$8D8A: 00 00	BRK # \$00
\$8D8C: 00 00	BRK # \$00
\$8D8E: 00 00	BRK # \$00
\$8D90: 00 00	BRK # \$00
\$8D92: 00 00	BRK # \$00
\$8D94: 00 00	BRK # \$00
\$8D96: 00 00	BRK # \$00
\$8D98: 00 00	BRK # \$00
\$8D9A: 00 00	BRK # \$00
\$8D9C: 00 00	BRK # \$00
\$8D9E: 00 00	BRK # \$00
\$8DA0: 00 00	BRK # \$00
\$8DA2: 00 00	BRK # \$00
\$8DA4: 00 00	BRK # \$00
\$8DA6: 00 00	BRK # \$00
\$8DA8: 00 00	BRK # \$00
\$8DAA: 00 00	BRK # \$00

\$8DAC: 00 00	BRK # \$00
\$8DAE: 00 00	BRK # \$00
\$8DB0: 00 00	BRK # \$00
\$8DB2: 00 00	BRK # \$00
\$8DB4: 00 00	BRK # \$00
\$8DB6: 00 00	BRK # \$00
\$8DB8: 00 00	BRK # \$00
\$8DBA: 00 00	BRK # \$00
\$8DBC: 00 00	BRK # \$00
\$8DBE: 00 00	BRK # \$00
\$8DC0: 00 00	BRK # \$00
\$8DC2: 00 00	BRK # \$00
\$8DC4: 00 00	BRK # \$00
\$8DC6: 00 00	BRK # \$00
\$8DC8: 00 00	BRK # \$00
\$8DCA: 00 00	BRK # \$00
\$8DCC: 00 00	BRK # \$00
\$8DCE: 00 00	BRK # \$00
\$8DD0: 00 00	BRK # \$00
\$8DD2: 00 00	BRK # \$00
\$8DD4: 00 00	BRK # \$00
\$8DD6: 00 00	BRK # \$00
\$8DD8: 00 00	BRK # \$00
\$8DDA: 00 00	BRK # \$00
\$8DDC: 00 00	BRK # \$00

\$8DDE: 00 00 BRK # \$00  
\$8DE0: 00 00 BRK # \$00  
\$8DE2: 00 00 BRK # \$00  
\$8DE4: 00 00 BRK # \$00  
\$8DE6: 00 00 BRK # \$00  
\$8DE8: 00 00 BRK # \$00  
\$8DEA: 00 00 BRK # \$00  
\$8DEC: 00 00 BRK # \$00  
\$8DEE: 00 00 BRK # \$00  
\$8DF0: 00 00 BRK # \$00  
\$8DF2: 00 00 BRK # \$00  
\$8DF4: 00 00 BRK # \$00  
\$8DF6: 00 00 BRK # \$00  
\$8DF8: 00 00 BRK # \$00  
\$8DFA: 00 00 BRK # \$00  
\$8DFC: 00 00 BRK # \$00  
\$8DFE: 00 00 BRK # \$00

f8E01 =\*+\$01

\$8E00: 00 01 f8E00 BRK # \$01

\$8E02: 02 f8E02 JAM

f8E04 =\*+\$01

\$8E03: 03 04 SLO (p04,X)

\$8E05: 05 06 ORA a06

\$8E07: 07 08 SLO a08

\$8E09: 09 0A ORA # \$0A

\$8E0B: 0B 0C      ANC #0C  
\$8E0D: 0D 0E 0F      ORA a0F0E  
\$8E10: 10 11      BPL b8E23  
\$8E12: 12      JAM  
\$8E13: 13 14      SLO (p14),Y  
\$8E15: 15 16      a8E15 ORA f16,X  
                 a8E18 =\*+\$01  
\$8E17: 17 18      SLO f18,X  
                 a8E1A =\*+\$01  
\$8E19: 19 1A 1B      ORA f1B1A,Y  
\$8E1C: 1C 1D 1E      NOP f1E1D,X  
\$8E1F: 1F 20 21      SLO f2120,X  
\$8E22: 22      JAM  
\$8E23: 23 24      b8E23 RLA (p24,X)  
\$8E25: 25 26      AND a26  
                 a8E28 =\*+\$01  
\$8E27: 27 28      RLA a28  
\$8E29: 29 2A      AND #02A  
\$8E2B: 2B 2C      ANC #02C  
\$8E2D: 2D 2E 2F      AND a2F2E  
\$8E30: 30 31      BMI b8E63  
\$8E32: 32      JAM  
\$8E33: 33 34      RLA (p34),Y  
\$8E35: 35 36      AND f36,X  
\$8E37: 37 38      RLA f38,X

\$8E39: 39 3A 3B	AND f3B3A,Y
\$8E3C: 3C 3D 3E	NOP f3E3D,X
\$8E3F: 3F 00 01	RLA a0100,X
\$8E42: 02	JAM
\$8E43: 03 04	SLO (p04,X)
\$8E45: 05 06	ORA a06
\$8E47: 07 08	SLO a08
\$8E49: 09 0A	ORA #0A
\$8E4B: 0B 0C	ANC #0C
\$8E4D: 0D 0E 0F	ORA a0F0E
\$8E50: 10 11	BPL b8E63
\$8E52: 12	JAM
\$8E53: 13 14	SLO (p14),Y
\$8E55: 15 16	ORA f16,X
\$8E57: 17 18	SLO f18,X
\$8E59: 19 1A 1B	ORA f1B1A,Y
\$8E5C: 1C 1D 1E	NOP f1E1D,X
\$8E5F: 1F 20 21	SLO f2120,X
\$8E62: 22	JAM
\$8E63: 23 24	b8E63 RLA (p24,X)
\$8E65: 25 26	AND a26
\$8E67: 27 28	RLA a28
\$8E69: 29 2A	AND #2A
\$8E6B: 2B 2C	ANC #2C
\$8E6D: 2D 2E 2F	AND a2F2E

\$8E70: 00 20 f8E70 BRK # \$20

\$8E72: 40 RTI

\$8E73: 60 RTS

\$8E74: 80 A0 NOP # \$A0

\$8E76: C0 E0 CPY # \$E0

\$8E78: 00 20 BRK # \$20

\$8E7A: 40 RTI

\$8E7B: 60 RTS

\$8E7C: 80 A0 NOP # \$A0

\$8E7E: C0 E0 CPY # \$E0

\$8E80: 00 20 BRK # \$20

\$8E82: 40 RTI

\$8E83: 60 RTS

\$8E84: 80 A0 NOP # \$A0

\$8E86: C0 E0 CPY # \$E0

\$8E88: 00 20 BRK # \$20

\$8E8A: 40 RTI

\$8E8B: 60 RTS

```

$8E8C: 80 A0      NOP #$A0
$8E8E: CO E0      CPY #$E0
$8E90: 0C 0C 0C  f8E90  NOP a0C0C
$8E93: 0C 0C 0C      NOP a0C0C
$8E96: 0C 0C 0D      NOP a0D0C
$8E99: 0D 0D 0D      ORA a0D0D
$8E9C: 0D 0D 0D      ORA a0D0D
$8E9F: 0D 0E 0E      ORA a0E0E
$8EA2: 0E 0E 0E      ASL a0E0E
$8EA5: 0E 0E 0E      ASL a0E0E
$8EA8: 0F 0F 0F      SLO a0F0F
$8EAB: 0F 0F 0F      SLO a0F0F
      a8EB0 =*+$02
$8EAE: 0F 0F 1F  f8EAE  SLO a1F0F
      a8EB2 =*+$01
      a8EB3 =*+$02
$8EB1: 1F 0F 0F  a8EB1  SLO a0F0F,X
$8EB4: A9 00      s8EB4  LDA #$00
$8EB6: 8D 59 82      STA a8259
$8EB9: 8D 4A B7      STA aB74A
$8EBC: 8D 4B B7      STA aB74B
$8EBF: A9 02      LDA #$02
$8EC1: 8D 5A 82      STA a825A
$8EC4: AD 11 D0      LDA $D011 ;VIC Control Register 1

```



\$8EC7: 29 70	AND #\$70
\$8EC9: 09 07	ORA #\$07
\$8ECB: 8D 11 D0	STA \$D011 ;VIC Control Register 1
\$8ECE: A9 04	LDA #\$04
\$8ED0: 85 FF	STA aFF
\$8ED2: 20 14 8A	JSR s8A14
\$8ED5: 20 04 8C	JSR s8C04
\$8ED8: A9 FF	LDA #\$FF
\$8EDA: 8D 11 91	STA a9111
\$8EDD: 60	RTS
\$8EDE: AD 3E 90	s8EDE LDA a903E
\$8EE1: A8	TAY
\$8EE2: EE 3E 90	INC a903E
\$8EE5: AD 79 B3	LDA aB379
\$8EE8: 0A	ASL
\$8EE9: 0A	ASL
\$8EEA: 29 7F	AND #\$7F
\$8EEC: 99 51 90	STA f9051,Y
\$8EEF: AD 7A B3	LDA aB37A
\$8EF2: 0A	ASL
\$8EF3: 0A	ASL
\$8EF4: 29 7F	AND #\$7F
\$8EF6: 99 61 90	STA f9061,Y
\$8EF9: 60	RTS

\$8EFA: BD B0 8E s8EFA LDA a8EB0,X  
\$8EFD: 29 0F AND #\$0F  
\$8EFF: DD B0 8E CMP a8EB0,X  
\$8F02: F0 66 BEQ b8F6A  
\$8F04: A8 TAY  
\$8F05: B9 2E 91 LDA f912E,Y  
\$8F08: 4A LSR  
\$8F09: B0 5F BCS b8F6A  
\$8F0B: BD 04 91 LDA f9104,X  
\$8F0E: 29 F8 AND #\$F8  
\$8F10: 18 CLC  
\$8F11: 79 BC 97 ADC f97BC,Y  
\$8F14: 4A LSR  
\$8F15: 8D 3F 90 STA a903F  
\$8F18: BD 06 91 LDA f9106,X  
\$8F1B: 29 F8 AND #\$F8  
\$8F1D: 18 CLC  
\$8F1E: 79 CC 97 ADC f97CC,Y  
\$8F21: 4A LSR  
\$8F22: 8D 40 90 STA a9040  
\$8F25: A9 FF LDA #\$FF  
\$8F27: 8D 41 90 STA a9041  
\$8F2A: AC 3E 90 LDY a903E  
\$8F2D: C0 02 CPY #\$02

\$8F2F: 90 3C        BCC b8F6D  
\$8F31: AD 3F 90    b8F31   LDA a903F  
\$8F34: 38         SEC  
\$8F35: F9 51 90     SBC f9051,Y  
\$8F38: 20 8A C0     JSR sC08A  
\$8F3B: C9 80        CMP #80  
\$8F3D: 90 05        BCC b8F44  
\$8F3F: 49 FF        EOR #FF  
\$8F41: 18         CLC  
\$8F42: 69 01        ADC #01  
\$8F44: 8D 64 82    b8F44   STA a8264  
\$8F47: AD 40 90     LDA a9040  
\$8F4A: 38         SEC  
\$8F4B: F9 61 90     SBC f9061,Y  
\$8F4E: 20 8A C0     JSR sC08A  
\$8F51: C9 80        CMP #80  
\$8F53: 90 05        BCC b8F5A  
\$8F55: 49 FF        EOR #FF  
\$8F57: 18         CLC  
\$8F58: 69 01        ADC #01  
\$8F5A: 18        b8F5A   CLC  
\$8F5B: 6D 64 82     ADC a8264  
\$8F5E: 99 41 90     STA a9041,Y  
\$8F61: 88         DEY  
\$8F62: 10 CD        BPL b8F31

\$8F64: 20 70 8F JSR s8F70

\$8F67: 4C C9 8F JMP j8FC9

\$8F6A: A9 01 b8F6A LDA #\$01

\$8F6C: 60 RTS

\$8F6D: A9 02 b8F6D LDA #\$02

\$8F6F: 60 RTS

\$8F70: AE 0D 91 s8F70 LDX a910D

\$8F73: AC 3E 90 b8F73 LDY a903E

\$8F76: 88 DEY

\$8F77: 88 DEY

\$8F78: A9 00 LDA #\$00

\$8F7A: 8D 73 90 STA a9073

\$8F7D: B9 41 90 b8F7D LDA a9041,Y

\$8F80: D9 42 90 CMP f9042,Y

\$8F83: 90 3B BCC b8FC0

\$8F85: D0 0A BNE b8F91

\$8F87: BD 0E BA LDA fBA0E,X

\$8F8A: 29 01 AND #\$01

\$8F8C: F0 32 BEQ b8FC0

\$8F8E: 4C 96 8F a8F8E JMP j8F96

\$8F91: A9 01 b8F91 LDA #\$01

\$8F93: 8D 73 90 STA a9073  
\$8F96: B9 41 90 j8F96 LDA a9041,Y  
\$8F99: 48 PHA  
\$8F9A: B9 42 90 LDA f9042,Y  
\$8F9D: 99 41 90 STA a9041,Y  
\$8FA0: 68 PLA  
\$8FA1: 99 42 90 STA f9042,Y  
\$8FA4: B9 51 90 LDA f9051,Y  
\$8FA7: 48 PHA  
\$8FA8: B9 52 90 LDA f9052,Y  
\$8FAB: 99 51 90 STA f9051,Y  
\$8FAE: 68 PLA  
\$8FAF: 99 52 90 STA f9052,Y  
\$8FB2: B9 61 90 LDA f9061,Y  
\$8FB5: 48 PHA  
\$8FB6: B9 62 90 LDA f9062,Y  
\$8FB9: 99 61 90 STA f9061,Y  
\$8FBC: 68 PLA  
\$8FBD: 99 62 90 STA f9062,Y  
\$8FC0: 88 b8FC0 DEY  
\$8FC1: 10 BA BPL b8F7D  
\$8FC3: AD 73 90 LDA a9073  
\$8FC6: D0 AB BNE b8F73  
\$8FC8: 60 RTS

\$8FC9: A0 01 j8FC9 LDY #01  
\$8FCB: B9 41 90 b8FCB LDA a9041,Y  
\$8FCE: F0 21 BEQ b8FF1  
\$8FD0: AE 0D 91 LDX a910D  
\$8FD3: BD B0 8E LDA a8EB0,X  
\$8FD6: 29 0F AND #0F  
\$8FD8: AA TAX  
\$8FD9: BD 2E 91 LDA f912E,X  
\$8FDC: AA TAX  
\$8FDD: A9 07 LDA #07  
\$8FDF: 8D DF CA STA aCADF  
\$8FE2: 20 74 90 b8FE2 JSR s9074  
\$8FE5: F0 13 BEQ b8FFA  
\$8FE7: E8 INX  
\$8FE8: 8A TXA  
\$8FE9: 29 07 AND #07  
\$8FEB: AA TAX  
\$8FEC: CE DF CA DEC aCADF  
\$8FEF: 10 F1 BPL b8FE2  
\$8FF1: C8 b8FF1 INY  
\$8FF2: CC 3E 90 CPY a903E  
\$8FF5: 90 D4 BCC b8FCB  
\$8FF7: A9 03 LDA #03  
\$8FF9: 60 RTS

\$8FFA: BD 5B C6 b8FFA LDA fC65B,X

\$8FFD: AA TAX

\$8FFE: B9 51 90 LDA f9051,Y

\$9001: 0A ASL

\$9002: 18 CLC

\$9003: 7D BC 97 ADC f97BC,X

\$9006: 48 PHA

\$9007: B9 61 90 LDA f9061,Y

\$900A: 0A ASL

\$900B: 18 CLC

\$900C: 7D CC 97 ADC f97CC,X

\$900F: 48 PHA

\$9010: AE 0D 91 LDX a910D

\$9013: BD 04 91 LDA f9104,X

\$9016: 8D 08 91 STA a9108

\$9019: BD 06 91 LDA f9106,X

\$901C: 8D 09 91 STA a9109

s9020 =\*+\$01

\$901F: 20 F5 96 JSR s96F5

\$9022: 20 AB 97 JSR s97AB

\$9025: 68 PLA

\$9026: 9D 06 91 STA f9106,X

\$9029: 68 PLA

\$902A: 9D 04 91 STA f9104,X

\$902D: 8A TXA

\$902E: 0A ASL  
\$902F: AA TAX  
\$9030: A5 8E LDA a8E  
\$9032: 95 C0 STA fC0,X  
\$9034: A5 8F LDA a8F  
\$9036: 95 C1 STA fC1,X  
\$9038: A9 0B LDA #0B  
\$903A: 20 BA CE JSR sCEBA  
\$903D: 60 RTS

a903F =\*+\$01

\$903E: 00 00 a903E BRK #00

a9041 =\*+\$01

\$9040: 00 00 a9040 BRK #00

\$9042: 00 00 f9042 BRK #00

\$9044: 00 00 BRK #00

\$9046: 00 00 BRK #00

\$9048: 00 00 BRK #00

\$904A: 00 00 BRK #00

\$904C: 00 00 BRK #00

\$904E: 00 00 BRK #00

f9051 =\*+\$01

\$9050: 00 00 BRK #00

\$9052: 00 00 f9052 BRK #00

\$9054: 00 00 BRK #00



\$9056: 00 00 BRK # \$00

\$9058: 00 00 BRK # \$00

\$905A: 00 00 BRK # \$00

\$905C: 00 00 BRK # \$00

\$905E: 00 00 BRK # \$00

f9061 =\*+ \$01

\$9060: 00 00 BRK # \$00

\$9062: 00 00 f9062 BRK # \$00

\$9064: 00 00 BRK # \$00

\$9066: 00 00 BRK # \$00

\$9068: 00 00 BRK # \$00

\$906A: 00 00 BRK # \$00

\$906C: 00 00 BRK # \$00

\$906E: 00 00 BRK # \$00

f9071 =\*+ \$01

\$9070: 00 00 BRK # \$00

a9073 =\*+ \$01

\$9072: 00 00 BRK # \$00

\$9074: AD 3A 88 s9074 LDA a883A

\$9077: 0A ASL

\$9078: 8D 64 82 STA a8264

\$907B: B9 51 90 LDA f9051,Y

\$907E: 4A LSR

\$907F: 4A LSR

\$9080: 18 CLC

\$9081: 7D 68 B3	ADC fB368,X
\$9084: 29 1F	AND #\$1F
\$9086: 0A	ASL
\$9087: 0A	ASL
\$9088: 38	SEC
\$9089: ED 64 82	SBC a8264
\$908C: 20 8A C0	JSR sC08A
\$908F: 8D DC 97	STA a97DC
\$9092: C9 02	CMP #\$02
\$9094: 90 2A	BCC b90C0
\$9096: C9 40	CMP #\$40
\$9098: B0 26	BCS b90C0
\$909A: AD 3C 88	LDA a883C
\$909D: 0A	ASL
\$909E: 8D 64 82	STA a8264
\$90A1: B9 61 90	LDA f9061,Y
\$90A4: 4A	LSR
\$90A5: 4A	LSR
\$90A6: 18	CLC
\$90A7: 7D 70 B3	ADC fB370,X
\$90AA: 29 1F	AND #\$1F
\$90AC: 0A	ASL
\$90AD: 0A	ASL
\$90AE: 38	SEC
\$90AF: ED 64 82	SBC a8264

\$90B2: 20 8A C0 JSR sC08A  
\$90B5: 8D DD 97 STA a97DD  
\$90B8: C9 02 CMP #\$02  
\$90BA: 90 04 BCC b90C0  
\$90BC: C9 28 CMP #\$28  
\$90BE: 90 03 BCC b90C3  
\$90C0: A9 FF b90C0 LDA #\$FF  
\$90C2: 60 RTS  
  
\$90C3: 98 b90C3 TYA  
\$90C4: 48 PHA  
\$90C5: B9 51 90 LDA f9051,Y  
\$90C8: 4A LSR  
\$90C9: 4A LSR  
\$90CA: 18 CLC  
\$90CB: 7D 68 B3 ADC fB368,X  
\$90CE: 29 1F AND #\$1F  
\$90D0: 48 PHA  
\$90D1: B9 61 90 LDA f9061,Y  
\$90D4: 4A LSR  
\$90D5: 4A LSR  
\$90D6: 18 CLC  
\$90D7: 7D 70 B3 ADC fB370,X  
\$90DA: 29 1F AND #\$1F  
\$90DC: A8 TAY

\$90DD: 68 PLA  
\$90DE: 19 70 8E ORA f8E70,Y  
\$90E1: 85 8E STA a8E  
\$90E3: B9 90 8E LDA f8E90,Y  
\$90E6: 85 8F STA a8F  
\$90E8: A0 00 LDY #\$00  
\$90EA: B1 8E LDA (p8E),Y  
\$90EC: 8D 64 82 STA a8264  
\$90EF: 68 PLA  
\$90F0: A8 TAY  
\$90F1: AD 64 82 LDA a8264  
\$90F4: 60 RTS  
  
\$90F5: 00 00 BRK #\$00  
\$90F7: 00 00 BRK #\$00  
\$90F9: 00 00 BRK #\$00  
\$90FB: 00 00 BRK #\$00  
a90FE =\*+\$01  
\$90FD: 00 08 BRK #\$08  
f9100 =\*+\$01  
a9101 =\*+\$02  
\$90FF: 1C 38 F0 a90FF NOP fF038,X  
\$9102: 28 f9102 PLP  
f9104 =\*+\$01  
\$9103: B0 48 a9103 BCS b914D

f9106 =\*+\$01

\$9105: 00 D8 a9105 BRK #D8

\$9107: 60 a9107 RTS

\$9108: 48 a9108 PHA

\$9109: D8 a9109 CLD

\$910A: 00 00 BRK #00

a910D =\*+\$01

\$910C: FF FF 00 a910C ISC e00FF,X

a9110 =\*+\$01

\$910F: 03 1D a910F SLO (p1D,X)

f9112 =\*+\$01

\$9111: FF 00 00 a9111 ISC e0000,X

\$9114: 02 f9114 JAM

\$9115: 03 07 SLO (p07,X)

f9118 =\*+\$01

\$9117: 05 02 ORA a02

f911A =\*+\$01

\$9119: 03 07 SLO (p07,X)

f911C =\*+\$01

\$911B: 05 00 ORA a00

a911E =\*+\$01

\$911D: 01 00 a911D ORA (p00,X)

a9120 =\*+\$01

\$911F: 00 01 a911F BRK #01

f9122 =\*+\$01

\$9121: 00 00 a9121 BRK # \$00

f9124 =\*+\$01

\$9123: 01 02 a9123 ORA (p02,X)

f9126 =\*+\$01

\$9125: 00 04 BRK # \$04

f9128 =\*+\$01

\$9127: 04 00 a9127 NOP a00

\$9129: 08 PHP

\$912A: 00 10 BRK # \$10

a912D =\*+\$01

\$912C: C0 E0 a912C CPY # \$E0

\$912E: 00 00 f912E BRK # \$00

\$9130: 00 00 BRK # \$00

\$9132: 00 03 BRK # \$03

\$9134: 01 02 ORA (p02,X)

\$9136: 00 05 BRK # \$05

\$9138: 07 06 SLO a06

\$913A: 00 04 BRK # \$04

\$913C: 00 80 BRK # \$80

a913F =\*+\$01

\$913E: 00 00 a913E BRK # \$00

a9141 =\*+\$01

\$9140: 00 00 a9140 BRK # \$00

a9143 =\*+\$01

\$9142: A4 00 f9142 LDY a00  
a9145 =\*+\$01

\$9144: 00 00 a9144 BRK #\$00  
a9147 =\*+\$01

\$9146: 00 00 a9146 BRK #\$00  
a9149 =\*+\$01

\$9148: 83 00 f9148 SAX (p00,X)

\$914A: 00 00 f914A BRK #\$00  
b914D =\*+\$01

\$914C: 00 00 BRK #\$00

\$914E: 00 00 f914E BRK #\$00

\$9150: 04 08 f9150 NOP a08

\$9152: 10 20 BPL b9174

\$9154: 40 RTI

f9156 =\*+\$01

\$9155: 80 A2 NOP #\$A2  
a9158 =\*+\$01

\$9157: A2 DA a9157 LDX #\$DA

\$9159: 00 00 BRK #\$00  
s915C =\*+\$01

\$915B: 00 A9 BRK #\$A9

\$915D: 01 8D ORA (p8D,X)  
b9161 =\*+\$02

\$915F: 0C 91 AE NOP aAE91

\$9162: 0C 91 A0      NOP aA091  
\$9165: 00 BD      BRK #BD  
\$9167: 20 91 F0      JSR sF091  
\$916A: 50 30      BVC b919C  
\$916C: 03 BC      SLO (pBC,X)  
\$916E: 24 91      BIT a91  
\$9170: B9 28 91      LDA f9128,Y  
\$9173: 18      CLC  
\$9174: 7D 2C 91 b9174    ADC a912C,X  
\$9177: 8D 66 82      STA a8266  
\$917A: BD 4C B7      LDA fB74C,X  
\$917D: D0 03      BNE b9182  
\$917F: BD B0 8E      LDA a8EB0,X  
\$9182: 29 0F b9182    AND #F0F  
\$9184: A8      TAY  
\$9185: B9 2E 91      LDA f912E,Y  
\$9188: 30 03      BMI b918D  
\$918A: 9D 26 91      STA f9126,X  
\$918D: BD 26 91 b918D    LDA f9126,X  
\$9190: 18      CLC  
\$9191: 6D 66 82      ADC a8266  
\$9194: 9D FE 43      STA a43FE,X  
\$9197: 9D FE 47      STA f47FE,X  
b919C    =\*+F02  
\$919A: BD 02 91      LDA f9102,X



\$919D: 0A ASL  
\$919E: 18 CLC  
\$919F: 69 33 ADC #\$33  
\$91A1: 9D 48 91 STA f9148,X  
\$91A4: BD 00 91 LDA f9100,X  
\$91A7: 0A ASL  
\$91A8: 18 CLC  
\$91A9: 69 34 ADC #\$34  
\$91AB: 9D 42 91 STA f9142,X  
\$91AE: A9 00 LDA #\$00  
\$91B0: 69 00 ADC #\$00  
\$91B2: 9D 4E 91 STA f914E,X  
\$91B5: CE 0C 91 DEC a910C  
\$91B8: 10 A7 BPL b9161  
\$91BA: 60 RTS  
  
\$91BB: A9 00 LDA #\$00  
\$91BD: 9D 42 91 STA f9142,X  
\$91C0: 9D 48 91 STA f9148,X  
\$91C3: 9D 4E 91 STA f914E,X  
\$91C6: CE 0C 91 DEC a910C  
\$91C9: 10 96 BPL b9161  
\$91CB: 60 RTS  
  
\$91CC: AD 3E 91 s91CC LDA a913E

\$91CF: 8D 04 D0 STA \$D004 ;Sprite 2 X Pos  
\$91D2: AD 3F 91 LDA a913F  
\$91D5: 8D 06 D0 STA \$D006 ;Sprite 3 X Pos  
\$91D8: AD 40 91 LDA a9140  
\$91DB: 8D 08 D0 STA \$D008 ;Sprite 4 X Pos  
\$91DE: AD 41 91 LDA a9141  
\$91E1: 8D 0A D0 STA \$D00A ;Sprite 5 X Pos  
\$91E4: AD 42 91 LDA f9142  
\$91E7: 8D 0C D0 STA \$D00C ;Sprite 6 X Pos  
\$91EA: AD 43 91 LDA a9143  
\$91ED: 8D 0E D0 STA \$D00E ;Sprite 7 X Pos  
\$91F0: AD 44 91 LDA a9144  
\$91F3: 8D 05 D0 STA \$D005 ;Sprite 2 Y Pos  
\$91F6: AD 45 91 LDA a9145  
\$91F9: 8D 07 D0 STA \$D007 ;Sprite 3 Y Pos  
\$91FC: AD 46 91 LDA a9146  
\$91FF: 8D 09 D0 STA \$D009 ;Sprite 4 Y Pos  
\$9202: AD 47 91 LDA a9147  
\$9205: 8D 0B D0 STA \$D00B ;Sprite 5 Y Pos  
\$9208: AD 48 91 LDA f9148  
\$920B: 8D 0D D0 STA \$D00D ;Sprite 6 Y Pos  
\$920E: AD 49 91 LDA a9149  
\$9211: 8D 0F D0 STA \$D00F ;Sprite 7 Y Pos  
\$9214: A9 02 LDA #\$02  
\$9216: A2 05 LDX #\$05

\$9218: BC 4A 91 b9218 LDY f914A,X  
\$921B: F0 03 BEQ b9220  
\$921D: 1D 50 91 ORA f9150,X  
\$9220: CA b9220 DEX  
\$9221: 10 F5 BPL b9218  
\$9223: 8D 10 D0 STA \$D010 ;Sprites 0-7 MSB of X coordinate  
\$9226: A2 03 LDX #\$03  
\$9228: BD 56 91 b9228 LDA f9156,X  
\$922B: 9D FA 43 STA a43FA,X  
\$922E: 9D FA 47 STA f47FA,X  
\$9231: CA DEX  
\$9232: 10 F4 BPL b9228  
\$9234: AD 1D D0 LDA \$D01D ;Sprites Expand 2x Horizontal (X)  
\$9237: 29 03 AND #\$03  
\$9239: 8D 1D D0 STA \$D01D ;Sprites Expand 2x Horizontal (X)  
\$923C: AD 1C D0 LDA \$D01C ;Sprites Multi-Color Mode Select  
\$923F: 09 FC ORA #\$FC  
\$9241: 8D 1C D0 STA \$D01C ;Sprites Multi-Color Mode Select  
\$9244: AD 11 91 LDA a9111  
\$9247: 8D 15 D0 STA \$D015 ;Sprite display Enable  
\$924A: AE 1C 91 LDX f911C  
\$924D: BD 18 91 LDA f9118,X  
\$9250: 8D 2B D0 STA \$D02B ;Sprite 4 Color  
\$9253: 8D 2D D0 STA \$D02D ;Sprite 6 Color  
\$9256: AE 1D 91 LDX a911D

\$9259: BD 18 91 LDA f9118,X  
\$925C: 8D 2C D0 STA \$D02C ;Sprite 5 Color  
\$925F: 8D 2E D0 STA \$D02E ;Sprite 7 Color  
\$9262: AD 9B AB LDA aAB9B  
\$9265: 8D 29 D0 STA \$D029 ;Sprite 2 Color  
\$9268: AD 9C AB LDA aAB9C  
\$926B: 8D 2A D0 STA \$D02A ;Sprite 3 Color  
\$926E: A9 01 LDA #\$01  
\$9270: 8D 26 D0 STA \$D026 ;Sprite Multi-Color Register 1  
\$9273: 60 RTS

\$9274: A9 01 s9274 LDA #\$01  
\$9276: 8D 0C 91 STA a910C  
\$9279: AE 0C 91 b9279 LDX a910C  
\$927C: BD 20 91 LDA a9120,X  
\$927F: F0 34 BEQ b92B5  
\$9281: BD B2 8E LDA a8EB2,X  
\$9284: 29 04 AND #\$04  
\$9286: D0 06 BNE b928E  
\$9288: DE 04 91 DEC f9104,X  
\$928B: DE 00 91 DEC f9100,X  
\$928E: BD B2 8E b928E LDA a8EB2,X  
\$9291: 29 08 AND #\$08  
\$9293: D0 06 BNE b929B  
\$9295: FE 04 91 INC f9104,X

\$9298: FE 00 91      INC f9100,X  
\$929B: BD B2 8E    b929B LDA a8EB2,X  
\$929E: 29 01      AND #\$01  
\$92A0: D0 06      BNE b92A8  
\$92A2: DE 06 91      DEC f9106,X  
\$92A5: DE 02 91      DEC f9102,X  
\$92A8: BD B2 8E    b92A8 LDA a8EB2,X  
\$92AB: 29 02      AND #\$02  
\$92AD: D0 06      BNE b92B5  
\$92AF: FE 06 91      INC f9106,X  
\$92B2: FE 02 91      INC f9102,X  
\$92B5: CE 0C 91    b92B5 DEC a910C  
\$92B8: 10 BF      BPL b9279  
\$92BA: 60        RTS  
  
\$92BB: 02        JAM  
\$92BC: 01 00      ORA (p00,X)  
          s92BF =\*+\$01  
\$92BE: 03 A2      SLO (pA2,X)  
          b92C1 =\*+\$01  
\$92C0: 01 BD      ORA (pBD,X)  
\$92C2: 04 91      NOP a91  
\$92C4: 38        SEC  
\$92C5: ED 6F 82      SBC a826F  
\$92C8: 9D 00 91      STA f9100,X

\$92CB: BD 06 91 LDA f9106,X

\$92CE: 38 SEC

\$92CF: ED 70 82 SBC a8270

\$92D2: 9D 02 91 STA f9102,X

\$92D5: CA DEX

\$92D6: 10 E9 BPL b92C1

\$92D8: 60 RTS

\$92D9: AD 01 0A s92D9 LDA a0A01

\$92DC: 30 1C BMI b92FA

\$92DE: AD 3B 88 LDA a883B

\$92E1: D0 08 BNE b92EB

\$92E3: AD 40 88 LDA a8840

\$92E6: 09 04 ORA #\$04

\$92E8: 8D 40 88 STA a8840

\$92EB: AD 3B 88 b92EB LDA a883B

\$92EE: C9 20 CMP #\$20

\$92F0: D0 08 BNE b92FA

\$92F2: AD 40 88 LDA a8840

\$92F5: 09 08 ORA #\$08

\$92F7: 8D 40 88 STA a8840

\$92FA: AD 01 0A b92FA LDA a0A01

\$92FD: 29 40 AND #\$40

\$92FF: D0 1C BNE b931D

\$9301: AD 3D 88 LDA a883D

\$9304: D0 08      BNE b930E  
\$9306: AD 40 88      LDA a8840  
\$9309: 09 01      ORA #01  
\$930B: 8D 40 88      STA a8840  
\$930E: AD 3D 88    b930E    LDA a883D  
\$9311: C9 2E      CMP #02E  
\$9313: D0 08      BNE b931D  
\$9315: AD 40 88      LDA a8840  
\$9318: 09 02      ORA #02  
\$931A: 8D 40 88      STA a8840  
\$931D: 60      b931D    RTS

\$931E: A9 01      s931E    LDA #01  
\$9320: 8D 0C 91      STA a910C  
\$9323: AD 20 91      LDA a9120  
\$9326: 0D 21 91      ORA a9121  
\$9329: D0 03      BNE b932E  
\$932B: 4C F8 93      JMP j93F8

\$932E: AE 0C 91    b932E    LDX a910C  
\$9331: BC 22 91      LDY f9122,X  
\$9334: BD 00 91      LDA f9100,X  
\$9337: 38      SEC  
\$9338: F9 00 91      SBC f9100,Y  
\$933B: C9 78      CMP #078

\$933D: F0 17	BEQ b9356
\$933F: C9 88	CMP #88
\$9341: D0 23	BNE b9366
\$9343: BD B2 8E	LDA a8EB2,X
\$9346: 09 04	ORA #04
\$9348: 9D B2 8E	STA a8EB2,X
\$934B: B9 B2 8E	LDA a8EB2,Y
\$934E: 09 08	ORA #08
\$9350: 99 B2 8E	STA a8EB2,Y
\$9353: 4C 66 93	JMP b9366
\$9356: BD B2 8E	b9356 LDA a8EB2,X
\$9359: 09 08	ORA #08
\$935B: 9D B2 8E	STA a8EB2,X
\$935E: B9 B2 8E	LDA a8EB2,Y
\$9361: 09 04	ORA #04
\$9363: 99 B2 8E	STA a8EB2,Y
\$9366: BD 02 91	b9366 LDA f9102,X
\$9369: 38	SEC
\$936A: F9 02 91	SBC f9102,Y
\$936D: C9 48	CMP #48
\$936F: F0 17	BEQ b9388
\$9371: C9 B8	CMP #B8
\$9373: D0 23	BNE b9398
\$9375: BD B2 8E	LDA a8EB2,X



\$9378: 09 01	ORA #01
\$937A: 9D B2 8E	STA a8EB2,X
\$937D: B9 B2 8E	LDA a8EB2,Y
\$9380: 09 02	ORA #02
\$9382: 99 B2 8E	STA a8EB2,Y
\$9385: 4C 98 93	JMP b9398
\$9388: BD B2 8E	b9388 LDA a8EB2,X
\$938B: 09 02	ORA #02
\$938D: 9D B2 8E	STA a8EB2,X
\$9390: B9 B2 8E	LDA a8EB2,Y
\$9393: 09 01	ORA #01
\$9395: 99 B2 8E	STA a8EB2,Y
\$9398: BD 00 91	b9398 LDA f9100,X
\$939B: F0 17	BEQ b93B4
\$939D: C9 78	CMP #78
\$939F: D0 23	BNE b93C4
\$93A1: AD 40 88	LDA a8840
\$93A4: 09 08	ORA #08
\$93A6: 8D 40 88	STA a8840
\$93A9: BD B2 8E	LDA a8EB2,X
\$93AC: 09 08	ORA #08
\$93AE: 9D B2 8E	STA a8EB2,X
\$93B1: 4C C4 93	JMP b93C4

\$93B4: AD 40 88 b93B4 LDA a8840

\$93B7: 09 04 ORA #\$04

\$93B9: 8D 40 88 STA a8840

\$93BC: BD B2 8E LDA a8EB2,X

\$93BF: 09 04 ORA #\$04

\$93C1: 9D B2 8E STA a8EB2,X

\$93C4: BD 02 91 b93C4 LDA f9102,X

\$93C7: F0 17 BEQ b93E0

\$93C9: C9 48 CMP #\$48

\$93CB: D0 23 BNE b93F0

\$93CD: AD 40 88 LDA a8840

\$93D0: 09 02 ORA #\$02

\$93D2: 8D 40 88 STA a8840

\$93D5: BD B2 8E LDA a8EB2,X

\$93D8: 09 02 ORA #\$02

\$93DA: 9D B2 8E STA a8EB2,X

\$93DD: 4C F0 93 JMP b93F0

\$93E0: AD 40 88 b93E0 LDA a8840

\$93E3: 09 01 ORA #\$01

\$93E5: 8D 40 88 STA a8840

\$93E8: BD B2 8E LDA a8EB2,X

\$93EB: 09 01 ORA #\$01

\$93ED: 9D B2 8E STA a8EB2,X

\$93F0: CE 0C 91 b93F0 DEC a910C

\$93F3: 30 03 BMI j93F8

\$93F5: 4C 2E 93 JMP b932E

\$93F8: 60 j93F8 RTS

\$93F9: A9 01 s93F9 LDA #\$01

\$93FB: 8D 0C 91 STA a910C

\$93FE: AE 0C 91 b93FE LDX a910C

\$9401: A9 00 LDA #\$00

\$9403: 9D 71 90 STA f9071,X

\$9406: BD 20 91 LDA a9120,X

\$9409: 30 5E BMI b9469

\$940B: F0 5C BEQ b9469

\$940D: 8A TXA

\$940E: 48 PHA

\$940F: BD 04 91 LDA f9104,X

\$9412: 4A LSR

\$9413: 4A LSR

\$9414: 4A LSR

\$9415: 8D FE 90 STA a90FE

\$9418: BD 06 91 LDA f9106,X

\$941B: 4A LSR

\$941C: 4A LSR

\$941D: 4A LSR

\$941E: 8D FF 90 STA a90FF

\$9421: BD B2 8E f9421 LDA a8EB2,X  
\$9424: 8D 66 82 STA a8266  
\$9427: BD 42 B7 LDA fB742,X  
\$942A: 48 PHA  
\$942B: 18 CLC  
\$942C: 7D 44 B7 ADC fB744,X  
\$942F: DD 46 B7 CMP fB746,X  
\$9432: A2 13 LDX #13  
\$9434: A0 00 LDY #00  
\$9436: 90 01 BCC b9439  
\$9438: C8 INY  
\$9439: 68 b9439 PLA  
\$943A: F0 0A BEQ b9446  
\$943C: AD C6 B5 LDA aB5C6  
\$943F: 0D C8 B5 ORA aB5C8  
\$9442: D0 02 BNE b9446  
\$9444: A2 11 LDX #11  
\$9446: 8E 3F B7 b9446 STX aB73F  
\$9449: 8C 40 B7 STY aB740  
\$944C: 20 17 95 a944C JSR s9517  
\$944F: 20 6F 94 JSR s946F  
\$9452: 68 PLA  
\$9453: AA TAX  
\$9454: AD 67 82 LDA a8267  
\$9457: 1D B2 8E ORA a8EB2,X

\$945A: 9D B2 8E STA a8EB2,X

\$945D: 8D 66 82 STA a8266

\$9460: 20 50 B7 JSR sB750

\$9463: 20 0E 97 JSR s970E

\$9466: 20 A8 98 JSR s98A8

\$9469: CE 0C 91 b9469 DEC a910C

\$946C: 10 90 BPL b93FE

\$946E: 60 RTS

\$946F: A9 FF s946F LDA #\$FF

\$9471: 8D BA 94 STA a94BA

\$9474: A9 00 LDA #\$00

\$9476: 8D 67 82 STA a8267

\$9479: A2 0E LDX #\$0E

\$947B: A0 07 LDY #\$07

\$947D: B9 07 95 b947D LDA f9507,Y

\$9480: F0 2F BEQ b94B1

\$9482: CD 66 82 CMP a8266

\$9485: D0 2D BNE b94B4

\$9487: 8A TXA

\$9488: 48 PHA

\$9489: 98 TYA

\$948A: 48 PHA

\$948B: CA DEX

\$948C: CA DEX

\$948D: 8A TXA  
\$948E: 29 0E AND #0E  
\$9490: AA TAX  
\$9491: 4A LSR  
\$9492: A8 TAY  
\$9493: 20 BB 94 JSR s94BB  
\$9496: 8A TXA  
\$9497: 18 CLC  
\$9498: 69 04 ADC #04  
\$949A: 29 0E AND #0E  
\$949C: AA TAX  
\$949D: 4A LSR  
\$949E: A8 TAY  
\$949F: 20 BB 94 JSR s94BB  
\$94A2: 68 PLA  
\$94A3: A8 TAY  
\$94A4: 68 PLA  
\$94A5: AA TAX  
\$94A6: AD 66 82 LDA a8266  
\$94A9: OD 67 82 ORA a8267  
\$94AC: CD 66 82 CMP a8266  
\$94AF: D0 03 BNE b94B4  
\$94B1: 20 BB 94 b94B1 JSR s94BB  
\$94B4: CA b94B4 DEX  
\$94B5: CA DEX

\$94B6: 88 DEY  
\$94B7: 10 C4 BPL b947D  
\$94B9: 60 RTS

s94BB =\*+\$01

\$94BA: FF A1 B0 a94BA ISC fB0A1,X

\$94BD: 29 7F AND #\$7F

\$94BF: F0 3D BEQ b94FE

\$94C1: C9 30 CMP #\$30

\$94C3: F0 25 BEQ b94EA

\$94C5: C9 31 CMP #\$31

\$94C7: F0 35 BEQ b94FE

\$94C9: C9 36 CMP #\$36

\$94CB: F0 31 BEQ b94FE

\$94CD: C9 2F CMP #\$2F

\$94CF: F0 2D BEQ b94FE

\$94D1: CD 3F B7 CMP aB73F

\$94D4: 90 1F BCC b94F5

\$94D6: C9 1F CMP #\$1F

\$94D8: F0 16 BEQ b94F0

\$94DA: C9 16 CMP #\$16

\$94DC: F0 12 BEQ b94F0

\$94DE: C9 17 CMP #\$17

\$94E0: F0 0E BEQ b94F0

\$94E2: C9 2F CMP #\$2F

\$94E4: B0 0F        BCS b94F5  
\$94E6: C9 20        CMP #\$20  
\$94E8: 90 14        BCC b94FE  
\$94EA: 8E BA 94    b94EA STX a94BA  
\$94ED: 4C F5 94        JMP b94F5

\$94F0: AD 40 B7    b94F0 LDA aB740  
\$94F3: F0 09        BEQ b94FE  
\$94F5: AD 67 82    b94F5 LDA a8267  
\$94F8: 19 FF 94        ORA f94FF,Y  
\$94FB: 8D 67 82        STA a8267  
\$94FE: 60        b94FE RTS

\$94FF: 02        f94FF JAM  
\$9500: 02        f9500 JAM  
\$9501: 08        PHP  
\$9502: 08        PHP  
\$9503: 01 01        ORA (p01,X)  
\$9505: 04 04        NOP a04  
\$9507: 00 05    f9507 BRK #\$05  
\$9509: 00 06        BRK #\$06  
\$950B: 00 0A        BRK #\$0A  
\$950D: 00 09        BRK #\$09  
\$950F: 0D 05 07    f950F ORA a0705  
\$9512: 06 0E        ASL a0E



\$9514: 0A ASL  
\$9515: 0B 09 ANC #\$09  
\$9517: A2 00 s9517 LDX #\$00  
\$9519: EE FF 90 INC a90FF  
\$951C: 20 4A 95 JSR s954A  
\$951F: EE FE 90 INC a90FE  
\$9522: 20 4A 95 JSR s954A  
\$9525: CE FF 90 DEC a90FF  
\$9528: 20 4A 95 JSR s954A  
\$952B: CE FF 90 DEC a90FF  
\$952E: 20 4A 95 JSR s954A  
\$9531: CE FE 90 DEC a90FE  
\$9534: 20 4A 95 JSR s954A  
\$9537: CE FE 90 DEC a90FE  
\$953A: 20 4A 95 JSR s954A  
\$953D: EE FF 90 a953D INC a90FF  
\$9540: 20 4A 95 JSR s954A  
\$9543: EE FF 90 INC a90FF  
\$9546: 20 4A 95 JSR s954A  
\$9549: 60 RTS  
  
\$954A: AD FF 90 s954A LDA a90FF  
\$954D: 29 1F AND #\$1F  
\$954F: A8 TAY  
\$9550: AD FE 90 LDA a90FE

\$9553: 29 1F      AND #1F  
\$9555: 18        CLC  
\$9556: 79 70 8E    ADC f8E70,Y  
\$9559: 95 B0       STA fB0,X  
\$955B: B9 90 8E f955B LDA f8E90,Y  
\$955E: 95 B1       STA fB1,X  
\$9560: E8        INX  
\$9561: E8        INX  
\$9562: 60        RTS  
  
\$9563: AD 3A 88     LDA a883A  
\$9566: 0A        ASL  
\$9567: 0A        ASL  
\$9568: 0A        ASL  
\$9569: 18        CLC  
\$956A: 69 80       ADC #80  
\$956C: 8D 04 91    STA f9104  
\$956F: 18        CLC  
\$9570: 69 10       ADC #10  
\$9572: 8D 05 91    STA a9105  
\$9575: AD 3C 88     LDA a883C  
\$9578: 0A        ASL  
\$9579: 0A        ASL  
\$957A: 0A        ASL  
\$957B: 18      f957B CLC

\$957C: 69 38        ADC #\$38  
\$957E: 8D 06 91    f957E STA f9106  
\$9581: 8D 07 91        STA a9107  
\$9584: 60            RTS  
  
\$9585: AD 0F 91    s9585 LDA a910F  
\$9588: 38            SEC  
\$9589: E9 08        SBC #\$08  
\$958B: B0 07        BCS b9594  
\$958D: 2C 01 0A        BIT a0A01  
\$9590: 30 02        BMI b9594  
\$9592: A9 00        LDA #\$00  
\$9594: C9 11    b9594 CMP #\$11  
\$9596: 90 07        BCC b959F  
\$9598: 2C 01 0A        BIT a0A01  
\$959B: 30 02        BMI b959F  
\$959D: A9 10        LDA #\$10  
\$959F: 0A    b959F ASL  
\$95A0: 8D 3A 88        STA a883A  
\$95A3: 8D 3B 88        STA a883B  
\$95A6: 0A            ASL  
\$95A7: 0A            ASL  
\$95A8: 8D 6F 82        STA a826F  
\$95AB: AD 10 91        LDA a9110  
\$95AE: 38            SEC

\$95AF: E9 05        SBC #\$05  
\$95B1: B0 07        BCS b95BA  
\$95B3: 2C 01 0A     BIT a0A01  
\$95B6: 70 02        BVS b95BA  
\$95B8: A9 00        LDA #\$00  
\$95BA: C9 18    b95BA    CMP #\$18  
\$95BC: 90 07        BCC b95C5  
\$95BE: 2C 01 0A     BIT a0A01  
\$95C1: 70 02        BVS b95C5  
\$95C3: A9 17        LDA #\$17  
\$95C5: 0A     b95C5    ASL  
\$95C6: 8D 3C 88     STA a883C  
\$95C9: 8D 3D 88     STA a883D  
\$95CC: 0A        ASL  
\$95CD: 0A        ASL  
\$95CE: 8D 70 82     STA a8270  
\$95D1: A2 01        LDX #\$01  
\$95D3: BD 20 91    b95D3    LDA a9120,X  
\$95D6: F0 2C        BEQ b9604  
\$95D8: E0 00        CPX #\$00  
\$95DA: D0 08        BNE b95E4  
      s95DE    =\*+\$02  
\$95DC: AD 21 91     LDA a9121  
\$95DF: F0 03        BEQ b95E4  
\$95E1: 4C 56 A6     JMP ja656

\$95E4: AD 0F 91 b95E4 LDA a910F  
\$95E7: 0A ASL  
\$95E8: 0A ASL  
\$95E9: 0A ASL  
\$95EA: 9D 04 91 STA f9104,X  
\$95ED: 38 SEC  
\$95EE: ED 6F 82 SBC a826F  
\$95F1: 9D 00 91 STA f9100,X  
\$95F4: AD 10 91 LDA a9110  
\$95F7: 0A ASL  
\$95F8: 0A ASL  
\$95F9: 0A ASL  
\$95FA: 9D 06 91 STA f9106,X  
\$95FD: 38 SEC  
\$95FE: ED 70 82 SBC a8270  
\$9601: 9D 02 91 STA f9102,X  
\$9604: CA b9604 DEX  
\$9605: 10 CC BPL b95D3  
\$9607: A9 00 LDA #\$00  
\$9609: 8D 22 91 STA f9122  
\$960C: 8D EB C4 STA aC4EB  
\$960F: 8D EC C4 STA aC4EC  
\$9612: A9 01 LDA #\$01  
\$9614: 8D 23 91 STA a9123

\$9617: AD 20 91 LDA a9120

\$961A: 4A LSR

\$961B: AD 21 91 LDA a9121

\$961E: 2A ROL

\$961F: 29 03 AND #\$03

\$9621: C9 03 CMP #\$03

f9624 =\*+\$01

\$9623: D0 0A BNE b962F

\$9625: A9 01 LDA #<p01

\$9627: 8D 22 91 STA f9122

\$962A: A9 00 LDA #>p01

\$962C: 8D 23 91 STA a9123

\$962F: A9 04 b962F LDA #\$04

\$9631: 8D 26 91 STA f9126

\$9634: 8D 27 91 STA a9127

\$9637: 60 RTS

\$9638: A9 01 s9638 LDA #\$01

\$963A: 8D 0C 91 STA a910C

\$963D: AE 0C 91 b963D LDX a910C

\$9640: BD 20 91 LDA a9120,X

\$9643: 30 2A BMI b966F

\$9645: F0 28 BEQ b966F

\$9647: BC 22 91 LDY f9122,X

\$964A: BD B2 8E LDA a8EB2,X

\$964D: 48 PHA  
\$964E: 29 04 AND #04  
\$9650: D0 03 BNE b9655  
\$9652: 20 75 96 JSR s9675  
\$9655: 68 b9655 PLA  
\$9656: 48 PHA  
\$9657: 29 08 AND #08  
\$9659: D0 03 BNE b965E  
\$965B: 20 95 96 JSR s9695  
\$965E: 68 b965E PLA  
\$965F: 48 PHA  
\$9660: 29 01 AND #01  
\$9662: D0 03 BNE b9667  
\$9664: 20 B5 96 JSR s96B5  
\$9667: 68 b9667 PLA  
\$9668: 29 02 AND #02  
\$966A: D0 03 BNE b966F  
\$966C: 20 D5 96 JSR s96D5  
\$966F: CE 0C 91 b966F DEC a910C  
\$9672: 10 C9 BPL b963D  
\$9674: 60 RTS  
  
\$9675: BD 00 91 s9675 LDA f9100,X  
\$9678: C9 41 CMP #041  
\$967A: B0 0F BCS b968B

f967E =\*+\$02

\$967C: B9 00 91 LDA f9100,Y

\$967F: C9 71 CMP #\$71

\$9681: B0 09 BCS b968C

\$9683: AD 40 88 LDA a8840

\$9686: 29 0B AND #\$0B

a968A =\*+\$02

\$9688: 8D 40 88 STA a8840

\$968B: 60 b968B RTS

\$968C: AD 40 88 b968C LDA a8840

\$968F: 09 04 ORA #\$04

\$9691: 8D 40 88 STA a8840

\$9694: 60 RTS

\$9695: BD 00 91 s9695 LDA f9100,X

\$9698: C9 38 CMP #\$38

\$969A: 90 0F BCC b96AB

\$969C: B9 00 91 LDA f9100,Y

\$969F: C9 09 CMP #\$09

\$96A1: 90 09 BCC b96AC

\$96A3: AD 40 88 LDA a8840

\$96A6: 29 07 AND #\$07

\$96A8: 8D 40 88 STA a8840

\$96AB: 60 b96AB RTS



\$96AC: AD 40 88 b96AC LDA a8840

\$96AF: 09 08 ORA #\$08

\$96B1: 8D 40 88 STA a8840

\$96B4: 60 RTS

\$96B5: BD 02 91 s96B5 LDA f9102,X

\$96B8: C9 29 CMP #\$29

\$96BA: B0 0F BCS b96CB

\$96BC: B9 02 91 LDA f9102,Y

\$96BF: C9 39 CMP #\$39

\$96C1: B0 09 BCS b96CC

\$96C3: AD 40 88 LDA a8840

\$96C6: 29 0E AND #\$0E

\$96C8: 8D 40 88 STA a8840

\$96CB: 60 b96CB RTS

\$96CC: AD 40 88 b96CC LDA a8840

\$96CF: 09 01 ORA #\$01

\$96D1: 8D 40 88 STA a8840

\$96D4: 60 RTS

\$96D5: BD 02 91 s96D5 LDA f9102,X

\$96D8: C9 20 CMP #\$20

\$96DA: 90 0F BCC b96EB

\$96DC: B9 02 91 LDA f9102,Y

\$96DF: C9 08 CMP #\$08

\$96E1: 90 09 BCC b96EC

\$96E3: AD 40 88 LDA a8840

\$96E6: 29 0D AND #\$0D

\$96E8: 8D 40 88 STA a8840

\$96EB: 60 b96EB RTS

\$96EC: AD 40 88 b96EC LDA a8840

\$96EF: 09 02 ORA #\$02

\$96F1: 8D 40 88 STA a8840

\$96F4: 60 RTS

\$96F5: AD 08 91 s96F5 LDA a9108

\$96F8: 29 FC AND #\$FC

\$96FA: 85 94 STA a94

\$96FC: AD 09 91 LDA a9109

\$96FF: 29 FC AND #\$FC

\$9701: 4A LSR

\$9702: 4A LSR

\$9703: 4A LSR

\$9704: 66 94 ROR a94

\$9706: 4A LSR

\$9707: 66 94 ROR a94

\$9709: 09 30 ORA #\$30

\$970B: 85 95      STA a95  
\$970D: 60        RTS  
  
\$970E: AE 0C 91   s970E LDX a910C  
\$9711: BD B2 8E    LDA a8EB2,X  
\$9714: C9 0F      CMP #0F  
\$9716: F0 4B      BEQ b9763  
\$9718: A8        TAY  
\$9719: BD 04 91    LDA f9104,X  
\$971C: 18        CLC  
\$971D: 79 BC 97    ADC f97BC,Y  
\$9720: 8D 08 91    STA a9108  
\$9723: BD 06 91    LDA f9106,X  
\$9726: 18        CLC  
\$9727: 79 CC 97    ADC f97CC,Y  
\$972A: 8D 09 91    STA a9109  
\$972D: 20 F5 96    JSR s96F5  
\$9730: 20 83 97    JSR s9783  
\$9733: 90 25      BCC b975A  
\$9735: BD 12 91    LDA f9112,X  
\$9738: C9 36      CMP #36  
\$973A: F0 03      BEQ b973F  
\$973C: 20 9A 97    JSR s979A  
\$973F: AE 0C 91   b973F LDX a910C  
\$9742: BD 04 91    LDA f9104,X

\$9745: 8D 08 91 STA a9108  
\$9748: BD 06 91 LDA f9106,X  
\$974B: 8D 09 91 STA a9109  
\$974E: 20 F5 96 JSR s96F5  
\$9751: 20 AB 97 JSR s97AB  
\$9754: A9 00 LDA #\$00  
\$9756: 9D 12 91 STA f9112,X  
\$9759: 60 RTS  
  
\$975A: AE 0C 91 b975A LDX a910C  
\$975D: A9 0F LDA #\$0F  
\$975F: 9D B2 8E STA a8EB2,X  
\$9762: 60 RTS  
  
\$9763: AD 54 82 b9763 LDA a8254  
\$9766: F0 F2 BEQ b975A  
\$9768: AE 0C 91 LDX a910C  
\$976B: BD 04 91 LDA f9104,X  
\$976E: 8D 08 91 STA a9108  
\$9771: BD 06 91 LDA f9106,X  
\$9774: 8D 09 91 STA a9109  
\$9777: 20 F5 96 f9777 JSR s96F5  
\$977A: 20 9A 97 JSR s979A  
\$977D: A9 00 LDA #\$00  
\$977F: 9D 12 91 STA f9112,X

\$9782: 60	RTS
\$9783: A9 5A	s9783 LDA #\$5A
\$9785: A0 00	LDY #\$00
\$9787: D1 94	CMP (p94),Y
\$9789: 90 0E	BCC b9799
\$978B: C8	INY
\$978C: D1 94	CMP (p94),Y
\$978E: 90 09	BCC b9799
\$9790: A0 40	LDY #\$40
\$9792: D1 94	CMP (p94),Y
\$9794: C8	INY
\$9795: 90 02	BCC b9799
\$9797: D1 94	CMP (p94),Y
\$9799: 60	b9799 RTS
\$979A: A0 00	s979A LDY #\$00
\$979C: A9 5B	LDA #\$5B
\$979E: 91 94	STA (p94),Y
\$97A0: C8	INY
\$97A1: 91 94	STA (p94),Y
\$97A3: A0 40	LDY #\$40
\$97A5: 91 94	STA (p94),Y
\$97A7: C8	INY
\$97A8: 91 94	STA (p94),Y

\$97AA: 60	RTS
\$97AB: A0 00	s97AB LDY # \$00
\$97AD: A9 00	LDA # \$00
\$97AF: 91 94	STA (p94),Y
\$97B1: C8	INY
\$97B2: 91 94	STA (p94),Y
\$97B4: A0 40	LDY # \$40
\$97B6: 91 94	STA (p94),Y
\$97B8: C8	INY
\$97B9: 91 94	STA (p94),Y
\$97BB: 60	RTS
\$97BC: 00 00	f97BC BRK # \$00
\$97BE: 00 00	BRK # \$00
\$97C0: 00 08	BRK # \$08
\$97C2: 08	PHP
\$97C3: 08	PHP
\$97C4: 00 F8	BRK # \$F8
\$97C6: F8	SED
\$97C7: F8	SED
\$97C8: 00 00	BRK # \$00
\$97CA: 00 00	BRK # \$00
\$97CC: 00 00	f97CC BRK # \$00
\$97CE: 00 00	BRK # \$00

\$97D0: 00 08 BRK #08

\$97D2: F8 SED

\$97D3: 00 00 BRK #00

\$97D5: 08 PHP

\$97D6: F8 SED

\$97D7: 00 00 BRK #00

\$97D9: 08 PHP

\$97DA: F8 SED

a97DC =\*+\$01

\$97DB: 00 00 BRK #00

\$97DD: 00 10 a97DD BRK #10

\$97DF: 11 12 ORA (p12),Y

\$97E1: 13 14 SLO (p14),Y

\$97E3: 15 16 ORA f16,X

\$97E5: 17 18 SLO f18,X

\$97E7: 19 21 22 ORA f2221,Y

\$97EA: 23 24 RLA (p24,X)

\$97EC: 25 26 AND a26

\$97EE: 01 02 f97EE ORA (p02,X)

\$97F0: 04 08 NOP a08

\$97F2: 10 20 BPL b9814

\$97F4: 40 f97F4 RTI

f97F6 =\*+\$01

\$97F5: 80 FE NOP #FE

\$97F7: FD FB F7      SBC fF7FB,X

    f97FC =\*+\$02

\$97FA: EF DF BF      ISC aBFDF

    s97FE =\*+\$01

\$97FD: 7F A9 00      RRA f00A9,X

\$9800: 9D 20 91      STA a9120,X

\$9803: A9 3C      LDA #\$3C

\$9805: 9D 1E 91      STA a911E,X

\$9808: A9 00      LDA #<a0100

\$980A: 8D 22 91      STA f9122

\$980D: A9 01      LDA #>a0100

\$980F: 8D 23 91      STA a9123

    b9814 =\*+\$02

\$9812: 20 26 98      JSR s9826

\$9815: EE 3E B7      INC aB73E

\$9818: 8A      TXA

\$9819: 48      PHA

\$981A: 98      TYA

\$981B: 48      PHA

\$981C: A9 0F      LDA #\$0F

\$981E: 20 BA CE      JSR sCEBA

\$9821: 68      PLA

\$9822: A8      TAY

\$9823: 68      PLA

\$9824: AA      TAX



\$9825: 60            RTS

\$9826: BD 06 91    s9826 LDA f9106,X

\$9829: 4A           LSR

\$982A: 4A           LSR

\$982B: 4A           LSR

\$982C: A8           TAY

\$982D: BD 04 91       LDA f9104,X

\$9830: 4A           LSR

\$9831: 4A           LSR

\$9832: 4A           LSR

\$9833: 19 70 8E       ORA f8E70,Y

\$9836: 85 94           STA a94

\$9838: B9 90 8E       LDA f8E90,Y

\$983B: 85 95           STA a95

\$983D: A0 1F           LDY #\$1F

\$983F: BD 42 B7       LDA fB742,X

\$9842: D0 0B           BNE b984F

\$9844: A0 22           LDY #\$22

\$9846: AD AD 99        LDA a99AD

\$9849: C9 76           CMP #\$76

\$984B: 90 02           BCC b984F

\$984D: A0 13           LDY #\$13

\$984F: 98            b984F TYA

\$9850: A0 00           LDY #\$00

\$9852: 91 94	STA (p94),Y
\$9854: 0A	ASL
\$9855: 0A	ASL
\$9856: 85 96	STA a96
\$9858: A9 F4	LDA #\$F4
\$985A: 85 97	STA a97
\$985C: BD 04 91	LDA f9104,X
\$985F: 29 F8	AND #\$F8
\$9861: 8D 08 91	STA a9108
\$9864: BD 06 91	LDA f9106,X
\$9867: 29 F8	AND #\$F8
\$9869: 8D 09 91	STA a9109
\$986C: 20 F5 96	JSR s96F5
\$986F: A5 94	LDA a94
\$9871: 85 98	STA a98
\$9873: A5 95	LDA a95
\$9875: 29 2F	AND #\$2F
\$9877: 85 99	STA a99
\$9879: A0 00	LDY #\$00
\$987B: B1 96	LDA (p96),Y
\$987D: 91 94	STA (p94),Y
\$987F: C8	INY
\$9880: B1 96	LDA (p96),Y
\$9882: 91 94	STA (p94),Y
\$9884: C8	INY

\$9885: B1 96 LDA (p96),Y

\$9887: 48 PHA

\$9888: C8 INY

\$9889: B1 96 LDA (p96),Y

\$988B: A0 41 LDY #\$41

\$988D: 91 94 STA (p94),Y

\$988F: 88 DEY

\$9890: 68 PLA

\$9891: 91 94 STA (p94),Y

\$9893: E6 97 INC a97

\$9895: E6 97 INC a97

f9898 =\*+\$01

\$9897: A0 00 LDY #\$00

\$9899: B1 96 LDA (p96),Y

\$989B: 91 98 STA (p98),Y

\$989D: C8 INY

\$989E: 91 98 STA (p98),Y

\$98A0: A0 40 LDY #\$40

\$98A2: 91 98 STA (p98),Y

\$98A4: C8 INY

\$98A5: 91 98 STA (p98),Y

\$98A7: 60 RTS

\$98A8: AE 0C 91 s98A8 LDX a910C

\$98AB: AD BA 94 LDA a94BA

\$98AE: 30 2A BMI b98DA  
\$98B0: 4A LSR  
\$98B1: A8 TAY  
\$98B2: BD B0 8E LDA a8EB0,X  
\$98B5: 29 0F AND #50F  
\$98B7: D9 0F 95 CMP f950F,Y  
\$98BA: D0 1E BNE b98DA  
\$98BC: AC BA 94 LDY a94BA  
\$98BF: 8A TXA  
\$98C0: 0A ASL  
\$98C1: AA TAX  
\$98C2: B9 B0 00 LDA a00B0,Y  
\$98C5: 95 C0 STA fC0,X  
\$98C7: B9 B1 00 LDA f00B1,Y  
\$98CA: 95 C1 STA fC1,X  
\$98CC: A1 C0 LDA (pC0,X)  
\$98CE: C9 30 CMP #530  
\$98D0: D0 08 BNE b98DA  
\$98D2: AE 0C 91 LDX a910C  
\$98D5: A9 01 LDA #501  
\$98D7: 9D 71 90 STA f9071,X  
\$98DA: 60 b98DA RTS  
  
\$98DB: 13 00 f98DB SLO (p00),Y  
\$98DD: 4C 45 56 JMP j5645

\$98E0: 45 4C	EOR a4C
\$98E2: 20 30 30	JSR f3030
\$98E5: 31 47	AND (p47),Y
\$98E7: 31 2A	AND (p2A),Y
\$98E9: 4E 32 33	LSR a3332
\$98EC: 32	JAM
\$98ED: 20 35 30	JSR s3035
\$98F0: 30 30	BMI b9922
\$98F2: 47 32	SRE a32
\$98F4: 2A	ROL
\$98F5: 52	JAM
\$98F6: 53 2E	SRE (p2E),Y
\$98F8: 53 50	SRE (p50),Y
\$98FA: 52	JAM
\$98FB: 47 33	SRE a33
\$98FD: 2A	ROL
\$98FE: 44 49	NOP a49
\$9900: 53 47	SRE (p47),Y
\$9902: 34 2A	NOP f2A,X
\$9904: 54 49	NOP f49,X
\$9906: 44 41	NOP a41
\$9908: 54 41	NOP f41,X
\$990A: 20 31 34	JSR s3431

f990E =\*+\$01

\$990D: 36 47      ROL f47,X  
\$990F: 35 2A      AND f2A,X  
\$9911: 41 54      EOR (p54,X)  
\$9913: 52          JAM  
\$9914: 45 41      EOR a41

f9917 =\*+\$01

\$9916: 53 55      SRE (p55),Y  
\$9918: 52          JAM  
\$9919: 45 20      EOR a20  
\$991B: 34 34      NOP f34,X  
\$991D: 36 47      ROL f47,X  
\$991F: 36 2A      ROL f2A,X

b9922 =\*+\$01

\$9921: 59 45 52    EOR f5245,Y  
\$9924: 2D 24 45    AND a4524  
\$9927: 30 30      BMI b9959  
\$9929: 30 47      BMI b9972  
\$992B: 37 2A      RLA f2A,X  
\$992D: 4E 54 20    LSR a2054  
\$9930: 43 48      SRE (p48,X)  
\$9932: 52          JAM  
\$9933: 20 24 34    JSR s3424  
\$9936: 38          SEC  
\$9937: 30 30      BMI b9969

f993A =\*+\$01

\$9939: 00 0A f9939 BRK #\$0A

\$993B: 88 DEY

\$993C: 13 00 SLO (p00),Y

\$993E: 20 00 F0 JSR aF000

\$9941: 00 EA BRK #\$EA

\$9943: 00 E8 BRK #\$E8

\$9945: 00 E0 BRK #\$E0

\$9947: 00 48 BRK #\$48

\$9949: 09 0C f9949 ORA #\$0C

\$994B: 09 06 ORA #\$06

\$994D: 0D 10 0C ORA a0C10

a9951 =\*+\$01

f9952 =\*+\$02

\$9950: 0F 07 DD SLO \$DD07 ;CIA2: Timer B: High-Byte

\$9953: 98 f9953 TYA

\$9954: E6 98 INC a98

\$9956: F2 JAM

\$9957: 98 TYA

b9959 =\*+\$01

\$9958: FB 98 01 ISC f0198,Y

\$995B: 99 0E 99 STA f990E,Y

\$995E: 1E 99 2A ASL f2A99,X

\$9961: 99 39 99 STA f9939,Y

\$9964: AE 51 99 s9964 LDX a9951

b9969 =\*+\$02

\$9967: 2C A2 00 BIT a00A2  
\$996A: 8A b996A TXA  
\$996B: 48 PHA  
\$996C: A9 01 LDA #\$01  
\$996E: A2 08 LDX #\$08  
\$9970: A0 00 LDY #\$00  
\$9972: 20 BA FF b9972 JSR ROM\_SETLFS ;\$FFBA - set file parameters  
\$9975: 68 PLA  
\$9976: 48 PHA  
\$9977: AA TAX  
\$9978: 0A ASL  
\$9979: A8 TAY  
\$997A: B9 39 99 LDA f9939,Y  
\$997D: 48 PHA  
\$997E: B9 3A 99 LDA f993A,Y  
\$9981: 48 PHA  
\$9982: BD 49 99 LDA f9949,X  
\$9985: 48 PHA  
\$9986: B9 52 99 LDA f9952,Y  
\$9989: AA TAX  
\$998A: B9 53 99 LDA f9953,Y  
\$998D: A8 TAY  
\$998E: 68 PLA  
\$998F: 20 BD FF JSR ROM\_SETNAM ;\$FFBD - set file name  
\$9992: 68 PLA



```
$9993: A8      TAY
$9994: 68      PLA
$9995: AA      TAX
$9996: A9 00   LDA #$00
$9998: 20 D5 FF JSR ROM_LOAD ;$FFD5 - load after call SETLFS,SETNAM
$999B: 68      PLA
$999C: AA      TAX
$999D: CA      DEX
$999E: D0 CA   BNE b996A
$99A0: 60      RTS

$99A1: 00 AD   BRK #$AD
$99A3: 00 DC   BRK #$DC
$99A5: 29 10   AND #$10
$99A7: F0 02   BEQ b99AB
$99A9: 18      CLC
$99AA: 60      RTS

$99AB: 38      b99AB SEC
$99AC: 60      RTS

a99AE =*+$01
$99AD: 00 03   a99AD BRK #$03
a99B0 =*+$01
$99AF: 06 33   a99AF ASL a33
```

\$99B1: 02      a99B1 JAM  
\$99B2: 20 72 CF    s99B2 JSR sCF72  
\$99B5: 20 D8 9B      JSR s9BD8  
\$99B8: CE AF 99      DEC a99AF  
\$99BB: D0 03      BNE b99C0  
\$99BD: 20 40 9A      JSR s9A40  
\$99C0: 78      b99C0 SEI  
\$99C1: A5 01      LDA a01  
\$99C3: 48      PHA  
\$99C4: A9 34      LDA #34  
\$99C6: 85 01      STA a01  
\$99C8: A9 00      LDA #00  
\$99CA: 8D AD 99      STA a99AD  
\$99CD: AD B1 99      LDA a99B1  
\$99D0: A8      TAY  
\$99D1: B9 1C 9B      LDA f9B1C,Y  
\$99D4: F0 03      BEQ b99D9  
\$99D6: CE AD 99      DEC a99AD  
\$99D9: 98      b99D9 TYA  
\$99DA: 0A      ASL  
\$99DB: 18      CLC  
\$99DC: 69 D0      ADC #D0  
\$99DE: 85 FC      STA aFC  
\$99E0: A9 0A      LDA #>a0A00

f99E3 =\*+\$01

\$99E2: 85 F8	STA aF8
\$99E4: A9 00	LDA #<a0A00
\$99E6: 85 F7	STA aF7
\$99E8: 85 FB	STA aFB
\$99EA: A8	TAY
\$99EB: A2 01	LDX #\$01
\$99ED: B1 FB	b99ED LDA (pFB),Y
\$99EF: 91 F7	STA (pF7),Y
\$99F1: C8	INY
\$99F2: D0 F9	BNE b99ED
\$99F4: E6 F8	INC aF8
\$99F6: E6 FC	INC aFC
\$99F8: CA	DEX
\$99F9: 10 F2	BPL b99ED
\$99FB: EE B1 99	INC a99B1
\$99FE: 68	PLA
\$99FF: 85 01	STA a01
\$9A01: 58	CLI
\$9A02: 20 89 82	JSR s8289
\$9A05: A9 00	LDA #\$00
\$9A07: 8D 9E E6	STA aE69E
\$9A0A: EE AE 99	INC a99AE
\$9A0D: 20 94 AE	JSR sAE94
\$9A10: AD AD 99	LDA a99AD
\$9A13: C9 76	CMP #\$76

\$9A15: 90 0A      BCC b9A21

\$9A17: 20 87 B1      JSR sB187

\$9A1A: 20 29 A5      JSR sA529

\$9A1D: 20 68 9C      JSR s9C68

\$9A20: 60          RTS

\$9A21: 20 44 B0    b9A21 JSR sB044

    a9A25   =\*\$01

\$9A24: A2 00      LDX #00

\$9A26: 20 D2 B0      JSR sB0D2

\$9A29: 20 4F 9D      JSR a9D4F

\$9A2C: 20 E7 B0      JSR sB0E7

\$9A2F: 46 9B      LSR a9B

\$9A31: 20 E7 B0      JSR sB0E7

\$9A34: 5B 9B 20      SRE f209B,Y

\$9A37: 23 9B      RLA (p9B,X)

\$9A39: 20 29 A5      JSR sA529

\$9A3C: 20 68 9C      JSR s9C68

\$9A3F: 60          RTS

\$9A40: 20 C4 82    s9A40 JSR s82C4

    a9A44   =\*\$01

\$9A43: A9 02      LDA #02

\$9A45: A0 02      LDY #02

\$9A47: 8C 44 9A      STY a9A44

\$9A4A: 20 50 08 JSR s0850  
\$9A4D: A9 00 LDA #\$00  
\$9A4F: 8D B1 99 STA a99B1  
\$9A52: 20 6C 9A JSR s9A6C  
\$9A55: A9 07 LDA #\$07  
\$9A57: AC AE 99 LDY a99AE  
\$9A5A: C0 08 CPY #\$08  
\$9A5C: 90 0A BCC b9A68  
\$9A5E: AD 02 20 LDA a2002  
\$9A61: 29 40 AND #\$40  
\$9A63: CD AB 9D CMP a9DAB  
\$9A66: A9 04 LDA #\$04  
\$9A68: 8D AF 99 b9A68 STA a99AF  
\$9A6B: 60 RTS

f9A6D =\*+\$01

\$9A6C: 20 D4 9A s9A6C JSR s9AD4  
\$9A6F: 78 SEI  
\$9A70: A5 01 LDA a01  
\$9A72: 48 PHA  
\$9A73: A9 34 LDA #\$34  
\$9A75: 85 01 STA a01  
\$9A77: A9 00 LDA #\$00  
\$9A79: 85 F7 STA aF7  
\$9A7B: 85 FB STA aFB

\$9A7D: A9 D0 LDA #\$D0  
\$9A7F: 85 F8 STA aF8  
\$9A81: A9 06 b9A81 LDA #\$06  
\$9A83: 38 SEC  
\$9A84: ED 64 82 SBC a8264  
\$9A87: AA TAX  
s9A89 =\*+\$01  
\$9A88: A9 00 LDA #\$00  
\$9A8A: 9D 19 9B STA f9B19,X  
\$9A8D: AD AE 99 LDA a99AE  
\$9A90: C9 08 CMP #\$08  
\$9A92: 90 1C BCC b9AB0  
\$9A94: CE 1B B0 DEC aB01B  
\$9A97: D0 17 BNE b9AB0  
\$9A99: A9 01 LDA #\$01  
\$9A9B: 9D 19 9B STA f9B19,X  
\$9A9E: 20 0F A5 JSR sA50F  
\$9AA1: 29 03 AND #\$03  
\$9AA3: 09 08 ORA #\$08  
\$9AA5: 8D 1B B0 STA aB01B  
\$9AA8: 20 0F A5 JSR sA50F  
\$9AAB: 29 01 AND #\$01  
\$9AAD: 09 08 ORA #\$08  
\$9AAF: AA TAX  
\$9AB0: BD 0F 9B b9AB0 LDA f9B0F,X

\$9AB3: 0A ASL  
\$9AB4: 09 20 ORA #20  
\$9AB6: 85 FC STA aFC  
\$9AB8: A2 01 LDX #01  
\$9ABA: A0 00 LDY #00  
\$9ABC: B1 FB b9ABC LDA (pFB),Y  
\$9ABE: 91 F7 STA (pF7),Y  
\$9AC0: C8 INY  
\$9AC1: D0 F9 BNE b9ABC  
\$9AC3: E6 F8 INC aF8  
\$9AC5: E6 FC INC aFC  
\$9AC7: CA DEX  
\$9AC8: 10 F2 BPL b9ABC  
\$9ACA: CE 64 82 DEC a8264  
\$9ACD: 10 B2 BPL b9A81  
\$9ACF: 68 PLA  
\$9AD0: 85 01 STA a01  
\$9AD2: 58 CLI  
\$9AD3: 60 RTS  
  
\$9AD4: AC AE 99 s9AD4 LDY a99AE  
\$9AD7: C0 04 CPY #04  
\$9AD9: B0 0F BCS b9AEA  
\$9ADB: A2 09 LDX #09  
\$9ADD: 8A b9ADD TXA

\$9ADE: 9D 0F 9B      STA f9B0F,X  
\$9AE1: CA            DEX  
\$9AE2: 10 F9        BPL b9ADD  
\$9AE4: A9 06        LDA #\$06  
\$9AE6: 8D 64 82    STA a8264  
\$9AE9: 60            RTS  
  
\$9AEA: A9 35    b9AEA LDA #\$35  
\$9AEC: 85 01      STA a01  
\$9AEE: AD 12 D0    LDA \$D012 ;Raster Position  
\$9AF1: 29 07      AND #\$07  
\$9AF3: A8          TAY  
\$9AF4: A2 00    s9AF4 LDX #\$00  
\$9AF6: 98        b9AF6 TYA  
\$9AF7: 9D 0F 9B    STA f9B0F,X  
\$9AFA: C8          INY  
\$9AFB: 98          TYA  
\$9AFC: 29 07      AND #\$07  
\$9AFE: A8          TAY  
\$9AFF: E8          INX  
\$9B00: E0 08      CPX #\$08  
\$9B02: D0 F2      BNE b9AF6  
\$9B04: A9 03      LDA #\$03  
\$9B06: 8D 64 82    STA a8264  
\$9B09: A9 00      LDA #\$00



\$9B0B: 8D 20 D0 STA \$D020 ;Border Color

\$9B0E: 60 RTS

\$9B0F: 00 01 f9B0F BRK #\$01

\$9B11: 02 JAM

\$9B12: 03 04 SLO (p04,X)

\$9B14: 05 06 ORA a06

\$9B16: 07 08 SLO a08

f9B19 =\*+\$01

\$9B18: 09 00 ORA #\$00

\$9B1A: 00 00 BRK #\$00

\$9B1C: 00 00 f9B1C BRK #\$00

\$9B1E: 00 00 BRK #\$00

\$9B20: 00 00 BRK #\$00

s9B23 =\*+\$01

\$9B22: 00 A2 BRK #\$A2

\$9B24: 02 JAM

\$9B25: 20 D2 B0 JSR sB0D2

\$9B28: A2 0A LDX #\$0A

\$9B2A: 20 28 B2 JSR sB228

\$9B2D: AD 01 0A LDA a0A01

\$9B30: 29 01 AND #\$01

\$9B32: F0 05 BEQ b9B39

\$9B34: 20 E7 B0 JSR sB0E7

\$9B37: 70 9B BVS s9AD4

\$9B39: AD 01 0A    b9B39   LDA a0A01

\$9B3C: 29 02        AND #\$02

\$9B3E: F0 05        BEQ b9B45

\$9B40: 20 E7 B0     JSR sB0E7

      b9B45    =\*+\$02

\$9B43: 8E 9B 60     STX a609B

      a9B47    =\*+\$01

\$9B46: 13 0A        SLO (p0A),Y

\$9B48: E1 E2        SBC (pE2,X)

\$9B4A: E3 E4        ISC (pE4,X)

\$9B4C: E5 E6        SBC aE6

\$9B4E: E3 E4        ISC (pE4,X)

\$9B50: E1 E2        SBC (pE2,X)

\$9B52: 20 E0 20     JSR s20E0

\$9B55: 20 20 20     JSR a2020

\$9B58: 20 20 20     JSR a2020

      a9B5C    =\*+\$01

\$9B5B: 13 0A        SLO (p0A),Y

\$9B5D: 01 02        ORA (p02,X)

\$9B5F: 03 04        SLO (p04,X)

\$9B61: 05 06        ORA a06

\$9B63: 03 04        SLO (p04,X)

\$9B65: 01 02        ORA (p02,X)

\$9B67: 20 00 20     JSR s2000

\$9B6A: 20 20 20     JSR a2020

\$9B6D: 20 20 20	JSR a2020
\$9B70: 1C 01 53	NOP f5301,X
\$9B73: 48	PHA
\$9B74: 4F 54 53	SRE a5354
\$9B77: 20 4E 4F	JSR s4F4E
\$9B7A: 57 20	SRE f20,X
\$9B7C: 48	PHA
\$9B7D: 55 52	EOR f52,X
\$9B7F: 54 20	NOP f20,X
\$9B81: 4F 54 48	SRE a4854
\$9B84: 45 52	EOR a52
\$9B86: 20 50 4C	JSR s4C50
\$9B89: 41 59	EOR (p59,X)
\$9B8B: 45 52	EOR a52
\$9B8D: 53 1C	SRE (p1C),Y
\$9B8F: 01 53	ORA (p53,X)
\$9B91: 48	PHA
\$9B92: 4F 54 53	SRE a5354
\$9B95: 20 4E 4F	JSR s4F4E
\$9B98: 57 20	SRE f20,X
\$9B9A: 53 54	f9B9A SRE (p54),Y
\$9B9C: 55 4E	EOR f4E,X
\$9B9E: 20 4F 54	JSR s544F
\$9BA1: 48	PHA
\$9BA2: 45 52	EOR a52

\$9BA4: 20 50 4C JSR s4C50  
\$9BA7: 41 59 EOR (p59,X)  
\$9BA9: 45 52 EOR a52  
\$9BAB: 53 AD SRE (pAD),Y  
\$9BAD: 1B B0 D0 SLO fD0B0,Y  
\$9BB0: 19 20 0F ORA f0F20,Y  
\$9BB3: A5 29 LDA a29  
\$9BB5: 03 09 SLO (p09,X)  
\$9BB7: 04 8D NOP a8D

b9BBB =\*+\$02

\$9BB9: 1B B0 20 SLO f20B0,Y  
\$9BBC: 0F A5 29 SLO a29A5  
\$9BBF: 0F C9 0B SLO a0BC9  
\$9BC2: B0 F7 BCS b9BBB  
\$9BC4: 69 76 ADC #\$76  
\$9BC6: CE AE 99 DEC a99AE  
\$9BC9: 60 RTS

\$9BCA: 20 0F A5 b9BCA JSR sA50F  
\$9BCD: 29 7F AND #\$7F  
\$9BCF: C9 08 CMP #\$08  
\$9BD1: 90 F7 BCC b9BCA  
\$9BD3: C9 76 CMP #\$76  
\$9BD5: B0 F3 BCS b9BCA  
\$9BD7: 60 RTS

\$9BD8: AD AE 99 s9BD8 LDA a99AE

\$9BDB: C9 02 CMP #\$02

\$9BDD: F0 12 BEQ b9BF1

\$9BDF: C9 05 CMP #\$05

\$9BE1: F0 01 BEQ b9BE4

\$9BE3: 60 RTS

\$9BE4: A2 02 b9BE4 LDX #\$02

\$9BE6: 20 24 9C JSR s9C24

\$9BE9: A2 00 LDX #\$00

\$9BEB: 20 24 9C JSR s9C24

\$9BEE: 4C FB 9B JMP j9BFB

\$9BF1: A2 02 b9BF1 LDX #\$02

\$9BF3: 20 3D 9C JSR s9C3D

\$9BF6: A2 00 LDX #\$00

\$9BF8: 20 3D 9C JSR s9C3D

\$9BFB: AD 21 9C j9BFB LDA a9C21

\$9BFE: CD 23 9C CMP a9C23

\$9C01: B0 03 BCS b9C06

\$9C03: AD 23 9C LDA a9C23

\$9C06: 8D AE 99 b9C06 STA a99AE

\$9C09: C9 08 CMP #\$08

\$9C0B: 90 05 BCC b9C12

\$9C0D: A9 01       LDA #\$01  
\$9C0F: 8D AF 99     STA a99AF  
\$9C12: C9 04   b9C12  CMP #\$04  
\$9C14: D0 0A       BNE b9C20  
\$9C16: A9 03       LDA #\$03  
\$9C18: 8D B1 99     STA a99B1  
\$9C1B: A9 05       LDA #\$05  
\$9C1D: 8D AF 99     STA a99AF  
\$9C20: 60       b9C20  RTS  
  
\$9C21: 02       a9C21  JAM  
          a9C23  =\*\$01  
\$9C22: 00 02       BRK #\$02  
\$9C24: B5 C0   s9C24  LDA fC0,X  
\$9C26: C9 3F       CMP #\$3F  
\$9C28: D0 0C       BNE b9C36  
\$9C2A: B5 C1       LDA fC1,X  
\$9C2C: C9 0E       CMP #\$0E  
\$9C2E: D0 06       BNE b9C36  
\$9C30: A9 08       LDA #\$08  
\$9C32: 9D 21 9C     STA a9C21,X  
\$9C35: 60       RTS  
  
\$9C36: AD AE 99   b9C36  LDA a99AE  
\$9C39: 9D 21 9C     STA a9C21,X

\$9C3C: 60            RTS

\$9C3D: B5 C0       s9C3D LDA fC0,X

\$9C3F: C9 3F           CMP #3F

\$9C41: D0 0C           BNE b9C4F

\$9C43: B5 C1           LDA fC1,X

\$9C45: C9 0C           CMP #0C

\$9C47: D0 06           BNE b9C4F

\$9C49: A9 08           LDA #08

\$9C4B: 9D 21 9C       STA a9C21,X

\$9C4E: 60            RTS

\$9C4F: B5 C0       b9C4F LDA fC0,X

\$9C51: C9 FF           CMP #FF

\$9C53: D0 0C           BNE b9C61

\$9C55: B5 C1           LDA fC1,X

\$9C57: C9 0F           CMP #0F

\$9C59: D0 06           BNE b9C61

\$9C5B: A9 04           LDA #04

\$9C5D: 9D 21 9C       STA a9C21,X

\$9C60: 60            RTS

\$9C61: AD AE 99       b9C61 LDA a99AE

\$9C64: 9D 21 9C       STA a9C21,X

\$9C67: 60            RTS

\$9C68: A9 00 s9C68 LDA #\$00

\$9C6A: A2 EA LDX #\$EA

\$9C6C: 20 03 E0 JSR sE003

\$9C6F: A9 01 LDA #\$01

\$9C71: 8D 52 82 STA a8252

\$9C74: 8D 9E E6 STA aE69E

\$9C77: 20 FD 81 b9C77 JSR s81FD

\$9C7A: 20 00 E0 JSR sE000

\$9C7D: AD 9E E6 LDA aE69E

\$9C80: D0 F5 BNE b9C77

\$9C82: 60 RTS

\$9C83: AD FD CF s9C83 LDA aCFFD

\$9C86: F0 01 BEQ b9C89

\$9C88: 60 RTS

\$9C89: EE FD CF b9C89 INC aCFFD

\$9C8C: A2 00 LDX #\$00

\$9C8E: 20 A7 9C JSR s9CA7

\$9C91: A2 01 LDX #\$01

\$9C93: 20 A7 9C JSR s9CA7

\$9C96: 20 3D 9D JSR s9D3D

\$9C99: A2 00 LDX #\$00

\$9C9B: 20 D6 9C JSR s9CD6



\$9C9E: A2 01 LDX #\$01  
\$9CA0: 20 D6 9C JSR s9CD6  
\$9CA3: 20 01 9D JSR s9D01  
\$9CA6: 60 RTS  
  
\$9CA7: BD FE CF s9CA7 LDA aCFE,X  
\$9CAA: 9D 1C 91 STA f911C,X  
\$9CAD: A8 TAY  
\$9CAE: B9 D0 9C LDA f9CD0,Y  
\$9CB1: 85 FC f9CB1 STA aFC  
\$9CB3: BD D4 9C LDA f9CD4,X  
\$9CB6: 85 F8 STA aF8  
\$9CB8: A9 00 LDA #\$00  
\$9CBA: 85 F7 STA aF7  
\$9CBC: 85 FB STA aFB  
\$9CBE: A8 TAY  
\$9CBF: A2 01 LDX #\$01  
\$9CC1: B1 FB b9CC1 LDA (pFB),Y  
\$9CC3: 91 F7 STA (pF7),Y  
\$9CC5: C8 INY  
\$9CC6: D0 F9 BNE b9CC1  
\$9CC8: E6 F8 INC aF8  
\$9CCA: E6 FC INC aFC  
\$9CCC: CA DEX  
\$9CCD: 10 F2 BPL b9CC1

\$9CCF: 60            RTS

\$9CD0: 70 72    f9CD0 BVS b9D44

\$9CD2: 74 76            NOP f76,X

\$9CD4: 18        f9CD4 CLC

\$9CD5: 1A            NOP

\$9CD6: BC 1C 91   s9CD6 LDY f911C,X

\$9CD9: B9 FB 9C        LDA f9CFB,Y

\$9CDC: 85 FC        STA aFC

\$9CDE: BD FF 9C        LDA f9CFF,X

\$9CE1: 85 F8        STA aF8

\$9CE3: A9 00        LDA #\$00

\$9CE5: 85 F7        STA aF7

\$9CE7: 85 FB        STA aFB

\$9CE9: A8        TAY

\$9CEA: A2 07        LDX #\$07

\$9CEC: B1 FB    b9CEC LDA (pFB),Y

\$9CEE: 91 F7        STA (pF7),Y

\$9CF0: C8        INY

\$9CF1: D0 F9        BNE b9CEC

\$9CF3: E6 F8        INC aF8

\$9CF5: E6 FC        INC aFC

\$9CF7: CA        DEX

\$9CF8: 10 F2        BPL b9CEC

\$9CFA: 60            RTS

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$9CFB: 20 28 30 f9CFB JSR s3028
$9CFE: 38 SEC
$9CFF: 70 78 f9CFF BVS b9D79
$9D01: A0 00 s9D01 LDY #00
$9D03: B9 00 76 b9D03 LDA f7600,Y
$9D06: 99 00 1C STA f1C00,Y
$9D09: B9 00 77 LDA f7700,Y
$9D0C: 99 00 1D STA f1D00,Y
$9D0F: B9 00 7E LDA f7E00,Y
$9D12: 99 00 1E STA f1E00,Y
$9D15: B9 00 7F LDA f7F00,Y
$9D18: 99 00 1F STA f1F00,Y
$9D1B: C8 INY
$9D1C: D0 E5 BNE b9D03
$9D1E: 60 RTS

$9D1F: A0 00 s9D1F LDY #00
$9D21: B9 00 18 b9D21 LDA f1800,Y
$9D24: 99 00 76 STA f7600,Y
$9D27: B9 00 19 LDA f1900,Y
$9D2A: 99 00 77 STA f7700,Y
j9D2F =*+$02
$9D2D: B9 00 1A LDA a1A00,Y
f9D31 =*+$01
```

\$9D30: 99 00 7E      STA f7E00,Y  
\$9D33: B9 00 1B      LDA f1B00,Y  
\$9D36: 99 00 7F      STA f7F00,Y  
\$9D39: C8            INY  
\$9D3A: D0 E5          BNE b9D21  
\$9D3C: 60            RTS  
  
\$9D3D: A0 00    s9D3D   LDY #\$00  
\$9D3F: B9 00 74   b9D3F   LDA f7400,Y  
                  b9D44   =\*+\$02  
\$9D42: 99 00 6E      STA f6E00,Y  
\$9D45: B9 00 75      LDA f7500,Y  
\$9D48: 99 00 6F      STA f6F00,Y  
\$9D4B: C8            INY  
\$9D4C: D0 F1          BNE b9D3F  
\$9D4E: 60            RTS  
  
\$9D4F: AC AE 99   a9D4F   LDY a99AE  
\$9D52: 88            DEY  
\$9D53: 98            TYA  
\$9D54: 20 6B B1      JSR sB16B  
\$9D57: 29 0F          AND #\$0F  
\$9D59: 18            CLC  
\$9D5A: 69 A2          ADC #\$A2  
\$9D5C: 8D 58 91      STA a9158

\$9D5F: 98	TYA
\$9D60: 29 0F	AND #\$0F
\$9D62: 18	CLC
\$9D63: 69 A2	ADC #\$A2
\$9D65: 8D 57 91	STA a9157
\$9D68: 8A	TXA
\$9D69: 29 0F	AND #\$0F
\$9D6B: 18	CLC
\$9D6C: 69 A2	ADC #\$A2
\$9D6E: 8D 56 91	STA f9156
\$9D71: A9 D0	LDA #<pE4D0
\$9D73: 8D 3E 91	STA a913E
\$9D76: A9 E4	LDA #>pE4D0
b9D79	=*+\$01
\$9D78: 8D 3F 91	STA a913F
\$9D7B: A9 F8	LDA #\$F8
\$9D7D: 8D 40 91	STA a9140
\$9D80: A9 6E	LDA #\$6E
\$9D82: 8D 44 91	STA a9144
\$9D85: 8D 45 91	STA a9145
\$9D88: 8D 46 91	STA a9146
\$9D8B: A9 1C	LDA #\$1C
\$9D8D: 8D 11 91	STA a9111
\$9D90: 8D 15 D0	STA \$D015 ;Sprite display Enable
\$9D93: AE 1C 91	LDX f911C

\$9D96: BD 18 91 LDA f9118,X  
\$9D99: 8D 9B AB STA aAB9B  
\$9D9C: 8D 9C AB STA aAB9C  
\$9D9F: 8D 9D AB STA aAB9D  
\$9DA2: 09 08 ORA # \$08  
\$9DA4: 8D 47 9B STA a9B47  
\$9DA7: 8D 5C 9B STA a9B5C  
\$9DAA: 60 RTS

\$9DAB: 00 A9 a9DAB BRK # \$A9  
\$9DAD: 01 2C ORA (p2C,X)  
\$9DAF: A9 02 f9DAF LDA # \$02  
\$9DB1: 2C A9 04 BIT a04A9

f9DB5 =\*+ \$01

\$9DB4: 2C A9 08 BIT a08A9  
\$9DB7: 2C A9 10 BIT a10A9

f9DBB =\*+ \$01

\$9DBA: 2C A9 20 BIT a20A9  
\$9DBD: 8D 64 82 STA a8264  
\$9DC0: 3D 34 9F AND f9F34,X  
\$9DC3: D0 10 BNE b9DD5  
\$9DC5: AD 64 82 LDA a8264  
\$9DC8: 1D 34 9F ORA f9F34,X  
\$9DCB: 9D 34 9F STA f9F34,X  
\$9DCE: 20 E5 9D JSR s9DE5

\$9DD1: 20 37 9F JSR s9F37  
\$9DD4: 60 RTS  
  
\$9DD5: BD 42 B7 b9DD5 LDA fB742,X  
\$9DD8: 18 CLC  
\$9DD9: 7D 44 B7 ADC fB744,X  
\$9DDC: DD 46 B7 CMP fB746,X  
\$9DDF: B0 03 BCS b9DE4  
\$9DE1: 4C 94 B9 JMP jB994  
  
\$9DE4: 60 b9DE4 RTS  
  
\$9DE5: BC 1C 91 s9DE5 LDY f911C,X  
\$9DE8: A9 00 LDA #\$00  
\$9DEA: 8D 36 9F STA a9F36  
\$9DED: AD 64 82 LDA a8264  
\$9DF0: 29 01 AND #\$01  
\$9DF2: F0 32 BEQ b9E26  
\$9DF4: B9 EC 9E LDA f9EEC,Y  
\$9DF7: 9D 1E 9F STA f9F1E,X  
\$9DFA: B9 F0 9E LDA f9EF0,Y  
\$9DFD: 9D 2A 9F STA f9F2A,X  
\$9E00: B9 F4 9E LDA f9EF4,Y  
\$9E03: 9D 22 9F STA f9F22,X  
\$9E06: B9 F8 9E LDA f9EF8,Y

\$9E09: 9D 2E 9F STA f9F2E,X

\$9E0C: B9 FC 9E LDA f9EFC,Y

\$9E0F: 9D 26 9F STA f9F26,X

f9E13 =\*+\$01

\$9E12: B9 00 9F LDA f9F00,Y

\$9E15: 9D 32 9F STA f9F32,X

\$9E18: A9 08 LDA #\$08

\$9E1A: BC 36 83 LDY f8336,X

\$9E1D: 99 24 43 STA f4324,Y

\$9E20: A9 07 LDA #\$07

\$9E22: 99 24 DB STA fDB24,Y

\$9E25: 60 RTS

\$9E26: EE 36 9F b9E26 INC a9F36

\$9E29: AD 64 82 LDA a8264

\$9E2C: 29 02 AND #\$02

\$9E2E: F0 13 BEQ b9E43

\$9E30: A9 0F LDA #\$0F

\$9E32: 9D 46 B7 STA fB746,X

\$9E35: A9 07 LDA #\$07

\$9E37: BC 36 83 LDY f8336,X

\$9E3A: 99 25 43 STA f4325,Y

\$9E3D: A9 04 LDA #\$04

\$9E3F: 99 25 DB STA fDB25,Y

\$9E42: 60 RTS



\$9E43: EE 36 9F b9E43 INC a9F36

f9E48 =\*+\$02

\$9E46: AD 64 82 LDA a8264

\$9E49: 29 04 AND #\$04

\$9E4B: F0 1A BEQ b9E67

\$9E4D: B9 D3 A0 LDA fa0D3,Y

\$9E50: 9D E5 A0 STA fa0E5,X

\$9E53: B9 CF A0 LDA fa0CF,Y

\$9E56: 9D E1 A0 STA fa0E1,X

\$9E59: A9 0A a9E59 LDA #\$0A

a9E5C =\*+\$01

\$9E5B: BC 36 83 LDY f8336,X

\$9E5E: 99 26 43 STA f4326,Y

\$9E61: A9 05 LDA #\$05

\$9E63: 99 26 DB STA fDB26,Y

\$9E66: 60 RTS

\$9E67: EE 36 9F b9E67 INC a9F36

\$9E6A: AD 64 82 LDA a8264

\$9E6D: 29 08 AND #\$08

\$9E6F: F0 1A BEQ b9E8B

\$9E71: B9 CC 9E LDA f9ECC,Y

\$9E74: 9D 8C AD STA fAD8C,X

\$9E77: B9 D0 9E LDA f9ED0,Y

\$9E7A: 9D 9F AD STA fAD9F,X

\$9E7D: A9 09 LDA #09

\$9E7F: BC 36 83 LDY f8336,X

\$9E82: 99 31 43 STA f4331,Y

\$9E85: A9 07 LDA #07

\$9E87: 99 31 DB STA fDB31,Y

\$9E8A: 60 RTS

\$9E8B: EE 36 9F b9E8B INC a9F36

\$9E8E: AD 64 82 LDA a8264

\$9E91: 29 10 AND #10

\$9E93: F0 13 BEQ b9EA8

\$9E95: A9 08 LDA #08

\$9E97: 9D A3 AD STA fADA3,X

\$9E9A: A9 06 LDA #06

f9E9D =\*+\$01

\$9E9C: BC 36 83 LDY f8336,X

\$9E9F: 99 32 43 STA f4332,Y

\$9EA2: A9 01 LDA #01

\$9EA4: 99 32 DB STA fDB32,Y

\$9EA7: 60 RTS

\$9EA8: EE 36 9F b9EA8 INC a9F36

\$9EAB: AD 64 82 LDA a8264

\$9EAE: 29 20 AND #20

\$9EB0: F0 19        BEQ b9ECB  
\$9EB2: B9 D4 9E        LDA f9ED4,Y  
\$9EB5: 9D A7 AD        STA fADA7,X  
\$9EB8: B9 D8 9E        LDA f9ED8,Y  
\$9EBB: 9D AB AD        STA fADAB,X  
\$9EBE: A9 05        LDA #\$05  
\$9EC0: BC 36 83        LDY f8336,X  
\$9EC3: 99 33 43        STA f4333,Y  
\$9EC6: A9 03        LDA #\$03  
\$9EC8: 99 33 DB        STA fDB33,Y  
\$9ECB: 60        b9ECB    RTS

\$9ECC: 03 02    f9ECC    SLO (p02,X)  
\$9ECE: 03 02        SLO (p02,X)  
\$9ED0: C0 80    f9ED0    CPY #\$80  
\$9ED2: C0 80        CPY #\$80  
\$9ED4: 03 02    f9ED4    SLO (p02,X)  
\$9ED6: 01 01        ORA (p01,X)  
\$9ED8: C0 80    f9ED8    CPY #\$80  
\$9EDA: 40        RTI

\$9EDB: 40        RTI

\$9EDC: 02        f9EDC    JAM

\$9EDD: 01 02        ORA (p02,X)

f9EE0 =\*+\$01

\$9EDF: 01 80 ORA (p80,X)

\$9EE1: 40 RTI

\$9EE2: 80 40 NOP #\$40

\$9EE4: 02 f9EE4 JAM

\$9EE5: 01 00 ORA (p00,X)

f9EE8 =\*+\$01

\$9EE7: 00 80 BRK #\$80

\$9EE9: 80 40 NOP #\$40

\$9EEB: 40 RTI

\$9EEC: 03 02 f9EEC SLO (p02,X)

\$9EEE: 04 04 NOP a04

\$9EF0: 07 06 f9EF0 SLO a06

\$9EF2: 09 08 ORA #\$08

\$9EF4: 06 04 f9EF4 ASL a04

\$9EF6: 08 PHP

\$9EF7: 08 PHP

\$9EF8: 14 12 f9EF8 NOP f12,X

\$9EFA: 18 CLC

f9EFC =\*+\$01

\$9EFB: 16 09 ASL f09,X

\$9EFD: 06 12 ASL a12

\$9EFF: 12 JAM

\$9F00: 21 18 f9F00 AND (p18,X)

\$9F02: 27 24 RLA a24

\$9F04: 04 03 NOP a03

\$9F06: 05 05 ORA a05

\$9F08: 08 f9F08 PHP

\$9F09: 06 10 ASL a10

f9F0C =\*+\$01

\$9F0B: 09 08 ORA #08

\$9F0D: 06 10 ASL a10

f9F10 =\*+\$01

\$9F0F: 09 16 ORA #16

\$9F11: 12 JAM

f9F14 =\*+\$02

\$9F12: 20 18 12 JSR s1218

\$9F15: 09 15 ORA #15

f9F18 =\*+\$01

\$9F17: 15 24 ORA f24,X

\$9F19: 18 CLC

\$9F1A: 30 27 BMI b9F43

\$9F1C: 05 05 ORA a05

\$9F1E: 04 05 f9F1E NOP a05

\$9F20: 08 f9F20 PHP

f9F22 =\*+\$01

\$9F21: 05 05 ORA a05

\$9F23: 05 05 ORA a05

f9F26 =\*+\$01

\$9F25: 05 12      ORA a12

\$9F27: 05 10      ORA a10

f9F2A =\*+\$01

\$9F29: 10 08      BPL b9F33

\$9F2B: 10 10      BPL b9F3D

f9F2E =\*+\$01

\$9F2D: 10 16      BPL b9F45

\$9F2F: 10 10      BPL b9F41

f9F32 =\*+\$01

\$9F31: 10 24      BPL b9F57

f9F34 =\*+\$01

\$9F33: 10 00    b9F33 BPL b9F35

a9F36 =\*+\$01

\$9F35: 00 00    b9F35 BRK #00

\$9F37: AD 36 9F   s9F37 LDA a9F36

\$9F3A: 0A      ASL

\$9F3B: A8      TAY

b9F3D =\*+\$01

\$9F3C: B9 72 9F      LDA f9F72,Y

b9F41 =\*+\$02

\$9F3F: 8D 64 9F      STA a9F64

b9F43 =\*+\$01

\$9F42: B9 73 9F      LDA f9F73,Y

\$9F45: 8D 65 9F    b9F45 STA a9F65

\$9F48: 20 51 B0 JSR sB051

\$9F4B: A2 00 LDX #00

\$9F4D: 20 D2 B0 JSR sB0D2

\$9F50: AE 0D 91 LDX a910D

\$9F53: 20 2F B2 JSR sB22F

b9F57 =\*+\$01

\$9F56: 20 4F B1 JSR sB14F

\$9F59: 20 E7 B0 JSR sB0E7

\$9F5C: EE 9F 20 INC a209F

\$9F5F: 4F B1 20 SRE a20B1

\$9F62: E7 B0 ISC aB0

a9F65 =\*+\$01

\$9F64: 00 00 a9F64 BRK #00

\$9F66: A9 10 LDA #10

\$9F68: 20 BA CE JSR sCEBA

\$9F6B: 20 24 B0 JSR sB024

\$9F6E: 20 B4 8E JSR s8EB4

\$9F71: 60 RTS

f9F73 =\*+\$01

\$9F72: 7E 9F 8C f9F72 ROR f8C9F,X

\$9F75: 9F A4 9F AHX f9FA4,Y

\$9F78: B7 9F LAX f9F,Y

\$9F7A: C9 9F CMP #9F

\$9F7C: DB 9F 0C DCP f0C9F,Y

\$9F7F: 01 45       ORA (p45,X)  
\$9F81: 58       f9F81 CLI  
\$9F82: 54 52       NOP f52,X  
\$9F84: 41 20       EOR (p20,X)  
\$9F86: 41 52       EOR (p52,X)  
\$9F88: 4D 4F 55       EOR a554F  
\$9F8B: 52       JAM  
\$9F8C: 16 01       ASL f01,X  
\$9F8E: 45 58       EOR a58  
\$9F90: 54 52       NOP f52,X  
\$9F92: 41 20       EOR (p20,X)  
\$9F94: 43 41       SRE (p41,X)  
\$9F96: 52       JAM  
\$9F97: 52       JAM  
\$9F98: 59 49 4E       EOR f4E49,Y  
\$9F9B: 47 20       SRE a20  
\$9F9D: 41 42       EOR (p42,X)  
\$9F9F: 49 4C   f9F9F EOR #\$4C  
\$9FA1: 49 54       EOR #\$54  
          f9FA4 =\*+\$01  
\$9FA3: 59 11 01       EOR f0111,Y  
\$9FA6: 45 58       EOR a58  
\$9FA8: 54 52       NOP f52,X  
\$9FAA: 41 20       EOR (p20,X)  
\$9FAC: 4D 41 47       EOR a4741



\$9FAF: 49 43 EOR #43

\$9FB1: 20 50 4F JSR s4F50

\$9FB4: 57 45 SRE f45,X

\$9FB6: 52 JAM

\$9FB7: 10 01 BPL b9FBA

b9FBA =\*+\$01

\$9FB9: 45 58 EOR a58

\$9FBB: 54 52 NOP f52,X

\$9FBD: 41 20 EOR (p20,X)

\$9FBF: 53 48 SRE (p48),Y

\$9FC1: 4F 54 20 SRE a2054

\$9FC4: 50 4F BVC bA015

\$9FC6: 57 45 SRE f45,X

\$9FC8: 52 JAM

\$9FC9: 10 01 BPL b9FCC

b9FCC =\*+\$01

\$9FCB: 45 58 EOR a58

\$9FCD: 54 52 NOP f52,X

\$9FCF: 41 20 EOR (p20,X)

\$9FD1: 53 48 SRE (p48),Y

\$9FD3: 4F 54 20 SRE a2054

\$9FD6: 53 50 SRE (p50),Y

\$9FD8: 45 45 EOR a45

\$9FDA: 44 11 NOP a11

\$9FDC: 01 45 ORA (p45,X)

\$9FDE: 58	CLI
\$9FDF: 54 52	NOP f52,X
\$9FE1: 41 20	EOR (p20,X)
\$9FE3: 46 49	LSR a49
\$9FE5: 47 48	SRE a48
\$9FE7: 54 20	NOP f20,X
\$9FE9: 50 4F	BVC bA03A
\$9FEB: 57 45	SRE f45,X
\$9FED: 52	JAM
\$9FEE: 07 01	SLO a01
\$9FF0: 4E 4F 57	LSR a574F
\$9FF3: 20 48 41	JSR s4148
\$9FF6: 53 BD	SRE (pBD),Y
\$9FF8: 34 9F	NOP f9F,X
\$9FFA: F0 03	BEQ b9FFF
\$9FFC: 4C 0B A0	JMP jA00B
\$9FFF: BD 44 B7	b9FFF LDA fB744,X
\$A002: F0 03	BEQ bA007
\$A004: 20 E9 B9	JSR sB9E9
\$A007: 20 37 A0	bA007 JSR sA037
\$A00A: 60	RTS
\$A00B: 20 0F A5	jA00B JSR sA50F
\$A00E: 29 07	AND #\$07

\$A010: A8           TAY  
\$A011: B9 44 A0       LDA fA044,Y  
\$A014: A8           TAY  
\$A015: B9 EE 97   bA015 LDA f97EE,Y  
\$A018: 3D 34 9F       AND f9F34,X  
\$A01B: F0 EE           BEQ jA00B  
\$A01D: B9 F6 97       LDA f97F6,Y  
\$A020: 3D 34 9F       AND f9F34,X  
\$A023: 9D 34 9F       STA f9F34,X  
\$A026: 20 52 A0       JSR sA052  
\$A029: B9 4C A0       LDA fA04C,Y  
\$A02C: 18           CLC  
\$A02D: 7D 36 83       ADC f8336,X  
\$A030: A8           TAY  
\$A031: A9 00           LDA # \$00  
\$A033: 99 24 43       STA f4324,Y  
\$A036: 60           RTS  
  
\$A037: BD 10 BA   sA037 LDA fBA10,X  
\$A03A: 38       bA03A SEC  
\$A03B: E9 01       SBC # \$01  
\$A03D: 9D 10 BA       STA fBA10,X  
\$A040: EE 3E B7       INC aB73E  
\$A043: 60           RTS

\$A044: 00 01 fA044 BRK #S01  
\$A046: 02 JAM  
\$A047: 03 04 SLO (p04,X)  
\$A049: 05 02 ORA a02  
fA04C =\*+S01  
\$A04B: 04 00 NOP a00  
\$A04D: 01 02 ORA (p02,X)  
\$A04F: 0D 0E 0F ORA a0F0E  
\$A052: 98 sA052 TYA  
\$A053: 48 PHA  
\$A054: 0A ASL  
\$A055: A8 TAY  
\$A056: B9 6B A0 LDA fA06B,Y  
\$A059: 8D 66 A0 STA aA066  
\$A05C: B9 6C A0 LDA fA06C,Y  
sA060 =\*+S01  
\$A05F: 8D 67 A0 STA aA067  
\$A062: BC 1C 91 LDY f911C,X  
aA066 =\*+S01  
aA067 =\*+S02  
\$A065: 20 65 A0 sA065 JSR sA065  
\$A068: 68 PLA  
\$A069: A8 TAY  
\$A06A: 60 RTS

fA06C =\*+\$01

\$A06B: 77 A0 fA06B RRA fA0,X

\$A06D: 9C A0 A2 SHY fA2A0,X

\$A070: A0 AF fA070 LDY # \$AF

\$A072: A0 BC LDY # \$BC

\$A074: A0 C2 LDY # \$C2

sA077 =\*+\$01

\$A076: A0 B9 LDY # \$B9

\$A078: 04 9F NOP a9F

\$A07A: 9D 1E 9F STA f9F1E,X

\$A07D: B9 08 9F LDA f9F08,Y

\$A080: 9D 2A 9F sA080 STA f9F2A,X

\$A083: B9 0C 9F LDA f9F0C,Y

\$A086: 9D 20 9F STA f9F20,X

\$A089: B9 10 9F LDA f9F10,Y

\$A08C: 9D 2E 9F STA f9F2E,X

aA091 =\*+\$02

\$A08F: B9 14 9F LDA f9F14,Y

\$A092: 9D 26 9F STA f9F26,X

\$A095: B9 18 9F LDA f9F18,Y

\$A098: 9D 32 9F STA f9F32,X

\$A09B: 60 RTS

\$A09C: A9 0A sA09C LDA # \$0A

sA0A0 =\*+\$02

\$A09E: 9D 46 B7 STA fB746,X

\$A0A1: 60 RTS

\$A0A2: B9 DB A0 sA0A2 LDA fa0DB,Y

\$A0A5: 9D E5 A0 STA fa0E5,X

\$A0A8: B9 D7 A0 LDA fa0D7,Y

\$A0AB: 9D E1 A0 STA fa0E1,X

\$A0AE: 60 RTS

\$A0AF: B9 DC 9E sA0AF LDA f9EDC,Y

\$A0B2: 9D 8C AD STA fAD8C,X

\$A0B5: B9 E0 9E LDA f9EE0,Y

\$A0B8: 9D 9F AD STA fAD9F,X

\$A0BB: 60 RTS

\$A0BC: A9 00 sA0BC LDA # \$00

\$A0BE: 9D A3 AD STA fADA3,X

\$A0C1: 60 RTS

\$A0C2: B9 E4 9E sA0C2 LDA f9EE4,Y

\$A0C5: 9D A7 AD STA fADA7,X

\$A0C8: B9 E8 9E LDA f9EE8,Y

\$A0CB: 9D AB AD STA fADAB,X

\$A0CE: 60 RTS

\$A0CF: 03 02 fA0CF SLO (p02,X)

\$A0D1: 03 02 SLO (p02,X)

\$A0D3: C0 80 fA0D3 CPY # \$80

\$A0D5: C0 80 CPY # \$80

\$A0D7: 02 fA0D7 JAM

\$A0D8: 01 03 ORA (p03,X)

fA0DB =\*+\$01

\$A0DA: 01 80 ORA (p80,X)

\$A0DC: 40 RTI

\$A0DD: C0 40 CPY # \$40

\$A0DF: 01 01 fA0DF ORA (p01,X)

\$A0E1: 02 fA0E1 JAM

fA0E3 =\*+\$01

\$A0E2: 01 40 fA0E2 ORA (p40,X)

\$A0E4: 40 RTI

\$A0E5: 80 40 fA0E5 NOP # \$40

\$A0E7: BC 1C 91 sA0E7 LDY f911C,X

\$A0EA: 20 77 A0 JSR sA077

\$A0ED: 20 9C A0 JSR sA09C

\$A0F0: 20 A2 A0 JSR sA0A2

\$A0F3: 20 AF A0 JSR sA0AF

\$A0F6: 20 BC A0 JSR sA0BC

\$A0F9: 20 C2 A0 JSR sA0C2

\$A0FC: A9 00 LDA #\$00  
\$A0FE: 9D EB C4 STA aC4EB,X  
\$A101: 9D 42 B7 STA fB742,X  
\$A104: 9D 44 B7 STA fB744,X  
\$A107: 9D 34 9F STA f9F34,X  
\$A10A: 60 RTS

\$A10B: 4C A1 A1 sA10B JMP jA1A1

\$A10E: 4C 31 A1 sA10E JMP jA131

fA112 =\*+\$01

\$A111: 00 04 aA111 BRK #\$04

aA115 =\*+\$02

\$A113: FF 00 00 aA113 ISC e0000,X

\$A116: 00 00 BRK #\$00

\$A118: 00 00 BRK #\$00

aA11B =\*+\$01

\$A11A: 00 01 BRK #\$01

\$A11C: 4A aA11C LSR

aA11F =\*+\$02

\$A11D: FF 00 00 aA11D ISC e0000,X

\$A120: 00 00 BRK #\$00

\$A122: 00 00 BRK #\$00

aA125 =\*+\$01



\$A124: 00 01        BRK # \$01  
          aA127 =\*+\$01  
\$A126: C2 FF     aA126 NOP # \$FF  
          aA129 =\*+\$01  
\$A128: 00 00        BRK # \$00  
\$A12A: 00 00        BRK # \$00  
\$A12C: 00 00        BRK # \$00  
          aA12F =\*+\$01  
\$A12E: 00 01        BRK # \$01  
          jA131 =\*+\$01  
\$A130: 00 48     aA130 BRK # \$48  
\$A132: 8A         TXA  
\$A133: 48         PHA  
\$A134: A9 00        LDA # \$00  
\$A136: A8         TAY  
\$A137: A2 1E        LDX # \$1E  
\$A139: 9D 12 A1   bA139 STA fA112,X  
\$A13C: CA         DEX  
\$A13D: 10 FA        BPL bA139  
\$A13F: 68         PLA  
\$A140: AA         TAX  
\$A141: 68         PLA  
\$A142: 8D 12 A1     STA fA112  
          aA146 =\*+\$01  
\$A145: 8E 13 A1     STX aA113

\$A148: 85 80      STA a80  
\$A14A: 86 81      STX a81  
\$A14C: 48          PHA  
\$A14D: 18          CLC  
\$A14E: 71 80      ADC (p80),Y  
\$A150: 8D 1C A1    STA aA11C  
\$A153: 8A          TXA  
\$A154: 69 00      ADC #\$00  
\$A156: 8D 1D A1    STA aA11D  
\$A159: 68          PLA  
\$A15A: C8          INY  
\$A15B: C8          INY  
\$A15C: 18      aA15C CLC  
\$A15D: 71 80      ADC (p80),Y  
\$A15F: 8D 26 A1    STA aA126  
\$A162: 8A          TXA  
\$A163: 69 00      ADC #\$00  
\$A165: 8D 27 A1    STA aA127  
\$A168: A2 00      LDX #\$00  
\$A16A: 20 92 A1    JSR sA192  
\$A16D: 20 92 A1    JSR sA192  
\$A170: A2 0A      LDX #\$0A  
\$A172: 20 92 A1    JSR sA192  
\$A175: 20 92 A1    JSR sA192  
\$A178: A2 14      LDX #\$14

\$A17A: 20 92 A1 JSR sA192

\$A17D: A9 01 LDA #\$01

\$A17F: 8D 1B A1 STA aA11B

\$A182: 8D 25 A1 STA aA125

\$A185: 8D 2F A1 STA aA12F

\$A188: A9 00 LDA #\$00

\$A18A: 8D 11 A1 STA aA111

\$A18D: A9 D4 LDA #\$D4

\$A18F: 85 85 STA a85

\$A191: 60 RTS

\$A192: 18 sA192 CLC

\$A193: BD 12 A1 LDA fA112,X

\$A196: 69 02 ADC #\$02

\$A198: 9D 12 A1 STA fA112,X

\$A19B: 90 03 BCC bA1A0

\$A19D: FE 13 A1 INC aA113,X

\$A1A0: 60 bA1A0 RTS

\$A1A1: AD 11 A1 jA1A1 LDA aA111

\$A1A4: D0 01 BNE bA1A7

\$A1A6: 60 RTS

\$A1A7: CE 1B A1 bA1A7 DEC aA11B

\$A1AA: D0 32 BNE bA1DE

\$A1AC: AD 15 A1      LDA aA115  
\$A1AF: F0 0A      BEQ bA1BB  
\$A1B1: CE 15 A1      DEC aA115  
\$A1B4: A9 FF      LDA #\$FF  
\$A1B6: 8D 1B A1      STA aA11B  
\$A1B9: D0 23      BNE bA1DE  
\$A1BB: A9 12    bA1BB LDA #<fA112  
\$A1BD: 85 82      STA a82  
\$A1BF: A9 A1      LDA #>fA112  
\$A1C1: 85 83      STA a83  
\$A1C3: AD 12 A1      LDA fA112  
\$A1C6: 85 80      STA a80  
\$A1C8: AD 13 A1      LDA aA113  
\$A1CB: 85 81      STA a81  
\$A1CD: A2 00      LDX #\$00  
\$A1CF: 86 84      STX a84  
\$A1D1: 20 4D A2      JSR sA24D  
\$A1D4: A5 80      LDA a80  
\$A1D6: 8D 12 A1      STA fA112  
\$A1D9: A5 81      LDA a81  
\$A1DB: 8D 13 A1      STA aA113  
\$A1DE: CE 25 A1    bA1DE DEC aA125  
\$A1E1: D0 32      BNE bA215  
\$A1E3: AD 1F A1      LDA aA11F  
\$A1E6: F0 08      BEQ bA1F0

fA1E9 =\*+\$01

\$A1E8: CE 1F A1      DEC aA11F

\$A1EB: A9 FF        LDA #\$FF

\$A1ED: 8D 25 A1   fA1ED STA aA125

\$A1F0: D0 23    bA1F0 BNE bA215

\$A1F2: A9 1C        LDA #<aA11C

\$A1F4: 85 82        STA a82

\$A1F6: A9 A1        LDA #>aA11C

\$A1F8: 85 83        STA a83

\$A1FA: AD 1C A1     LDA aA11C

\$A1FD: 85 80        STA a80

fA200 =\*+\$01

\$A1FF: AD 1D A1     LDA aA11D

\$A202: 85 81        STA a81

\$A204: A2 07    fA204 LDX #\$07

\$A206: 86 84        STX a84

\$A208: 20 4D A2     JSR sA24D

\$A20B: A5 80        LDA a80

\$A20D: 8D 1C A1   aA20D STA aA11C

\$A210: A5 81        LDA a81

\$A212: 8D 1D A1     STA aA11D

\$A215: CE 2F A1   bA215 DEC aA12F

\$A218: D0 32        BNE bA24C

\$A21A: AD 29 A1     LDA aA129

\$A21D: F0 0A        BEQ bA229

\$A21F: CE 29 A1      DEC aA129  
\$A222: A9 FF      LDA #\$FF  
\$A224: 8D 2F A1      STA aA12F  
\$A227: D0 23      BNE bA24C  
\$A229: A9 26    bA229 LDA #<aA126  
\$A22B: 85 82      STA a82  
\$A22D: A9 A1      LDA #>aA126  
\$A22F: 85 83      STA a83  
\$A231: AD 26 A1      LDA aA126  
\$A234: 85 80      STA a80  
\$A236: AD 27 A1      LDA aA127  
\$A239: 85 81      STA a81  
\$A23B: A2 0E      LDX #\$0E  
\$A23D: 86 84      STX a84  
\$A23F: 20 4D A2      JSR sA24D  
\$A242: A5 80      LDA a80  
      aA245 =\*+\$01  
\$A244: 8D 26 A1      STA aA126  
\$A247: A5 81      LDA a81  
\$A249: 8D 27 A1      STA aA127  
\$A24C: 60      bA24C RTS  
  
\$A24D: A0 01    sA24D LDY #\$01  
\$A24F: B1 80      LDA (p80),Y  
\$A251: AA      TAX

\$A252: 88           DEY

\$A253: B1 80        LDA (p80),Y

\$A255: 10 03        BPL bA25A

\$A257: 4C 40 A3     JMP jA340

  

\$A25A: D0 0F    bA25A BNE bA26B

\$A25C: 8A        TXA

\$A25D: A0 09     LDY #\$09

\$A25F: 91 82    jA25F STA (p82),Y

\$A261: A0 04     LDY #\$04

\$A263: A9 00     LDA #\$00

\$A265: 91 84     STA (p84),Y

\$A267: 20 67 A3    JSR sA367

\$A26A: 60        RTS

  

\$A26B: C9 01    bA26B CMP #\$01

\$A26D: D0 0D     BNE bA27C

\$A26F: 8A        TXA

\$A270: 8D 18 D4    STA \$D418 ;Select Filter Mode and Volume

\$A273: 8D 30 A1    STA aA130

\$A276: 20 67 A3    JSR sA367

\$A279: 4C 4D A2    JMP sA24D

  

\$A27C: C9 02    bA27C CMP #\$02

\$A27E: D0 06     BNE bA286

\$A280: 8A TXA  
\$A281: A0 05 LDY #05  
\$A283: 4C 37 A3 JMP jA337  
  
\$A286: C9 03 bA286 CMP #03  
\$A288: D0 0A BNE bA294  
\$A28A: 8A TXA  
\$A28B: A0 07 LDY #07  
\$A28D: 91 82 STA (p82),Y  
\$A28F: A0 04 LDY #04  
\$A291: 4C 37 A3 JMP jA337  
  
\$A294: C9 04 bA294 CMP #04  
\$A296: D0 06 BNE bA29E  
\$A298: 8A TXA  
\$A299: A0 03 LDY #03  
\$A29B: 4C 37 A3 JMP jA337  
  
\$A29E: C9 0A bA29E CMP #0A  
\$A2A0: D0 06 fA2A0 BNE bA2A8  
\$A2A2: 8A TXA  
\$A2A3: A0 06 LDY #06  
\$A2A5: 4C 37 A3 JMP jA337  
  
\$A2A8: C9 19 bA2A8 CMP #19



\$A2AA: D0 0F      BNE bA2BB  
\$A2AC: A0 09      LDY #\$09  
\$A2AE: A9 00      LDA #\$00  
\$A2B0: 91 82      STA (p82),Y  
\$A2B2: 8A          TXA  
\$A2B3: 38          SEC  
\$A2B4: E9 01      SBC #\$01  
\$A2B6: A0 03      LDY #\$03  
\$A2B8: 4C 5F A2    JMP jA25F

\$A2BB: C9 1E    bA2BB    CMP #\$1E  
\$A2BD: D0 12      BNE bA2D1  
\$A2BF: A9 00      LDA #\$00  
\$A2C1: A0 04      LDY #\$04  
\$A2C3: 91 84      STA (p84),Y  
\$A2C5: A0 0B      LDY #\$0B  
\$A2C7: 91 84      STA (p84),Y  
\$A2C9: A0 12      LDY #\$12  
\$A2CB: 91 84      STA (p84),Y  
\$A2CD: 8D 11 A1    STA aA111  
\$A2D0: 60          RTS

\$A2D1: C9 11    bA2D1    CMP #\$11  
\$A2D3: D0 19      BNE bA2EE  
\$A2D5: 20 67 A3    JSR sA367

\$A2D8: A5 80      LDA a80  
\$A2DA: A0 04      LDY #\$04  
\$A2DC: 91 82      STA (p82),Y  
\$A2DE: C8          INY  
\$A2DF: A5 81      LDA a81  
\$A2E1: 91 82      STA (p82),Y  
\$A2E3: A0 08      LDY #\$08  
\$A2E5: B1 82      LDA (p82),Y  
\$A2E7: 09 80      ORA #\$80  
\$A2E9: 91 82      STA (p82),Y  
\$A2EB: 4C 4D A2     JMP sA24D

\$A2EE: C9 10    bA2EE    CMP #\$10  
\$A2F0: D0 2F      BNE bA321  
\$A2F2: A0 08      LDY #\$08  
\$A2F4: B1 82      LDA (p82),Y  
\$A2F6: 10 0A      BPL bA302  
\$A2F8: 29 7F      AND #\$7F  
\$A2FA: 91 82      STA (p82),Y  
\$A2FC: 8A          TXA  
\$A2FD: A0 06      LDY #\$06  
\$A2FF: 4C 06 A3     JMP jA306

\$A302: A0 06    bA302    LDY #\$06  
\$A304: B1 82      LDA (p82),Y

\$A306: 38      jA306 SEC

\$A307: E9 01      SBC #\$01

\$A309: 91 82      STA (p82),Y

\$A30B: F0 0E      BEQ bA31B

\$A30D: A0 04      LDY #\$04

\$A30F: B1 82      LDA (p82),Y

\$A311: 85 80      STA a80

\$A313: C8          INY

\$A314: B1 82      LDA (p82),Y

\$A316: 85 81      STA a81

\$A318: 4C 4D A2      JMP sA24D

\$A31B: 20 67 A3    bA31B JSR sA367

\$A31E: 4C 4D A2      JMP sA24D

\$A321: C9 1B    bA321 CMP #\$1B

\$A323: D0 0B      BNE bA330

\$A325: 18          CLC

\$A326: 8A          TXA

\$A327: 6D 30 A1      ADC aA130

\$A32A: 8D 18 D4      STA \$D418 ;Select Filter Mode and Volume

\$A32D: 8D 30 A1      STA aA130

\$A330: 20 67 A3    bA330 JSR sA367

\$A333: 4C 4D A2      JMP sA24D

\$A336: 60            RTS

\$A337: 91 84    jA337 STA (p84),Y

\$A339: 20 67 A3        JSR sA367

\$A33C: 4C 4D A2        JMP sA24D

\$A33F: 60            RTS

\$A340: 0A        jA340 ASL

\$A341: AA            TAX

\$A342: BD 73 A3        LDA fA373,X

\$A345: 91 84        STA (p84),Y

\$A347: BD 74 A3        LDA fA374,X

\$A34A: C8            INY

\$A34B: 91 84        STA (p84),Y

\$A34D: A0 01        LDY #\$01

\$A34F: B1 80        LDA (p80),Y

\$A351: A0 09        LDY #\$09

\$A353: 91 82        STA (p82),Y

\$A355: A9 00        LDA #\$00

\$A357: A0 04        LDY #\$04

\$A359: 91 84        STA (p84),Y

\$A35B: A0 07        LDY #\$07

\$A35D: B1 82        LDA (p82),Y

\$A35F: A0 04        LDY #\$04

\$A361: 91 84 STA (p84),Y

\$A363: 20 67 A3 JSR sA367

\$A366: 60 RTS

\$A367: A5 80 sA367 LDA a80

\$A369: 18 CLC

\$A36A: 69 02 ADC #02

\$A36C: 85 80 STA a80

\$A36E: 90 02 BCC bA372

\$A370: E6 81 INC a81

\$A372: 60 bA372 RTS

fA374 =\*+\$01

\$A373: 0C 01 1C fA373 NOP a1C01

\$A376: 01 2D ORA (p2D,X)

\$A378: 01 3E ORA (p3E,X)

\$A37A: 01 51 ORA (p51,X)

\$A37C: 01 66 ORA (p66,X)

\$A37E: 01 7B ORA (p7B,X)

\$A380: 01 91 ORA (p91,X)

\$A382: 01 A9 ORA (pA9,X)

\$A384: 01 C3 ORA (pC3,X)

\$A386: 01 DD ORA (pDD,X)

\$A388: 01 FA ORA (pFA,X)

\$A38A: 01 18 ORA (p18,X)

\$A38C: 02 JAM  
\$A38D: 38 SEC  
\$A38E: 02 JAM  
\$A38F: 5A NOP  
\$A390: 02 JAM  
\$A391: 7D 02 A3 ADC bA302,X  
\$A394: 02 JAM  
\$A395: CC 02 F6 CPY aF602  
\$A398: 02 JAM  
\$A399: 23 03 RLA (p03,X)  
\$A39B: 53 03 SRE (p03),Y  
\$A39D: 86 03 STX a03  
\$A39F: E3 03 ISC (p03,X)  
\$A3A1: F4 03 NOP f03,X  
\$A3A3: 30 04 BMI bA3A9  
\$A3A5: 70 04 BVS bA3AB  
\$A3A7: B4 04 LDY f04,X

bA3AB =\*+\$02

\$A3A9: FB 04 47 bA3A9 ISC f4704,Y  
\$A3AC: 05 98 ORA a98  
\$A3AE: 05 ED ORA aED  
\$A3B0: 05 47 ORA a47  
\$A3B2: 06 A7 ASL aA7  
\$A3B4: 06 0C ASL a0C  
\$A3B6: 07 77 SLO a77

\$A3B8: 07 E9        SLO aE9  
\$A3BA: 07 61        SLO a61  
\$A3BC: 08            PHP  
                  aA3BE =\*+\$01  
\$A3BD: E1 08        SBC (p08,X)  
\$A3BF: 68            PLA  
\$A3C0: 09 F7    aA3C0 ORA #F7  
\$A3C2: 09 8F        ORA #8F  
\$A3C4: 0A            ASL  
\$A3C5: 30 0B        BMI bA3D2  
\$A3C7: DA            NOP  
\$A3C8: 0B 8F        ANC #8F  
\$A3CA: 0C 4E 0D     NOP a0D4E  
\$A3CD: 18            CLC  
\$A3CE: 0E EF 0E     ASL a0EEF  
\$A3D1: D2            JAM  
\$A3D2: 0F C3 10    bA3D2 SLO a10C3  
\$A3D5: C3 11        DCP (p11,X)  
\$A3D7: D1 12        CMP (p12),Y  
\$A3D9: EF 13 1F     ISC a1F13  
\$A3DC: 15 60        ORA f60,X  
\$A3DE: 16 B5        ASL fB5,X  
\$A3E0: 17 1E        SLO f1E,X  
\$A3E2: 19 9C 1A     ORA f1A9C,Y  
\$A3E5: 31 1C        AND (p1C),Y

\$A3E7: DF 1D A5	DCP fA51D,X
\$A3EA: 1F 87 21	SLO f2187,X
\$A3ED: 86 23	STX a23
\$A3EF: A2 25	LDX #\$25
\$A3F1: DF 27 3E	DCP f3E27,X
\$A3F4: 2A	ROL
\$A3F5: C1 2C	CMP (p2C,X)
\$A3F7: 6B 2F	ARR #\$2F
\$A3F9: 3C 32 39	NOP f3932,X
\$A3FC: 35 63	AND f63,X
\$A3FE: 38	SEC
\$A3FF: BE 3B 4B	LDX f4B3B,Y
\$A402: 3F 0F 43	RLA f430F,X
\$A405: 0C 47 45	NOP a4547
\$A408: 4B BF	ALR #\$BF
\$A40A: 4F 7D 54	SRE a547D
\$A40D: 83 59	SAX (p59,X)
\$A40F: D6 5E	DEC f5E,X
\$A411: 79 64 73	ADC f7364,Y
\$A414: 6A	ROR
\$A415: C7 70	DCP a70
\$A417: 7C 77 97	NOP f9777,X
\$A41A: 7E 1E 86	ROR f861E,X
\$A41D: 18	CLC
\$A41E: 8E 8A 96	STX a968A



\$A421: 7E 9F FA	ROR fFA9F,X
\$A424: A8	TAY
\$A425: 06 B3	ASL aB3
\$A427: AC BD F3	LDY aF3BD
\$A42A: C8	INY
\$A42B: E6 D4	INC aD4
\$A42D: 8F E1 F8	SAX aF8E1
\$A430: EE 2E FD	INC aFD2E
\$A433: AD 0C A5	sA433 LDA aA50C
\$A436: C9 06	CMP #06
\$A438: B0 2A	BCS bA464
\$A43A: C9 04	CMP #04
\$A43C: F0 26	BEQ bA464
\$A43E: 0A	ASL
\$A43F: 0A	ASL
\$A440: 0A	ASL
\$A441: 0A	ASL
\$A442: 09 80	ORA #80
\$A444: 8D 4A A4	STA aA44A
\$A447: A0 0F	LDY #0F
	aA44A =*+\$01
\$A449: B9 80 65	bA449 LDA f6580,Y
\$A44C: 99 70 49	STA f4970,Y
\$A44F: 99 70 51	STA f5170,Y
\$A452: 99 70 59	STA f5970,Y

\$A455: 88 DEY  
\$A456: 10 F1 BPL bA449  
\$A458: AD 0C A5 LDA aA50C  
\$A45B: 18 CLC  
\$A45C: 69 19 ADC #S19  
\$A45E: 8D 0C A5 STA aA50C  
\$A461: 20 B2 A4 JSR sA4B2  
\$A464: 60 bA464 RTS

\$A465: AD AD 99 sA465 LDA a99AD  
\$A468: C9 76 CMP #S76  
\$A46A: B0 43 BCS bA4AF  
\$A46C: AD AE 99 LDA a99AE  
\$A46F: C9 08 CMP #S08  
\$A471: 90 3C BCC bA4AF  
\$A473: 4A LSR  
\$A474: 4A LSR  
\$A475: 4A LSR  
\$A476: 29 0C AND #S0C  
\$A478: 18 CLC  
\$A479: 69 04 ADC #S04  
\$A47B: 8D B0 A4 STA aA4B0  
\$A47E: 20 0F A5 bA47E JSR sA50F  
\$A481: 29 0F AND #S0F  
\$A483: F0 F9 BEQ bA47E

\$A485: CD B0 A4      CMP aA4B0  
\$A488: F0 02        BEQ bA48C  
\$A48A: B0 F2        BCS bA47E  
\$A48C: 8D 65 82    bA48C STA a8265  
\$A48F: A0 14    bA48F LDY #A14  
\$A491: AD 65 82      LDA a8265  
\$A494: 29 03        AND #A03  
\$A496: D0 02        BNE bA49A  
\$A498: A0 15    fA498 LDY #A15  
\$A49A: 20 0F A5    bA49A JSR sA50F  
\$A49D: CD B1 A4      CMP aA4B1  
\$A4A0: B0 02        BCS sA4A4  
\$A4A2: A0 31        LDY #A31  
\$A4A4: 8C 0C A5    sA4A4 STY aA50C  
\$A4A7: 20 B2 A4      JSR sA4B2  
\$A4AA: CE 65 82      DEC a8265  
\$A4AD: D0 E0        BNE bA48F  
\$A4AF: 60        bA4AF RTS

    aA4B1 =\*+A01

\$A4B0: 00 19    aA4B0 BRK #A19  
\$A4B2: A9 00    sA4B2 LDA #A00  
\$A4B4: 8D D0 C0      STA aC0D0  
\$A4B7: 20 0F A5      JSR sA50F  
\$A4BA: 29 7C        AND #A7C

\$A4BC: 8D 4E BF	STA aBF4E
\$A4BF: 20 0F A5	JSR sA50F
\$A4C2: 29 7C	AND #\$7C
\$A4C4: 8D 4D BF	STA aBF4D
\$A4C7: 20 9E BE	JSR sBE9E
\$A4CA: 20 F9 BE	JSR sBEF9
\$A4CD: D0 E3	BNE sA4B2
\$A4CF: AD 0C A5	LDA aA50C
\$A4D2: 0A	ASL
\$A4D3: 0A	ASL
\$A4D4: 85 FB	STA aFB
\$A4D6: 85 FD	STA aFD
\$A4D8: A9 F4	LDA #\$F4
\$A4DA: 85 FC	STA aFC
\$A4DC: 09 02	ORA #\$02
\$A4DE: 85 FE	STA aFE
\$A4E0: 20 B2 CB	JSR sCBB2
\$A4E3: 20 21 CC	JSR sCC21
\$A4E6: AD 4D BF	LDA aBF4D
\$A4E9: 4A	LSR
\$A4EA: 4A	LSR
\$A4EB: 8D 64 82	STA a8264
\$A4EE: AD 4E BF	LDA aBF4E
\$A4F1: 4A	LSR
\$A4F2: 4A	LSR

\$A4F3: A8 TAY  
\$A4F4: B9 70 8E LDA f8E70,Y  
\$A4F7: 0D 64 82 ORA a8264  
\$A4FA: 85 8E STA a8E  
\$A4FC: B9 90 8E LDA f8E90,Y  
\$A4FF: 85 8F STA a8F  
\$A501: A0 00 LDY #00  
\$A503: 8C 20 D0 STY \$D020 ;Border Color  
\$A506: AD 0C A5 LDA aA50C  
\$A509: 91 8E STA (p8E),Y  
\$A50B: 60 RTS

\$A50C: FF 00 00 aA50C ISC e0000,X

\$A50F: 98 sA50F TYA  
\$A510: 48 PHA  
\$A511: 8A TXA  
\$A512: 48 PHA  
\$A513: 18 CLC  
\$A514: A0 29 LDY #29  
\$A516: A2 FC LDX #FC  
\$A518: 98 bA518 TYA  
\$A519: B4 2A LDY f2A,X  
\$A51B: 75 2A ADC f2A,X  
\$A51D: 95 2A fA51D STA f2A,X  
\$A51F: E8 INX

\$A520: D0 F6      BNE bA518

\$A522: 68          PLA

\$A523: AA          TAX

\$A524: 68          PLA

\$A525: A8          TAY

\$A526: A5 26      LDA a26

\$A528: 60          RTS

\$A529: A9 FF      sA529 LDA #\$FF

\$A52B: 8D 0C A5    STA aA50C

\$A52E: AD AD 99    LDA a99AD

\$A531: C9 08      CMP #\$08

\$A533: 90 16      BCC bA54B

\$A535: 20 0F A5    JSR sA50F

\$A538: 29 0F      AND #\$0F

\$A53A: 8D 0C A5    STA aA50C

\$A53D: C9 06      CMP #\$06

\$A53F: B0 0A      BCS bA54B

\$A541: A2 02      LDX #\$02

    fA545 =\*+\$02

\$A543: 20 D2 B0    JSR sB0D2

\$A546: 20 E7 B0    JSR sB0E7

    bA54B =\*+\$02

\$A549: 4C A5 60    JMP j60A5

\$A54C: 16 01 ASL f01,X

\$A54E: 46 49 LSR a49

\$A550: 4E 44 20 LSR a2044

\$A553: 54 48 NOP f48,X

\$A555: 45 20 EOR a20

\$A557: 48 PHA

\$A558: 49 44 EOR #\$44

\$A55A: 44 45 NOP a45

\$A55C: 4E 20 50 LSR a5020

\$A55F: 4F 54 49 SRE a4954

sA564 =\*+s02

\$A562: 4F 4E EE SRE aEE4E

\$A565: 3E B7 20 ROL f20B7,X

\$A568: AF BA AD LAX fADBA

\$A56B: 20 91 0D JSR s0D91

\$A56E: 21 91 AND (p91,X)

\$A570: 0D 1E 91 ORA a911E

\$A573: 0D 1F 91 ORA a911F

\$A576: F0 01 BEQ bA579

\$A578: 60 RTS

\$A579: 68 bA579 PLA

\$A57A: 68 PLA

\$A57B: 4C 91 80 JMP j8091

\$A57E: A9 00    sA57E LDA # \$00  
\$A580: 8D 20 D0    STA \$D020 ;Border Color  
\$A583: 85 02    STA a02  
\$A585: 8D 42 B7    STA fB742  
\$A588: 8D 43 B7    STA aB743  
\$A58B: 8D 44 B7    STA fB744  
\$A58E: 8D 45 B7    STA aB745  
\$A591: 8D 4C B7    STA fB74C  
\$A594: 8D 4D B7    STA aB74D  
\$A597: 8D 33 A9    STA aA933  
\$A59A: 8D 34 A9    STA aA934  
\$A59D: 8D 35 A9    STA aA935  
\$A5A0: 8D 36 A9    STA aA936  
\$A5A3: 8D 20 91    STA a9120  
\$A5A6: 8D 21 91    STA a9121  
\$A5A9: 8D 0E BA    STA fBA0E  
\$A5AC: 8D 0F BA    STA aBA0F  
\$A5AF: 8D 08 BA    STA aBA08  
\$A5B2: 8D 09 BA    STA aBA09  
\$A5B5: 8D 0A BA    STA aBA0A  
\$A5B8: 8D 0B BA    STA aBA0B  
\$A5BB: 8D 0C BA    STA aBA0C  
\$A5BE: 8D 0D BA    STA aBA0D  
\$A5C1: 8D 39 B7    STA aB739  
\$A5C4: 8D 04 91    STA f9104



\$A5C7: 8D 05 91      STA a9105  
\$A5CA: AD 06 91      LDA f9106  
\$A5CD: 8D 07 91      STA a9107  
\$A5D0: 8D 00 91      STA f9100  
\$A5D3: 8D 01 91      STA a9101  
\$A5D6: 8D 02 91      STA f9102  
\$A5D9: 8D 03 91      STA a9103  
\$A5DC: A9 1E          LDA #\$1E  
\$A5DE: 8D 3A B7      STA aB73A  
\$A5E1: A9 20          LDA #\$20  
\$A5E3: 8D 10 BA      STA fBA10  
\$A5E6: 8D 11 BA      STA aBA11  
\$A5E9: A9 0F          LDA #\$0F  
\$A5EB: 8D 4A B7      STA aB74A  
\$A5EE: 8D 4B B7      STA aB74B  
\$A5F1: 60             RTS  
  
\$A5F2: 20 AB 84      sA5F2 JSR s84AB  
\$A5F5: 20 E0 84          JSR s84E0  
\$A5F8: A2 01      jA5F8 LDX #\$01  
\$A5FA: BD B0 8E      bA5FA LDA a8EB0,X  
\$A5FD: 29 10          AND #\$10  
\$A5FF: F0 06          BEQ bA607  
\$A601: CA             DEX  
\$A602: 10 F6          BPL bA5FA

\$A604: 4C F8 A5      JMP jA5F8

\$A607: AD 12 D0    bA607 LDA \$D012 ;Raster Position

\$A60A: 85 26      STA a26

\$A60C: A9 01      LDA #\$01

\$A60E: 9D 20 91      STA a9120,X

\$A611: 8A        TXA

\$A612: 9D 22 91      STA f9122,X

\$A615: AD 0F 91      LDA a910F

\$A618: 0A        ASL

\$A619: 0A        ASL

\$A61A: 0A        ASL

\$A61B: 9D 04 91      STA f9104,X

\$A61E: 38        SEC

\$A61F: ED 6F 82      SBC a826F

\$A622: 9D 00 91      STA f9100,X

\$A625: AD 10 91      LDA a9110

\$A628: 0A        ASL

\$A629: 0A        ASL

\$A62A: 0A        ASL

\$A62B: 9D 06 91      STA f9106,X

\$A62E: 38        SEC

\$A62F: ED 70 82      SBC a8270

\$A632: 9D 02 91      STA f9102,X

\$A635: 20 E7 A0      JSR sA0E7

\$A638: 20 FB A6 JSR sA6FB  
\$A63B: 60 RTS  
  
\$A63C: AD 20 91 sA63C LDA a9120  
\$A63F: 0D 21 91 ORA a9121  
\$A642: F0 11 BEQ bA655  
\$A644: A2 01 LDX #\$01  
\$A646: BD 20 91 bA646 LDA a9120,X  
\$A649: D0 07 BNE bA652  
\$A64B: BD B0 8E LDA a8EB0,X  
\$A64E: 29 10 AND #\$10  
\$A650: F0 04 BEQ jA656  
\$A652: CA bA652 DEX  
\$A653: 10 F1 BPL bA646  
\$A655: 60 bA655 RTS  
  
\$A656: A9 0F jA656 LDA #\$0F  
\$A658: 8D 4A B7 STA aB74A  
\$A65B: 8D 4B B7 STA aB74B  
\$A65E: 20 AE A6 JSR sA6AE  
\$A661: 90 0D BCC bA670  
\$A663: A9 00 LDA #\$00  
\$A665: 8D 4A B7 STA aB74A  
\$A668: 8D 4B B7 STA aB74B  
\$A66B: A9 0D LDA #\$0D

\$A66D: 4C BA CE      JMP sCEBA

\$A670: AD 79 B3    bA670 LDA aB379

\$A673: 29 F8      AND #F8

\$A675: 9D 04 91      STA f9104,X

\$A678: 38      SEC

\$A679: ED 6F 82      SBC a826F

\$A67C: 9D 00 91      STA f9100,X

\$A67F: AD 7A B3      LDA aB37A

\$A682: 29 F8      AND #F8

\$A684: 9D 06 91      STA f9106,X

\$A687: 38      SEC

\$A688: ED 70 82      SBC a8270

\$A68B: 9D 02 91      STA f9102,X

\$A68E: A9 01      LDA #01

\$A690: 9D 20 91      STA a9120,X

\$A693: 8A      TXA

\$A694: 49 01      EOR #01

\$A696: 9D 22 91      STA f9122,X

\$A699: A8      TAY

\$A69A: 49 01      EOR #01

\$A69C: 99 22 91      STA f9122,Y

\$A69F: 20 FB A6      JSR sA6FB

\$A6A2: 20 3A 84      JSR s843A

\$A6A5: A9 00      LDA #00

\$A6A7: 8D 4A B7 STA aB74A

\$A6AA: 8D 4B B7 STA aB74B

\$A6AD: 60 RTS

\$A6AE: 8A sA6AE TXA

\$A6AF: 49 01 EOR #S01

\$A6B1: AA TAX

\$A6B2: A0 03 LDY #S03

\$A6B4: 8C 53 82 bA6B4 STY a8253

\$A6B7: 20 C8 A6 JSR sA6C8

\$A6BA: 90 07 BCC bA6C3

\$A6BC: AC 53 82 LDY a8253

\$A6BF: 88 DEY

\$A6C0: 10 F2 BPL bA6B4

\$A6C2: 38 SEC

\$A6C3: 8A bA6C3 TXA

\$A6C4: 49 01 EOR #S01

\$A6C6: AA TAX

\$A6C7: 60 RTS

\$A6C8: BD 04 91 sA6C8 LDA f9104,X

\$A6CB: 18 CLC

\$A6CC: 79 F7 A6 ADC fA6F7,Y

\$A6CF: 8D 79 B3 STA aB379

\$A6D2: 4A LSR

\$A6D3: 4A LSR  
\$A6D4: 4A LSR  
\$A6D5: 48 PHA  
\$A6D6: BD 06 91 LDA f9106,X  
\$A6D9: 18 CLC  
\$A6DA: 79 F6 A6 ADC fA6F6,Y  
\$A6DD: 8D 7A B3 STA aB37A  
\$A6E0: 4A LSR  
\$A6E1: 4A LSR  
\$A6E2: 4A LSR  
\$A6E3: A8 TAY  
\$A6E4: 68 PLA  
\$A6E5: 19 70 8E ORA f8E70,Y  
\$A6E8: 85 8E STA a8E  
\$A6EA: B9 90 8E LDA f8E90,Y  
\$A6ED: 85 8F STA a8F  
\$A6EF: A0 00 LDY # \$00  
\$A6F1: B1 8E LDA (p8E),Y  
\$A6F3: C9 01 CMP # \$01  
\$A6F5: 60 RTS

fA6F7 =\*+\$01

\$A6F6: 00 08 fA6F6 BRK # \$08

\$A6F8: 00 F8 BRK # \$F8

sA6FB =\*+\$01

\$A6FA: 00 BD BRK #\$BD  
\$A6FC: 04 91 NOP a91  
\$A6FE: 8D 08 91 STA a9108  
\$A701: BD 06 91 LDA f9106,X  
\$A704: 8D 09 91 STA a9109  
\$A707: 20 F5 96 JSR s96F5  
\$A70A: 20 9A 97 JSR s979A  
\$A70D: 60 RTS  
  
\$A70E: A2 01 sA70E LDX #\$01  
\$A710: BD 20 91 bA710 LDA a9120,X  
\$A713: D0 4C BNE bA761  
\$A715: EE 3E B7 INC aB73E  
\$A718: BD 1E 91 LDA a911E,X  
\$A71B: F0 44 BEQ bA761  
\$A71D: A9 00 LDA #\$00  
\$A71F: 9D 0E BA STA fBA0E,X  
\$A722: 9D 10 BA STA fBA10,X  
\$A725: A9 10 LDA #\$10  
\$A727: BC 36 83 LDY f8336,X  
\$A72A: 99 7E 43 STA f437E,Y  
\$A72D: 99 7F 43 STA f437F,Y  
\$A730: 99 80 43 STA f4380,Y  
\$A733: 99 81 43 STA f4381,Y  
\$A736: DE 1E 91 DEC a911E,X

\$A739: D0 26      BNE bA761  
\$A73B: 8A        TXA  
\$A73C: 48        PHA  
\$A73D: A9 00     LDA #\$00  
\$A73F: 9D EB C4   STA aC4EB,X  
\$A742: 9D 0E BA   STA fBA0E,X  
\$A745: 9D 08 BA   STA aBA08,X  
\$A748: 9D 0A BA   STA aBA0A,X  
\$A74B: 9D 0C BA   STA aBA0C,X  
\$A74E: A9 20     LDA #\$20  
\$A750: 9D 10 BA   STA fBA10,X  
\$A753: EE 3E B7   INC aB73E  
\$A756: 20 E7 A0   JSR sA0E7  
\$A759: 20 AB 84   JSR s84AB  
\$A75C: 20 E0 84   JSR s84E0  
\$A75F: 68        PLA  
\$A760: AA        TAX  
\$A761: CA      bA761 DEX  
\$A762: 10 AC     BPL bA710  
\$A764: 60        RTS  
  
\$A765: A2 00    sA765 LDX #\$00  
\$A767: 20 D2 B0   JSR sB0D2  
\$A76A: 20 E7 B0   JSR sB0E7  
\$A76D: A0 A7     LDY #\$A7



\$A76F: 20 4F B1	JSR sB14F
\$A772: 20 E7 B0	JSR sB0E7
\$A775: C0 A7	CPY #A7
\$A777: 20 4F B1	JSR sB14F
\$A77A: 20 E7 B0	JSR sB0E7
\$A77D: DA	NOP
\$A77E: A7 A5	LAX aA5
\$A780: 01 29	ORA (p29,X)
\$A782: DF 85 01	DCP f0185,X
\$A785: AD 01 DC	bA785 LDA \$DC01 ;CIA1: Data Port Register B
\$A788: 29 10	AND #\$10
\$A78A: D0 F9	BNE bA785
\$A78C: AD 01 DC	bA78C LDA \$DC01 ;CIA1: Data Port Register B
\$A78F: 29 10	AND #\$10
\$A791: F0 F9	BEQ bA78C
\$A793: A5 01	LDA a01
\$A795: 09 20	ORA #\$20
\$A797: 85 01	STA a01
\$A799: 20 44 B0	JSR sB044
\$A79C: 20 24 B0	JSR sB024
\$A79F: 60	RTS
\$A7A0: 1E 01 20	ASL f2001,X
\$A7A3: 20 20 20	JSR a2020
\$A7A6: 20 20 20	JSR a2020

\$A7A9: 20 20 20 JSR a2020

jA7AE =\*+\$02

\$A7AC: 20 20 20 JSR a2020

\$A7AF: 20 20 20 JSR a2020

\$A7B2: 20 20 20 JSR a2020

\$A7B5: 20 20 20 JSR a2020

\$A7B8: 20 20 20 JSR a2020

\$A7BB: 20 20 20 JSR a2020

fA7BF =\*+\$01

\$A7BE: 20 20 18 JSR s1820

\$A7C1: 01 20 ORA (p20,X)

\$A7C3: 20 20 20 JSR a2020

\$A7C6: 20 50 52 JSR s5250

\$A7C9: 45 53 EOR a53

\$A7CB: 53 20 SRE (p20),Y

\$A7CD: 53 50 SRE (p50),Y

\$A7CF: 41 43 EOR (p43,X)

\$A7D1: 45 42 EOR a42

\$A7D3: 41 52 EOR (p52,X)

\$A7D5: 20 20 20 JSR a2020

\$A7D8: 20 20 10 JSR s1020

\$A7DB: 01 54 ORA (p54,X)

\$A7DD: 4F 20 43 SRE a4320

\$A7E0: 4F 4E 54 SRE a544E

\$A7E3: 49 4E EOR #\$4E

\$A7E5: 55 45        EOR f45,X  
\$A7E7: 20 47 41        JSR s4147  
                  sA7EC =\*+\$02  
\$A7EA: 4D 45 A2        EOR aA245  
\$A7ED: 03 20        SLO (p20,X)  
\$A7EF: F7 A7        ISC fA7,X  
\$A7F1: A2 02        LDX # \$02  
\$A7F3: 20 F7 A7        JSR sA7F7  
\$A7F6: 60        RTS  
  
\$A7F7: BD 33 A9    sA7F7 LDA aA933,X  
\$A7FA: D0 4A        BNE bA846  
\$A7FC: BD 1E 91        LDA a911E,X  
\$A7FF: F0 45        BEQ bA846  
\$A801: C9 04        CMP # \$04  
\$A803: B0 41        BCS bA846  
\$A805: BD AE 8E        LDA f8EAE,X  
\$A808: C9 10        CMP # \$10  
\$A80A: B0 3A        BCS bA846  
\$A80C: 29 0F        AND # \$0F  
\$A80E: A8        TAY  
\$A80F: B9 2E 91        LDA f912E,Y  
\$A812: 10 03        BPL bA817  
\$A814: BD 24 91        LDA f9124,X  
\$A817: 9D 37 A9    bA817 STA fA937,X

\$A81A: A8           TAY  
\$A81B: 1D 57 A9       ORA fA957,X  
\$A81E: 9D 56 91       STA f9156,X  
\$A821: BD 02 91       LDA f9102,X  
\$A824: 9D 3B A9       STA fA93B,X  
\$A827: BD 04 91       LDA f9104,X  
\$A82A: 9D 3F A9       STA fA93F,X  
\$A82D: BC 1A 91       LDY f911A,X  
\$A830: C8            INY  
\$A831: 98            TYA  
\$A832: 9D 33 A9       STA aA933,X  
\$A835: 20 FA A8       JSR sA8FA  
\$A838: A9 04         LDA #\$04  
\$A83A: 20 BA CE       JSR sCEBA  
\$A83D: AC 39 B7       LDY aB739  
\$A840: B9 3B B7       LDA aB73B,Y  
\$A843: 8D 3A B7       STA aB73A  
\$A846: 60       bA846   RTS  
  
\$A847: A2 03    sA847   LDX #\$03  
\$A849: BD 33 A9   bA849   LDA aA933,X  
\$A84C: 30 49        BMI bA897  
\$A84E: F0 43        BEQ bA893  
\$A850: C9 06        CMP #\$06  
\$A852: D0 06        BNE bA85A

\$A854: 20 9E A8 JSR sA89E  
\$A857: 4C 93 A8 JMP bA893  
  
\$A85A: BC 37 A9 bA85A LDY fA937,X  
\$A85D: C9 01 CMP #\$01  
\$A85F: D0 16 BNE jA877  
\$A861: AD 50 82 LDA a8250  
\$A864: 29 03 AND #\$03  
\$A866: D0 0F BNE jA877  
\$A868: BD 56 91 LDA f9156,X  
\$A86B: 18 CLC  
\$A86C: 79 5B A9 ADC fA95B,Y  
\$A86F: 29 07 AND #\$07  
\$A871: 1D 57 A9 ORA fA957,X  
\$A874: 9D 56 91 STA f9156,X  
\$A877: 98 jA877 TYA  
\$A878: 1D A1 AD ORA fADA1,X  
\$A87B: A8 TAY  
\$A87C: BD 3B A9 LDA fA93B,X  
\$A87F: 18 CLC  
\$A880: 79 5F BF ADC fBF5F,Y  
\$A883: 9D 3B A9 STA fA93B,X  
\$A886: BD 3F A9 LDA fA93F,X  
\$A889: 18 CLC  
\$A88A: 79 4F BF ADC fBF4F,Y

\$A88D: 9D 3F A9 STA fA93F,X

\$A890: 20 FA A8 JSR sA8FA

\$A893: CA bA893 DEX

\$A894: 10 B3 BPL bA849

\$A896: 60 RTS

\$A897: 20 0D AA bA897 JSR sAA0D

\$A89A: CA DEX

\$A89B: 10 AC BPL bA849

\$A89D: 60 RTS

\$A89E: AD 50 82 sA89E LDA a8250

\$A8A1: 29 03 AND #03

\$A8A3: D0 1F BNE bA8C4

\$A8A5: BD 3B A9 LDA fA93B,X

\$A8A8: 38 SEC

fA8AB =\*+\$02

\$A8A9: FD CA AC SBC fACCA,X

\$A8AC: 9D 3B A9 STA fA93B,X

\$A8AF: BD 3F A9 LDA fA93F,X

\$A8B2: 38 SEC

\$A8B3: FD CC AC SBC fACCC,X

\$A8B6: 9D 3F A9 STA fA93F,X

\$A8B9: 20 FA A8 JSR sA8FA

\$A8BC: DE C6 AC DEC fACC6,X

\$A8BF: D0 04        BNE bA8C5  
\$A8C1: 20 0D AA        JSR sAA0D  
\$A8C4: 60        bA8C4 RTS  
  
\$A8C5: BD C6 AC    bA8C5 LDA fACC6,X  
\$A8C8: DD C8 AC        CMP fACC8,X  
\$A8CB: 90 18        BCC bA8E5  
\$A8CD: AD 50 82        LDA a8250  
\$A8D0: 29 04        AND # \$04  
\$A8D2: D0 0A        BNE bA8DE  
\$A8D4: BD 56 91        LDA f9156,X  
\$A8D7: C9 AF        CMP # \$AF  
\$A8D9: F0 03        BEQ bA8DE  
\$A8DB: FE 56 91        INC f9156,X  
\$A8DE: DE 3F A9    bA8DE DEC fA93F,X  
\$A8E1: DE 3F A9        DEC fA93F,X  
\$A8E4: 60        RTS  
  
\$A8E5: BD C6 AC    bA8E5 LDA fACC6,X  
\$A8E8: C9 06        CMP # \$06  
\$A8EA: B0 07        BCS bA8F3  
\$A8EC: 4A        LSR  
\$A8ED: 18        CLC  
fA8EF =\*+\$01  
\$A8EE: 69 AD        ADC # \$AD

\$A8F0: 9D 56 91 STA f9156,X  
\$A8F3: FE 3F A9 bA8F3 INC fA93F,X  
\$A8F6: FE 3F A9 INC fA93F,X  
\$A8F9: 60 RTS  
  
\$A8FA: BD 3B A9 sA8FA LDA fA93B,X  
\$A8FD: 38 SEC  
fA900 =\*+\$02  
\$A8FE: ED 6F 82 SBC a826F  
\$A901: 30 21 BMI bA924  
\$A903: 0A ASL  
\$A904: 18 CLC  
\$A905: 69 38 ADC #\$38  
\$A907: 9D 3E 91 STA a913E,X  
\$A90A: A9 00 LDA #\$00  
\$A90C: 69 00 ADC #\$00  
\$A90E: 9D 4A 91 STA f914A,X  
\$A911: BD 3F A9 LDA fA93F,X  
\$A914: 38 SEC  
\$A915: ED 70 82 SBC a8270  
\$A918: C9 50 CMP #\$50  
\$A91A: B0 08 BCS bA924  
\$A91C: 0A ASL  
\$A91D: 18 CLC  
\$A91E: 69 37 ADC #\$37



\$A920: 9D 44 91 STA a9144,X

\$A923: 60 RTS

\$A924: A9 00 bA924 LDA #\$00

\$A926: 9D 33 A9 STA aA933,X

\$A929: 9D 3E 91 STA a913E,X

\$A92C: 9D 4A 91 STA f914A,X

\$A92F: 9D 44 91 STA a9144,X

\$A932: 60 RTS

aA934 =\*+\$01

\$A933: 00 00 aA933 BRK #\$00

aA936 =\*+\$01

\$A935: 00 00 aA935 BRK #\$00

\$A937: 00 00 fA937 BRK #\$00

\$A939: 02 JAM

fA93B =\*+\$01

\$A93A: 00 00 BRK #\$00

\$A93C: 00 98 BRK #\$98

fA93F =\*+\$01

\$A93E: 00 00 BRK #\$00

fA941 =\*+\$01

\$A940: 00 E8 BRK #\$E8

fA943 =\*+\$01

\$A942: 00 00 BRK #\$00

\$A944: 00 FF	BRK #\$FF
\$A946: FF 00 04	ISC a0400,X
\$A949: 04 04	NOP a04
\$A94B: 00 FC	BRK #\$FC
\$A94D: FC FC FC	NOP fFCFC,X
\$A950: FC 00 04	NOP a0400,X
\$A953: 04 04	NOP a04
\$A955: 00 FC	BRK #\$FC
\$A957: B8	fA957 CLV
\$A958: B8	CLV
\$A959: D8	CLD
\$A95A: F8	SED
\$A95B: FF FF 01	fA95B ISC f01FF,X
\$A95E: 01 01	ORA (p01,X)
\$A960: FF FF FF	ISC fFFFF,X ;IRQ
\$A963: A2 03	sA963 LDX #\$03
\$A965: BD 33 A9	bA965 LDA aA933,X
\$A968: F0 2B	BEQ bA995
\$A96A: C9 06	CMP #\$06
\$A96C: F0 27	BEQ bA995
	fA970 =*+\$02
\$A96E: BD 3F A9	LDA fA93F,X
\$A971: 4A	LSR
\$A972: 4A	LSR
\$A973: 9D 20 AA	STA fAA20,X

\$A976: 4A LSR  
\$A977: A8 TAY  
\$A978: BD 3B A9 LDA fA93B,X  
\$A97B: 4A LSR  
\$A97C: 4A LSR  
\$A97D: 9D 1C AA STA fAA1C,X  
\$A980: 4A LSR  
\$A981: 18 CLC  
\$A982: 79 70 8E ADC f8E70,Y  
\$A985: 85 8C STA a8C  
\$A987: B9 90 8E LDA f8E90,Y  
\$A98A: 69 00 ADC #\$00  
\$A98C: 85 8D STA a8D  
\$A98E: A0 00 LDY #\$00  
\$A990: B1 8C fA990 LDA (p8C),Y  
\$A992: 20 99 A9 JSR sA999  
\$A995: CA bA995 DEX  
\$A996: 10 CD BPL bA965  
\$A998: 60 RTS  
  
\$A999: 29 7F sA999 AND #\$7F  
\$A99B: F0 26 BEQ bA9C3  
\$A99D: C9 14 CMP #\$14  
\$A99F: F0 26 BEQ bA9C7  
\$A9A1: C9 16 CMP #\$16

\$A9A3: F0 22      BEQ bA9C7  
\$A9A5: C9 18      CMP # \$18  
\$A9A7: 90 28      BCC bA9D1  
\$A9A9: F0 18      BEQ bA9C3  
\$A9AB: C9 1F      CMP # \$1F  
\$A9AD: F0 14      BEQ bA9C3  
\$A9AF: 90 16      BCC bA9C7  
\$A9B1: C9 2F      CMP # \$2F  
\$A9B3: 90 20      BCC bA9D5  
\$A9B5: C9 31      CMP # \$31  
\$A9B7: 90 0A      BCC bA9C3  
\$A9B9: F0 0C      BEQ bA9C7  
\$A9BB: C9 33      CMP # \$33  
\$A9BD: 90 12      BCC bA9D1  
\$A9BF: C9 36      CMP # \$36  
\$A9C1: 90 3F      BCC bAA02  
\$A9C3: 60      bA9C3 RTS  
  
\$A9C4: 20 F6 AC    bA9C4 JSR sACF6  
\$A9C7: 20 0F AE    bA9C7 JSR sAE0F  
\$A9CA: A9 00      LDA # \$00  
\$A9CC: 91 8C      STA (p8C),Y  
\$A9CE: 20 C9 B5      JSR sB5C9  
\$A9D1: 20 0D AA    bA9D1 JSR sAA0D  
\$A9D4: 60      RTS

\$A9D5: 38      bA9D5 SEC

\$A9D6: E9 20      SBC #\$20

\$A9D8: 8D 64 82      STA a8264

\$A9DB: B1 8C      LDA (p8C),Y

\$A9DD: 38      SEC

\$A9DE: FD 8A AD      SBC fAD8A,X

\$A9E1: 91 8C      STA (p8C),Y

\$A9E3: AC 64 82      LDY a8264

\$A9E6: D9 8E AD      CMP fAD8E,Y

    aA9EA    =\*+\$01

\$A9E9: A0 00      LDY #\$00

\$A9EB: 90 D7      BCC bA9C4

\$A9ED: A4 8C    jA9ED LDY a8C

\$A9EF: 84 8E      STY a8E

\$A9F1: A4 8D      LDY a8D

\$A9F3: 84 8F      STY a8F

\$A9F5: 20 F6 B5      JSR sB5F6

\$A9F8: E0 02      CPX #\$02

\$A9FA: 90 03      BCC bA9FF

\$A9FC: 20 F6 AC      JSR sACF6

    sAA00    =\*+\$01

\$A9FF: 4C D1 A9    bA9FF JMP bA9D1

\$AA02: 69 01      bAA02 ADC #\$01

\$AA04: 91 8C      STA (p8C),Y  
\$AA06: C9 36      CMP #36  
\$AA08: F0 BD      BEQ bA9C7  
\$AA0A: 4C ED A9    JMP jA9ED

\$AA0D: A9 00    sAA0D LDA #00  
\$AA0F: 9D 33 A9    STA aA933,X  
\$AA12: 9D 3E 91    STA a913E,X  
\$AA15: 9D 4A 91    STA f914A,X  
\$AA18: 9D 44 91    STA a9144,X  
\$AA1B: 60        RTS

\$AA1C: 00 00    fAA1C BRK #00  
\$AA1E: 26 00      ROL a00  
\$AA20: 00 00    fAA20 BRK #00  
\$AA22: 3A        NOP

      sAA24 =\*+\$01

\$AA23: 00 B9      BRK #B9  
\$AA25: 40        RTI

\$AA26: 06 29      ASL a29  
\$AA28: 08        PHP  
\$AA29: D0 43      BNE bAA6E  
\$AA2B: B9 C0 04    LDA f04C0,Y  
\$AA2E: 4A        LSR

\$AA2F: 8D EE AA STA aAAEE  
\$AA32: B9 00 04 LDA a0400,Y  
\$AA35: 4A LSR  
\$AA36: 8D ED AA STA aAAED  
\$AA39: A2 03 LDX #\$03  
\$AA3B: 98 bAA3B TYA  
\$AA3C: DD 43 A9 CMP fA943,X  
\$AA3F: F0 2A BEQ bAA6B  
\$AA41: BD 33 A9 LDA aA933,X  
\$AA44: F0 25 BEQ bAA6B  
\$AA46: C9 06 CMP #\$06  
\$AA48: D0 05 BNE bAA4F  
\$AA4A: BD C6 AC LDA fACC6,X  
\$AA4D: D0 1C BNE bAA6B  
\$AA4F: BD 1C AA bAA4F LDA fAA1C,X  
\$AA52: 38 SEC  
\$AA53: ED ED AA SBC aAAED  
\$AA56: 18 fAA56 CLC  
\$AA57: 69 01 ADC #\$01  
\$AA59: C9 03 CMP #\$03  
\$AA5B: B0 0E BCS bAA6B  
\$AA5D: BD 20 AA LDA fAA20,X  
\$AA60: 38 SEC  
\$AA61: ED EE AA SBC aAAEE  
\$AA64: 18 CLC

\$AA65: 69 01      ADC #\$01

\$AA67: C9 03      CMP #\$03

\$AA69: 90 05      BCC bAA70

\$AA6B: CA      bAA6B DEX

\$AA6C: 10 CD      BPL bAA3B

\$AA6E: 18      bAA6E CLC

\$AA6F: 60      RTS

\$AA70: 20 0D AA    bAA70 JSR sAA0D

\$AA73: B9 80 05      LDA f0580,Y

\$AA76: C9 C0      CMP #\$C0

\$AA78: B0 49      BCS bAAC3

\$AA7A: 38      SEC

\$AA7B: FD 9D AD      SBC fAD9D,X

\$AA7E: 90 08      BCC bAA88

\$AA80: 99 80 05      STA f0580,Y

\$AA83: 20 CF AC      JSR sACCF

\$AA86: 18      CLC

\$AA87: 60      RTS

\$AA88: 20 CF AC    bAA88 JSR sACCF

\$AA8B: B9 00 04      LDA a0400,Y

\$AA8E: 8D 4D BF      STA aBF4D

\$AA91: B9 C0 04      LDA f04C0,Y

\$AA94: 8D 4E BF      STA aBF4E



\$AA97: 8C 64 82      STY a8264  
\$AA9A: 20 9E BE      JSR sBE9E  
\$AA9D: 20 39 C4      JSR sC439  
\$AAA0: AC 64 82      LDY a8264  
\$AAA3: AE 57 82      LDX a8257  
\$AAA6: BD 00 04      LDA a0400,X

fAAAA =\*+\$01

\$AAA9: 99 00 04      STA a0400,Y  
\$AAAC: BD C0 04      LDA f04C0,X  
\$AAAF: 99 C0 04      STA f04C0,Y  
\$AAB2: BD 80 05      LDA f0580,X  
\$AAB5: 99 80 05      STA f0580,Y  
\$AAB8: BD 40 06      LDA f0640,X  
\$AABB: 99 40 06      STA f0640,Y  
\$AABE: CE 57 82      DEC a8257  
\$AAC1: 38            SEC  
\$AAC2: 60            RTS

\$AAC3: E0 02    bAAC3 CPX # \$02  
\$AAC5: 90 24      BCC bAAEB  
\$AAC7: CA          DEX  
\$AAC8: CA          DEX  
\$AAC9: F8          SED  
\$AACA: BD 08 BA      LDA aBA08,X  
\$AACD: 18          CLC

\$AACE: 69 01      ADC #\$01  
\$AAD0: 9D 08 BA      STA aBA08,X  
\$AAD3: 90 12      BCC bAAE7  
\$AAD5: BD 0A BA      LDA aBA0A,X  
\$AAD8: 69 00      ADC #\$00  
\$AADA: 9D 0A BA      STA aBA0A,X  
\$AADD: 90 08      BCC bAAE7  
\$AADF: BD 0C BA      LDA aBA0C,X  
\$AAE2: 69 00      ADC #\$00  
\$AAE4: 9D 0C BA      STA aBA0C,X  
\$AAE7: D8      bAAE7 CLD  
\$AAE8: 20 F5 AD      JSR sADF5  
\$AAEB: 18      bAAEB CLC  
\$AAEC: 60      RTS  
  
\$AAED: 28      aAAED PLP  
\$AAEE: 3A      aAAEE NOP  
\$AAEF: AC 57 82      sAAEF LDY a8257  
\$AAF2: C0 FF      CPY #\$FF  
\$AAF4: F0 16      BEQ bABOC  
\$AAF6: A0 00      LDY #\$00  
\$AAF8: 20 24 AA      bAAF8 JSR sAA24  
\$AAFB: B0 01      BCS fAAFE  
\$AAFD: C8      INY

fAAFF =\*+\$01

\$AAFE: AD 57 82 fAAFE LDA a8257

\$AB01: C9 FF CMP #\$FF

\$AB03: F0 07 BEQ bAB0C

\$AB05: CC 57 82 CPY a8257

\$AB08: 90 EE BCC bAAF8

\$AB0A: F0 EC BEQ bAAF8

\$AB0C: 60 bAB0C RTS

\$AB0D: A2 01 sAB0D LDX #\$01

\$AB0F: BD 33 A9 LDA aA933,X

\$AB12: F0 06 BEQ bAB1A

\$AB14: CA DEX

\$AB15: BD 33 A9 LDA aA933,X

\$AB18: D0 38 BNE bAB52

\$AB1A: B9 C0 04 bAB1A LDA f04C0,Y

\$AB1D: 48 PHA

\$AB1E: B9 00 04 LDA a0400,Y

\$AB21: 48 PHA

\$AB22: A9 05 LDA #\$05

\$AB24: 9D 33 A9 STA aA933,X

\$AB27: B9 40 06 LDA f0640,Y

\$AB2A: 09 20 ORA #\$20

\$AB2C: 99 40 06 STA f0640,Y

\$AB2F: 98 TYA

\$AB30: 9D 43 A9 STA fA943,X

\$AB33: A9 07 LDA #\$07  
\$AB35: 9D 9B AB STA aAB9B,X  
\$AB38: B9 80 05 LDA f0580,Y  
\$AB3B: 29 07 AND #\$07  
\$AB3D: 9D 37 A9 STA fA937,X  
\$AB40: 09 B8 ORA #\$B8  
\$AB42: 9D 56 91 STA f9156,X  
\$AB45: 29 07 AND #\$07  
\$AB47: A8 TAY  
\$AB48: 68 PLA  
\$AB49: 0A ASL  
\$AB4A: 9D 3B A9 STA fA93B,X  
\$AB4D: 68 PLA  
\$AB4E: 0A ASL  
\$AB4F: 9D 3F A9 STA fA93F,X  
\$AB52: AC 53 82 bAB52 LDY a8253  
\$AB55: 60 RTS

\$AB56: AD 04 DC sAB56 LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$AB59: 29 07 AND #\$07  
\$AB5B: D0 3A BNE bAB97  
\$AB5D: 20 EB AB JSR sABEB  
\$AB60: B0 35 BCS bAB97  
\$AB62: AC 53 82 LDY a8253  
\$AB65: B9 C0 04 LDA f04C0,Y

\$AB68: 0A ASL  
\$AB69: 9D 3F A9 STA fA93F,X  
\$AB6C: B9 00 04 LDA a0400,Y  
\$AB6F: 0A aAB6F ASL  
\$AB70: 9D 3B A9 STA fA93B,X  
\$AB73: B9 40 06 LDA f0640,Y  
\$AB76: 09 20 ORA #20  
\$AB78: 99 40 06 STA f0640,Y  
\$AB7B: 98 TYA  
\$AB7C: 9D 43 A9 STA fA943,X  
\$AB7F: A9 07 LDA #07  
\$AB81: 9D 9B AB STA aAB9B,X  
\$AB84: A9 AD LDA #AD  
\$AB86: 9D 56 91 STA f9156,X  
\$AB89: A9 06 LDA #06  
\$AB8B: 9D 33 A9 STA aA933,X  
\$AB8E: 8A TXA  
\$AB8F: 48 PHA  
\$AB90: A9 0C LDA #0C  
\$AB92: 20 BA CE JSR sCEBA  
\$AB95: 68 PLA  
\$AB96: AA TAX  
\$AB97: AC 53 82 bAB97 LDY a8253  
\$AB9A: 60 RTS

\$AB9B: 02 aAB9B JAM  
\$AB9C: 02 aAB9C JAM  
\$AB9D: 02 aAB9D JAM  
sAB9F =\*+\$01  
\$AB9E: 06 A0 aAB9E ASL aA0  
bABA1 =\*+\$01  
\$ABA0: 01 A2 ORA (pA2,X)  
bABA3 =\*+\$01  
\$ABA2: 03 BD SLO (pBD,X)  
\$ABA4: 33 A9 RLA (pA9),Y  
\$ABA6: F0 3C BEQ bABE4  
\$ABA8: 8C 65 82 fABA8 STY a8265  
\$ABAB: E0 02 aABAB CPX # \$02  
\$ABAD: 90 0B BCC bABBA  
\$ABAF: EE 65 82 INC a8265  
\$ABB2: EE 65 82 INC a8265  
\$ABB5: EC 65 82 CPX a8265  
\$ABB8: F0 2A BEQ bABE4  
\$ABBA: BD 3B A9 bABBA LDA fA93B,X  
\$ABBD: 29 F8 AND # \$F8  
\$ABBF: 8D 65 82 STA a8265  
\$ABC2: B9 04 91 LDA f9104,Y  
\$ABC5: 29 F8 AND # \$F8  
\$ABC7: CD 65 82 CMP a8265  
\$ABCA: D0 18 BNE bABE4

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$ABCC: BD 3F A9      LDA fA93F,X
$ABCF: 29 F8        AND #$F8
$ABD1: 8D 65 82     STA a8265
$ABD4: B9 06 91     LDA f9106,Y
$ABD7: 29 F8        AND #$F8
$ABD9: CD 65 82     CMP a8265
$ABDC: D0 06        BNE bABE4
$ABDE: 20 1D AD     JSR sAD1D
$ABE1: 20 0D AA     JSR sAA0D
$ABE4: CA          bABE4 DEX
$ABE5: 10 BC        BPL bABA3
$ABE7: 88           DEY
$ABE8: 10 B7        BPL bABA1
$ABEA: 60           RTS

$ABEB: A9 00      sABEB LDA #$00
$ABED: 8D CE AC   STA aACCE
$ABF0: BD 64 C0   LDA fC064,X
$ABF3: 8D C2 AC   STA aACC2
$ABF6: 10 05      BPL bABFD
$ABF8: 49 FF      EOR #$FF
$ABFA: 18         CLC

          fABFC =*+$01
$ABFB: 69 01      ADC #$01
$ABFD: 4A         bABFD LSR
```

fABFF =\*+\$01

\$ABFE: 8D C3 AC      STA aACC3  
\$AC01: BD 62 C0      LDA fC062,X  
\$AC04: 8D C0 AC      STA aACC0  
\$AC07: 10 05          BPL bAC0E  
\$AC09: 49 FF          EOR #\$FF  
\$AC0B: 18              CLC  
\$AC0C: 69 01          ADC #\$01  
\$AC0E: 4A      bAC0E LSR  
\$AC0F: 8D C1 AC      STA aACC1  
\$AC12: AC C3 AC      LDY aACC3  
\$AC15: CD C3 AC      CMP aACC3  
\$AC18: B0 07          BCS bAC21  
\$AC1A: EE CE AC      INC aACCE  
\$AC1D: 98              TYA  
\$AC1E: AC C1 AC      LDY aACC1  
\$AC21: 0A      bAC21 ASL  
\$AC22: 8D C4 AC      STA aACC4  
\$AC25: 98              TYA  
\$AC26: 0A      aAC26 ASL  
\$AC27: 8D C5 AC      STA aACC5  
\$AC2A: A2 01          LDX #\$01  
\$AC2C: BD 33 A9      LDA aA933,X  
\$AC2F: F0 08          BEQ bAC39  
\$AC31: CA              DEX



\$AC32: BD 33 A9 LDA aA933,X

\$AC35: F0 02 BEQ bAC39

\$AC37: 38 bAC37 SEC

\$AC38: 60 RTS

\$AC39: AC C4 AC bAC39 LDY aACC4

\$AC3C: 88 DEY

\$AC3D: 98 TYA

\$AC3E: 4A LSR

\$AC3F: 4A LSR

\$AC40: 4A LSR

\$AC41: 4A LSR

\$AC42: A8 TAY

\$AC43: C8 INY

\$AC44: 98 TYA

\$AC45: C9 08 CMP #\$08

\$AC47: B0 EE BCS bAC37

\$AC49: 9D CA AC STA fACCA,X

\$AC4C: 4A LSR

\$AC4D: 18 CLC

\$AC4E: 6D C4 AC ADC aACC4

\$AC51: A0 FF LDY #\$FF

\$AC53: C8 jAC53 INY

\$AC54: DD CA AC CMP fACCA,X

\$AC57: 90 07 BCC bAC60

\$AC59: 38            SEC  
\$AC5A: FD CA AC        SBC fACCA,X  
\$AC5D: 4C 53 AC        JMP jAC53  
  
\$AC60: C0 10    bAC60 CPY # \$10  
          fAC63 =\*+\$01  
\$AC62: 90 02        BCC bAC66  
\$AC64: A0 0F        LDY # \$0F  
\$AC66: 98    bAC66 TYA  
\$AC67: 9D C6 AC        STA fACC6,X  
\$AC6A: 4A            LSR  
\$AC6B: 9D C8 AC        STA fACC8,X  
\$AC6E: 18            CLC  
\$AC6F: 6D C5 AC        ADC aACC5  
\$AC72: A0 FF        LDY # \$FF  
\$AC74: C8    jAC74 INY  
\$AC75: DD C6 AC        CMP fACC6,X  
\$AC78: 90 07        BCC bAC81  
\$AC7A: 38            SEC  
\$AC7B: FD C6 AC        SBC fACC6,X  
\$AC7E: 4C 74 AC        JMP jAC74  
  
\$AC81: 98    bAC81 TYA  
\$AC82: 9D CC AC        STA fACCC,X  
\$AC85: AD CE AC        LDA aACCE

\$AC88: F0 0E        BEQ bAC98  
 \$AC8A: BD CA AC        LDA fACCA,X  
 \$AC8D: 48            PHA  
 \$AC8E: BD CC AC        LDA fACCC,X  
 \$AC91: 9D CA AC        STA fACCA,X  
 \$AC94: 68            PLA  
 \$AC95: 9D CC AC        STA fACCC,X  
 \$AC98: 1E CA AC    bAC98    ASL fACCA,X  
 \$AC9B: 1E CC AC        ASL fACCC,X  
 \$AC9E: AD C0 AC        LDA aACCO  
 \$ACA1: 10 0B        BPL bACAE  
 \$ACA3: BD CA AC        LDA fACCA,X  
 \$ACA6: 49 FF        EOR #\$FF  
 \$ACA8: 18            CLC  
 \$ACA9: 69 01        ADC #\$01  
           aACAC    =\*+\$01  
 \$ACAB: 9D CA AC        STA fACCA,X  
 \$ACAE: AD C2 AC    bACAE    LDA aACC2  
 \$ACB1: 10 0B        BPL bACBE  
 \$ACB3: BD CC AC        LDA fACCC,X  
 \$ACB6: 49 FF        EOR #\$FF  
 \$ACB8: 18            CLC  
 \$ACB9: 69 01    aACB9    ADC #\$01  
 \$ACBB: 9D CC AC        STA fACCC,X  
 \$ACBE: 18        bACBE    CLC

\$ACBF: 60            RTS

    aACC1 =\*+\$01

\$ACC0: 00 00    aACC0 BRK # \$00

    aACC3 =\*+\$01

\$ACC2: 00 00    aACC2 BRK # \$00

    aACC5 =\*+\$01

\$ACC4: 00 00    aACC4 BRK # \$00

\$ACC6: 00 00    fACC6 BRK # \$00

\$ACC8: 00 00    fACC8 BRK # \$00

\$ACCA: 00 00    fACCA BRK # \$00

\$ACCC: 00 00    fACCC BRK # \$00

    sACCF =\*+\$01

\$ACCE: 00 E0    aACCE BRK # \$E0

\$ACD0: 02            JAM

\$ACD1: 90 1E        BCC bACF1

\$ACD3: F8            SED

\$ACD4: A9 05        LDA # \$05

\$ACD6: 18            CLC

\$ACD7: 7D 06 BA     ADC fBA06,X

\$ACDA: 9D 06 BA     STA fBA06,X

\$ACDD: 90 12        BCC bACF1

\$ACDF: BD 08 BA     LDA aBA08,X

\$ACE2: 69 00        ADC # \$00

\$ACE4: 9D 08 BA     STA aBA08,X

\$ACE7: 90 08        BCC bACF1  
\$ACE9: BD 0A BA        LDA aBA0A,X  
\$ACEC: 69 00    aACEC    ADC # \$00  
\$ACEE: 9D 0A BA        STA aBA0A,X  
\$ACF1: D8        bACF1    CLD  
\$ACF2: EE 3E B7        INC aB73E  
\$ACF5: 60        RTS  
  
\$ACF6: E0 02    sACF6    CPX # \$02  
\$ACF8: 90 1E        BCC bAD18  
\$ACFA: F8        SED  
\$ACFB: A9 10        LDA # \$10  
\$ACFD: 18        CLC  
\$ACFE: 7D 06 BA        ADC fBA06,X  
\$AD01: 9D 06 4A        STA f4A06,X  
\$AD04: 90 12        BCC bAD18  
\$AD06: BD 08 BA        LDA aBA08,X  
\$AD09: 69 00        ADC # \$00  
\$AD0B: 9D 08 BA        STA aBA08,X  
\$AD0E: 90 08        BCC bAD18  
\$AD10: BD 0A BA        LDA aBA0A,X  
\$AD13: 69 00        ADC # \$00  
\$AD15: 9D 0A BA        STA aBA0A,X  
\$AD18: D8        bAD18    CLD  
\$AD19: EE 3E B7        INC aB73E

```

$AD1C: 60      RTS

$AD1D: 98      sAD1D TYA
$AD1E: 48      PHA
$AD1F: 8A      TXA
$AD20: 48      PHA
$AD21: BD 33 A9    LDA aA933,X
$AD24: C9 05      CMP #05
$AD26: F0 1D      BEQ bAD45
$AD28: C9 06      CMP #06
$AD2A: F0 1C      BEQ bAD48
$AD2C: AD 01 0A    LDA a0A01
$AD2F: 29 02      AND #02
$AD31: F0 05      BEQ bAD38
$AD33: A9 05      LDA #05
$AD35: 99 1E 91    STA a911E,Y
$AD38: AD 01 0A    bAD38 LDA a0A01
$AD3B: 29 01      AND #01
$AD3D: F0 31      BEQ bAD70
$AD3F: BD 9D AD    LDA fAD9D,X
$AD42: 4A      LSR
$AD43: 4A      LSR

      bAD45 =*+$01
$AD44: 2C A9 10    BIT a10A9

      bAD48 =*+$01

```

\$AD47: 2C A9 03 BIT a03A9  
\$AD4A: 8D 65 82 STA a8265  
\$AD4D: F8 SED  
\$AD4E: B9 0E BA LDA fBA0E,Y  
\$AD51: 38 SEC  
\$AD52: ED 65 82 SBC a8265  
\$AD55: 99 0E BA STA fBA0E,Y  
\$AD58: B9 10 BA aAD58 LDA fBA10,Y  
\$AD5B: E9 00 SBC #\$00  
\$AD5D: 99 10 BA STA fBA10,Y  
\$AD60: B0 05 BCS bAD67  
\$AD62: 98 TYA  
\$AD63: AA TAX  
\$AD64: FE EB C4 INC aC4EB,X  
\$AD67: D8 bAD67 CLD  
\$AD68: EE 3E B7 INC aB73E  
\$AD6B: A9 08 LDA #\$08  
\$AD6D: 20 BA CE JSR sCEBA  
\$AD70: 68 bAD70 PLA  
\$AD71: AA TAX  
\$AD72: 68 PLA  
\$AD73: A8 TAY  
\$AD74: 60 RTS  
\$AD75: A2 01 sAD75 LDX #\$01

\$AD77: BD 1E 91 bAD77 LDA a911E,X

\$AD7A: F0 0A BEQ bAD86

\$AD7C: A9 1F LDA #\$1F

\$AD7E: 9D B0 8E STA a8EB0,X

\$AD81: A9 0F LDA #\$0F

\$AD83: 9D B2 8E STA a8EB2,X

\$AD86: CA bAD86 DEX

\$AD87: 10 EE BPL bAD77

\$AD89: 60 RTS

\$AD8A: 01 01 fAD8A ORA (p01,X)

\$AD8C: 02 fAD8C JAM

fAD8E =\*+\$01

\$AD8D: 01 20 ORA (p20,X)

\$AD8F: 20 20 23 JSR s2320

\$AD92: 23 23 RLA (p23,X)

\$AD94: 26 26 ROL a26

\$AD96: 26 29 ROL a29

\$AD98: 29 29 AND #\$29

\$AD9A: 2C 2C 2C BIT a2C2C

\$AD9D: 40 fAD9D RTI

\$AD9E: 40 RTI

\$AD9F: 80 40 fAD9F NOP #\$40



\$ADA1: 00 00 fADA1 BRK # \$00  
\$ADA3: 00 00 fADA3 BRK # \$00  
\$ADA5: 01 01 ORA (p01,X)  
\$ADA7: 02 fADA7 JAM  
fADA9 =\*+\$01  
\$ADA8: 01 40 ORA (p40,X)  
\$ADAA: 40 RTI  
  
\$ADAB: 80 40 fADAB NOP # \$40  
\$ADAD: 38 sADAD SEC  
\$ADAE: E9 20 SBC # \$20  
\$ADB0: 8D 64 82 STA a8264  
\$ADB3: 48 PHA  
\$ADB4: 98 TYA  
\$ADB5: 48 PHA  
\$ADB6: 8A TXA  
\$ADB7: 48 PHA  
\$ADB8: 4A LSR  
\$ADB9: A8 TAY  
\$ADBA: DE F2 AD fADBA DEC fADF2,X  
\$ADBD: D0 2D BNE bADEC  
\$ADBF: A9 04 LDA # \$04  
\$ADC1: 9D F2 AD STA fADF2,X  
\$ADC4: A1 C0 LDA (pC0,X)  
\$ADC6: 38 SEC

\$ADC7: F9 A7 AD	SBC fADA7,Y
\$ADCA: 81 C0	STA (pC0,X)
\$ADCC: AC 64 82	LDY a8264
\$ADCF: D9 8E AD	CMP fAD8E,Y
\$ADD2: A0 00	LDY # \$00
\$ADD4: B0 03	BCS bADD9
\$ADD6: 98	TYA
\$ADD7: 81 C0	STA (pC0,X)
\$ADD9: B4 C0	bADD9 LDY fC0,X
\$ADDB: 84 8E	STY a8E
\$ADDD: B4 C1	LDY fC1,X
\$ADDF: 84 8F	STY a8F
\$ADE1: 20 F6 B5	JSR sB5F6
\$ADE4: 8A	TXA
\$ADE5: 4A	LSR
\$ADE6: AA	TAX
\$ADE7: E8	INX
\$ADE8: E8	INX
\$ADE9: 20 F6 AC	JSR sACF6
\$ADEC: 68	bADEC PLA
\$ADED: AA	TAX
\$ADEE: 68	PLA
\$ADEF: A8	TAY
\$ADF0: 68	PLA
\$ADF1: 60	RTS

\$ADF2: 04 01 fADF2 NOP a01

sADF5 =\*+\$01

\$ADF4: 01 AD ORA (pAD,X)

\$ADF6: 05 AE ORA aAE

\$ADF8: 29 07 AND #07

\$ADFA: AA TAX

\$ADFB: BD 07 AE LDA fAE07,X

\$ADFE: 8D 06 AE STA aAE06

\$AE01: EE 05 AE INC aAE05

\$AE04: 60 RTS

aAE06 =\*+\$01

\$AE05: 00 10 aAE05 BRK #010

\$AE07: 40 fAE07 RTI

\$AE08: 80 60 NOP #060

\$AE0A: 50 70 BVC bAE7C

\$AE0C: 30 20 BMI aAE2E

sAE0F =\*+\$01

\$AE0E: 10 C9 BPL bADD9

\$AE10: 16 F0 ASL fF0,X

\$AE12: 08 PHP

\$AE13: C9 18 CMP #018

\$AE15: 90 16 BCC bAE2D

\$AE17: C9 1F      CMP #\$1F  
\$AE19: B0 12      BCS bAE2D  
\$AE1B: 8A        TXA  
\$AE1C: 48        PHA  
\$AE1D: A9 01      LDA #\$01  
\$AE1F: 8D AC BB    STA aBBAC  
\$AE22: 98        TYA  
\$AE23: 48        PHA  
\$AE24: A9 05      LDA #\$05  
\$AE26: 20 BA CE    JSR sCEBA  
\$AE29: 68        PLA  
\$AE2A: A8        TAY  
\$AE2B: 68        PLA  
\$AE2C: AA        TAX  
\$AE2D: 60      bAE2D RTS  
  
\$AE2E: 8D 64 82    aAE2E STA a8264  
\$AE31: 98        TYA  
\$AE32: 48        PHA  
\$AE33: B1 8E      LDA (p8E),Y  
\$AE35: 38        SEC  
\$AE36: FD DF A0    SBC fa0DF,X  
\$AE39: 91 8E      STA (p8E),Y  
\$AE3B: AC 64 82    LDY a8264  
\$AE3E: D9 8E AD    CMP fAD8E,Y

\$AE41: A0 00 LDY #\$00

\$AE43: 90 0C BCC bAE51

\$AE45: 20 F6 B5 JSR sB5F6

\$AE48: E0 02 CPX #\$02

\$AE4A: 90 03 BCC bAE4F

\$AE4C: 20 F6 AC JSR sACF6

\$AE4F: 68 bAE4F PLA

\$AE50: 60 RTS

\$AE51: 20 F6 AC bAE51 JSR sACF6

\$AE54: 68 PLA

\$AE55: A8 TAY

\$AE56: A9 00 LDA #\$00

\$AE58: 91 8E STA (p8E),Y

\$AE5A: A5 8E LDA a8E

\$AE5C: 85 8C STA a8C

\$AE5E: A5 8F LDA a8F

\$AE60: 85 8D STA a8D

\$AE62: 20 C9 B5 JSR sB5C9

\$AE65: 60 RTS

\$AE66: CE 92 AE sAE66 DEC aAE92

\$AE69: 10 26 BPL aAE91

\$AE6B: A9 0B LDA #\$0B

\$AE6D: 8D 92 AE STA aAE92

\$AE70: CE 93 AE      DEC aAE93

\$AE73: AD 57 91      LDA a9157

\$AE76: 38            SEC

\$AE77: E9 01        SBC #\$01

\$AE79: C9 A2        CMP #\$A2

    bAE7C =\*+\$01

\$AE7B: B0 11        BCS bAE8E

\$AE7D: AD 56 91      LDA f9156

\$AE80: 38            SEC

\$AE81: E9 01        SBC #\$01

\$AE83: C9 A2        CMP #\$A2

    sAE86 =\*+\$01

\$AE85: B0 02        BCS bAE89

\$AE87: A9 AB        LDA #<aABAB

\$AE89: 8D 56 91    bAE89 STA f9156

\$AE8C: A9 AB        LDA #>aABAB

\$AE8E: 8D 57 91    bAE8E STA a9157

\$AE91: 60      aAE91 RTS

    aAE93 =\*+\$01

\$AE92: 06 15      aAE92 ASL a15

\$AE94: AD 04 DC    sAE94 LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$AE97: 29 0F        AND #\$0F

\$AE99: AA            TAX

\$AE9A: BD AD AE      LDA fAEAD,X

\$AE9D: 8D 57 91      STA a9157  
\$AEA0: BD BD AE      LDA fAEBD,X  
\$AEA3: 8D 56 91      STA f9156  
\$AEA6: BD CD AE      LDA fAECD,X  
\$AEA9: 8D 93 AE      STA aAE93  
\$AEAC: 60            RTS

\$AEAD: A2 A4    fAEAD LDX #A4  
\$AEAF: A6 A8      LDX aA8  
\$AEB1: AA        TAX  
\$AEB2: A2 A3      LDX #A3  
\$AEB4: A5 A7      LDA aA7  
\$AEB6: A9 AB      LDA #A8  
\$AEB8: A2 A3      LDX #A3  
\$AEBA: A4 A5      LDY aA5

fAEBD =\*+\$01

\$AEBC: A6 A4      LDX aA4  
\$AEBE: A4 A4      LDY aA4  
\$AEC0: A4 A4      LDY aA4  
\$AEC2: A5 A4      LDA aA4  
\$AEC4: A4 A4      LDY aA4  
\$AEC6: A4 A4      LDY aA4  
\$AEC8: A4 A4      LDY aA4  
\$AECA: A4 A4      LDY aA4

fAECD =\*+\$01

\$AECC: A4 14	LDY a14
\$AECE: 16 18	ASL f18,X
\$AED0: 1A	NOP
\$AED1: 1C 1E 15	NOP f151E,X
\$AED4: 17 19	SLO f19,X
\$AED6: 1B 1D 14	SLO f141D,Y
\$AED9: 15 16	ORA f16,X
\$AEDB: 17 18	SLO f18,X
\$AEDD: A9 10	sAEDD LDA #\$10
\$AEDF: 20 BA CE	JSR sCEBA
\$AEE2: A2 01	LDX #\$01
\$AEE4: BD 17 B0	bAEE4 LDA aB017,X
\$AEE7: D0 05	BNE bAEEE
\$AEE9: A9 00	LDA #\$00
\$AEEB: 9D 19 B0	STA aB019,X
\$AEEE: CA	bAEEE DEX
\$AEFF: 10 F3	BPL bAEE4
\$AEF1: 20 44 B0	JSR sB044
\$AEF4: 20 C8 B0	JSR sBOC8
\$AEF7: A2 00	LDX #\$00
\$AEF9: 20 1B AF	JSR sAF1B
\$AEFC: A2 01	LDX #\$01
	aAF00 =*+\$02
\$AEFE: 20 1B AF	JSR sAF1B
\$AF01: 20 80 CF	JSR sCF80



\$AF04: A9 00      LDA #\$00  
\$AF06: 8D 11 A1      STA aA111  
\$AF09: 8D 52 82      STA a8252  
\$AF0C: 8D DD B1      STA aB1DD  
\$AF0F: A2 E8      LDX #\$E8  
\$AF11: 20 0E A1      JSR sA10E  
\$AF14: 20 56 CE      JSR sCE56  
\$AF17: 20 24 B0      JSR sB024  
\$AF1A: 60      RTS  
  
\$AF1B: 8E 0D 91    sAF1B STX a910D  
\$AF1E: BD 20 91      LDA a9120,X  
\$AF21: D0 01      BNE bAF24  
\$AF23: 60      RTS  
  
\$AF24: BD 19 B0    bAF24 LDA aB019,X  
\$AF27: D0 26      BNE bAF4F  
\$AF29: BC 1C 91      LDY f911C,X  
\$AF2C: B9 14 91      LDA f9114,Y  
\$AF2F: 8D F8 AF      STA aAFF8  
\$AF32: 8D 02 B0      STA aB002  
\$AF35: 20 2F B2      JSR sB22F  
\$AF38: 20 E7 B0      JSR sB0E7  
\$AF3B: F7 AF      ISC fAF,X  
\$AF3D: 20 4F B1      JSR sB14F

\$AF40: 20 E7 B0 JSR sB0E7  
\$AF43: 01 B0 ORA (pB0,X)  
\$AF45: 20 4F B1 JSR sB14F  
\$AF48: 20 4F B1 JSR sB14F  
bAF4C =\*+\$01  
\$AF4B: 20 4F B1 JSR sB14F  
\$AF4E: 60 RTS  
  
\$AF4F: BC 1C 91 bAF4F LDY f911C,X  
\$AF52: B9 14 91 LDA f9114,Y  
\$AF55: 8D DA AF STA aAFDA  
\$AF58: 8D EA AF STA aAFEA  
\$AF5B: BD 19 B0 LDA aB019,X  
\$AF5E: 20 6B B1 JSR sB16B  
\$AF61: 8C E7 AF STY aAFE7  
\$AF64: 8D E8 AF STA aAFE8  
\$AF67: 8C F3 AF STY aAFF3  
\$AF6A: 8D F4 AF STA aAFF4  
\$AF6D: 29 0F AND #\$0F  
\$AF6F: 8D 64 82 STA a8264  
\$AF72: 98 TYA  
\$AF73: 29 0F AND #\$0F  
\$AF75: 0A ASL  
\$AF76: 0A ASL  
\$AF77: 0A ASL

\$AF78: 0A ASL  
\$AF79: 0D 64 82 ORA a8264  
\$AF7C: AE 0D 91 LDX a910D  
\$AF7F: F8 fAF7F SED  
\$AF80: 18 CLC  
\$AF81: 7D 0A BA ADC aBA0A,X  
\$AF84: 9D 0A BA STA aBA0A,X  
\$AF87: BD 0C BA LDA aBA0C,X  
\$AF8A: 69 00 ADC #\$00  
\$AF8C: 9D 0C BA STA aBA0C,X  
\$AF8F: D8 CLD  
\$AF90: A9 01 LDA #\$01  
\$AF92: 8D 3E B7 STA aB73E  
\$AF95: 20 2F B2 JSR sB22F  
\$AF98: 20 E7 B0 JSR sB0E7  
\$AF9B: D9 AF 20 CMP f20AF,Y  
\$AF9E: 4F B1 20 SRE a20B1  
\$AFA1: E7 B0 ISC aB0  
\$AFA3: E9 AF SBC #\$AF  
\$AFA5: 20 4F B1 JSR sB14F  
aAFAA =\*+\$02  
\$AFA8: 20 4F B1 JSR sB14F  
\$AFAB: 20 4F B1 aAFAB JSR sB14F  
\$AFAE: 60 aAFAE RTS

fAFB0 =\*+\$01

\$AFAF: B7 AF fAFAF LAX fAF,Y  
\$AFB1: C1 AF CMP (pAF,X)  
\$AFB3: CB AF AXS # \$AF  
\$AFB5: D3 AF DCP (pAF),Y  
\$AFB7: 08 PHP  
\$AFB8: 02 JAM  
\$AFB9: 90 91 BCC bAF4C  
\$AFBB: 92 JAM  
\$AFBC: 93 94 AHX (p94),Y  
\$AFBE: 95 96 STA f96,X  
\$AFC0: 97 08 SAX f08,Y  
\$AFC2: 03 56 SLO (p56,X)  
\$AFC4: 41 4C EOR (p4C,X)  
\$AFC6: 4B 59 ALR # \$59  
\$AFC8: 52 JAM  
\$AFC9: 49 45 EOR # \$45  
\$AFCB: 06 07 ASL a07  
\$AFCD: 57 49 SRE f49,X  
\$AFCF: 5A NOP  
\$AFD0: 41 52 EOR (p52,X)  
\$AFD2: 44 04 NOP a04  
\$AFD4: 05 5B ORA a5B  
\$AFD6: 5C 5D 5E NOP f5E5D,X

aAFDA =\*+\$01

\$AFD9: 0E 03 54 ASL a5403

\$AFDC: 52 JAM

\$AFDD: 45 41 EOR a41

\$AFDF: 53 55 SRE (p55),Y

\$AFE1: 52 JAM

\$AFE2: 45 53 EOR a53

\$AFE4: 20 98 20 JSR s2098

aAFE8 =\*+\$01

\$AFE7: 30 30 aAFE7 BMI aB019

aAFEA =\*+\$01

\$AFE9: 0C 03 42 NOP a4203

\$AFEC: 4F 4E 55 SRE a554E

\$AFEF: 53 20 SRE (p20),Y

\$AFF1: 9A TXS

aAFF3 =\*+\$01

aAFF4 =\*+\$02

\$AFF2: 20 30 30 JSR f3030

\$AFF5: 30 30 BMI bB027

\$AFF7: 08 PHP

\$AFF8: 03 4E aAFF8 SLO (p4E,X)

\$AFFA: 4F 20 42 SRE a4220

\$AFFD: 4F 4E 55 SRE a554E

\$B000: 53 14 fB000 SRE (p14),Y

\$B002: 03 4C aB002 SLO (p4C,X)

\$B004: 4F 4F 4B SRE a4B4F

```
        aB008  =*+$01
$B007: 53 20      SRE (p20),Y
$B009: 4C 49 4B      JMP j4B49

$B00C: 45 20      EOR a20
$B00E: 59 4F 55      EOR a554F,Y
$B011: 20 4C 4F      JSR s4F4C
$B014: 53 45      SRE (p45),Y
        aB017  =*+$01
$B016: 21 00      AND (p00,X)
        aB019  =*+$01
$B018: 00 03      aB018 BRK # $03
        aB01B  =*+$01
$B01A: 00 05      aB01A BRK # $05
$B01C: 18      fB01C CLC
$B01D: D9 78 D8      fB01D CMP fD878,Y
$B020: 18      fB020 CLC
$B021: 41 78      fB021 EOR (p78,X)
$B023: 40      RTI

$B024: A9 C0      sB024 LDA # $C0
        bB027  =*+$01
$B026: 8D 50 82      STA a8250
$B029: AD 50 82      bB029 LDA a8250
$B02C: D0 FB      BNE bB029
```

\$B02E: 60            RTS

\$B02F: A9 00    sB02F LDA #\$00

\$B031: 8D 3E 91        STA a913E

\$B034: 8D 3F 91        STA a913F

\$B037: 8D 40 91        STA a9140

\$B03A: 8D 44 91        STA a9144

\$B03D: 8D 45 91        STA a9145

\$B040: 8D 46 91        STA a9146

\$B043: 60            RTS

\$B044: A9 07    sB044 LDA #<a0007

\$B046: 8D 37 88        STA a8837

\$B049: A9 00        LDA #>a0007

\$B04B: 8D 38 88        STA a8838

\$B04E: 20 2F B0        JSR sB02F

\$B051: A9 0F    sB051 LDA #\$0F

\$B053: 8D 4A B7        STA aB74A

\$B056: 8D 4B B7        STA aB74B

\$B059: A9 00        LDA #\$00

\$B05B: 8D 33 A9        STA aA933

\$B05E: 8D 34 A9        STA aA934

\$B061: 8D 35 A9        STA aA935

\$B064: 8D 36 A9        STA aA936

\$B067: 8D 46 91        STA a9146

\$B06A: 8D 47 91      STA a9147  
\$B06D: 8D 48 91      STA f9148  
\$B070: 8D 49 91      STA a9149  
\$B073: A9 06          LDA #\$06  
\$B075: 8D 9B AB      STA aAB9B  
\$B078: 8D 9C AB      STA aAB9C  
\$B07B: 8D 9D AB      STA aAB9D  
\$B07E: 8D 9E AB      STA aAB9E  
\$B081: 20 FD 81      JSR s81FD  
\$B084: AD 40 88    bB084   LDA a8840  
\$B087: C9 0F          CMP #\$0F  
\$B089: D0 F9          BNE bB084  
\$B08B: A0 00          LDY #\$00  
\$B08D: A9 00    bB08D   LDA #\$00  
\$B08F: 99 00 D8      STA fD800,Y  
\$B092: 99 00 D9      STA fD900,Y  
\$B095: 99 00 DA      STA fDA00,Y  
\$B098: 99 00 40      STA f4000,Y  
\$B09B: 99 00 41      STA f4100,Y  
\$B09E: 99 00 42      STA f4200,Y  
\$B0A1: C8          fB0A1   INY  
\$B0A2: D0 E9          BNE bB08D  
\$B0A4: A0 1F          LDY #\$1F  
\$B0A6: A9 00    bB0A6   LDA #\$00  
\$B0A8: 99 00 43      STA f4300,Y



\$B0AB: 99 00 DB      STA fDB00,Y  
\$B0AE: 88            DEY  
\$B0AF: 10 F5        BPL bB0A6  
\$B0B1: A9 00        LDA #\$00  
\$B0B3: 8D 59 82     STA a8259  
\$B0B6: 8D 11 91     STA a9111  
\$B0B9: A9 08        LDA #\$08  
\$B0BB: 8D 5A 82     STA a825A  
\$B0BE: 20 E9 C6     JSR sC6E9  
\$B0C1: 20 FD 81     JSR s81FD  
\$B0C4: 20 FD 81     JSR s81FD  
\$B0C7: 60            RTS  
  
\$B0C8: AD 20 91    sB0C8 LDA a9120  
\$B0CB: 18            CLC  
\$B0CC: 6D 21 91     ADC a9121  
\$B0CF: 29 02        AND #\$02  
\$B0D1: AA            TAX  
\$B0D2: BD 20 B0    sB0D2 LDA fB020,X  
\$B0D5: 85 8C        STA a8C  
\$B0D7: BD 21 B0     LDA fB021,X  
\$B0DA: 85 8D        STA a8D  
\$B0DC: BD 1C B0     LDA fB01C,X  
\$B0DF: 85 8E        STA a8E  
\$B0E1: BD 1D B0     LDA fB01D,X

\$B0E4: 85 8F	STA a8F
\$B0E6: 60	RTS
\$B0E7: 68	sB0E7 PLA
\$B0E8: 85 FB	STA aFB
\$B0EA: 18	CLC
\$B0EB: 69 02	ADC #02
\$B0ED: AA	TAX
\$B0EE: 68	PLA
\$B0EF: 69 00	ADC #00
\$B0F1: 85 FC	STA aFC
\$B0F3: 48	PHA
\$B0F4: 8A	TXA
\$B0F5: 48	PHA
\$B0F6: A0 01	LDY #01
\$B0F8: B1 FB	LDA (pFB),Y
\$B0FA: 48	PHA
\$B0FB: C8	INY
\$B0FC: B1 FB	LDA (pFB),Y
\$B0FE: 85 FC	STA aFC
\$B100: 68	PLA
\$B101: 85 FB	fB101 STA aFB
\$B103: A0 00	LDY #00
\$B105: A9 28	LDA #28
\$B107: 38	SEC

\$B108: F1 FB	SBC (pFB),Y
\$B10A: 4A	LSR
\$B10B: 48	PHA
\$B10C: 18	CLC
\$B10D: 65 8C	ADC a8C
\$B10F: 85 F7	STA aF7
\$B111: A5 8D	LDA a8D
\$B113: 69 00	ADC #\$00
\$B115: 85 F8	STA aF8
\$B117: 68	PLA
\$B118: 18	CLC
\$B119: 65 8E	ADC a8E
\$B11B: 85 F9	STA aF9
\$B11D: A9 00	LDA #\$00
\$B11F: 65 8F	ADC a8F
\$B121: 85 FA	STA aFA
\$B123: B1 FB	LDA (pFB),Y
\$B125: AA	TAX
\$B126: C8	INY
\$B127: B1 FB	LDA (pFB),Y
\$B129: 8D 6A B1	STA aB16A
\$B12C: A5 FB	LDA aFB
\$B12E: 18	CLC
\$B12F: 69 02	ADC #\$02
\$B131: 85 FB	STA aFB

\$B133: A5 FC    fB133 LDA aFC  
\$B135: 69 00        ADC #\$00  
\$B137: 85 FC        STA aFC  
\$B139: A0 FF        LDY #\$FF  
\$B13B: C8    bB13B INY  
\$B13C: B1 FB        LDA (pFB),Y  
\$B13E: 38        SEC  
\$B13F: E9 20        SBC #\$20  
\$B141: 91 F7        STA (pF7),Y  
\$B143: AD 6A B1        LDA aB16A  
\$B146: 91 F9        STA (pF9),Y  
\$B148: CA        DEX  
\$B149: D0 F0        BNE bB13B  
\$B14B: 20 4F B1        JSR sB14F  
\$B14E: 60        RTS

      bB150 =\*+\$01

\$B14F: A5 8C    sB14F LDA a8C  
\$B151: 18        CLC  
\$B152: 69 28        ADC #\$28  
      fB155 =\*+\$01  
\$B154: 85 8C        STA a8C  
\$B156: A5 8D        LDA a8D  
\$B158: 69 00        ADC #\$00  
\$B15A: 85 8D        STA a8D

\$B15C: A5 8E      LDA a8E  
\$B15E: 18          CLC  
\$B15F: 69 28      ADC #\$28  
\$B161: 85 8E      STA a8E  
\$B163: A5 8F      LDA a8F  
\$B165: 69 00      ADC #\$00  
\$B167: 85 8F      STA a8F  
\$B169: 60          RTS  
  
\$B16A: 0A      aB16A ASL  
\$B16B: 8D 64 82   sB16B STA a8264  
\$B16E: A2 30      LDX #\$30  
\$B170: A0 30      LDY #\$30  
\$B172: C9 64      bB172 CMP #\$64  
\$B174: 90 05      BCC bB17B  
\$B176: E9 64      SBC #\$64  
\$B178: E8          INX  
\$B179: D0 F7      BNE bB172  
\$B17B: C9 0A      bB17B CMP #\$0A  
                 fB17E =\*+\$01  
\$B17D: 90 05      BCC bB184  
\$B17F: E9 0A      SBC #\$0A  
\$B181: C8          INY  
\$B182: D0 F7      BNE bB17B  
\$B184: 09 30      bB184 ORA #\$30

\$B186: 60            RTS

\$B187: 20 44 B0   sB187 JSR sB044

\$B18A: A2 00        LDX #\$00

\$B18C: 20 D2 B0       JSR sB0D2

\$B18F: 20 4F B1       JSR sB14F

\$B192: 20 E7 B0       JSR sB0E7

\$B195: DE B1 20       DEC a20B1,X

\$B198: 4F B1 20       SRE a20B1

\$B19B: E7 B0        ISC aB0

\$B19D: F0 B1        BEQ bB150

\$B19F: 20 E7 B0       JSR sB0E7

\$B1A2: 0C B2 20       NOP a20B2

\$B1A5: 94 AE        STY fAE,X

\$B1A7: 20 23 9B       JSR s9B23

\$B1AA: A9 01        LDA #\$01

\$B1AC: 8D DD B1       STA aB1DD

\$B1AF: 60            RTS

fB1B1 =\*+\$01

\$B1B0: AD DD B1   sB1B0 LDA aB1DD

\$B1B3: F0 27        BEQ bB1DC

\$B1B5: A9 00        LDA #\$00

\$B1B7: 8D DD B1       STA aB1DD

\$B1BA: A2 E8        LDX #\$E8

\$B1BC: 20 0E A1 JSR aA10E  
\$B1BF: 20 56 CE JSR sCE56  
\$B1C2: A9 01 LDA #\$01  
\$B1C4: 8D 52 82 STA a8252  
\$B1C7: 8D 11 A1 STA aA111  
\$B1CA: A9 A8 LDA #<pBCA8  
\$B1CC: 8D 3E 91 STA a913E  
\$B1CF: A9 BC LDA #>pBCA8  
\$B1D1: 8D 3F 91 STA a913F  
\$B1D4: A9 36 LDA #\$36  
\$B1D6: 8D 44 91 STA a9144  
\$B1D9: 8D 45 91 STA a9145  
\$B1DC: 60 bB1DC RTS

\$B1DD: 00 10 aB1DD BRK #\$10  
\$B1DF: 01 59 ORA (p59,X)  
\$B1E1: 4F 55 20 SRE a2055  
\$B1E4: 48 PHA  
\$B1E5: 41 56 EOR (p56,X)  
\$B1E7: 45 20 EOR a20  
\$B1E9: 46 4F LSR a4F  
\$B1EB: 55 4E EOR f4E,X  
\$B1ED: 44 20 NOP a20  
\$B1EF: 41 1A EOR (p1A,X)  
\$B1F1: 0E E9 EA ASL aEAE9

\$B1F4: EB EC	SBC #SEC
\$B1F6: E3 E4	ISC (pE4,X)
\$B1F8: EF F0 ED	ISC aEDF0
\$B1FB: EE F1 F2	INC aF2F1
\$B1FE: EB EC	fB1FE SBC #SEC
\$B200: E3 E4	ISC (pE4,X)
\$B202: 20 20 EB	JSR sEB20
\$B205: EC E7 E8	CPX aE8E7
\$B208: E7 E8	ISC aE8
\$B20A: F3 F4	ISC (pF4),Y
\$B20C: 1A	NOP
\$B20D: 0E 09 0A	ASL a0A09
\$B210: 0B 0C	ANC #SOC
\$B212: 03 04	SLO (p04,X)
\$B214: 0F 10 0D	SLO a0D10
\$B217: 0E 11 12	ASL a1211
\$B21A: 0B 0C	ANC #SOC
\$B21C: 03 04	SLO (p04,X)
\$B21E: 20 20 0B	JSR s0B20
\$B221: 0C 07 08	NOP a0807
\$B224: 07 08	SLO a08
\$B226: 13 14	SLO (p14),Y
\$B228: 20 4F B1	sB228 JSR sB14F
\$B22B: CA	DEX
\$B22C: 10 FA	BPL sB228



\$B22E: 60 RTS

\$B22F: BD 1C 91 sB22F LDA f911C,X

\$B232: 0A ASL

\$B233: A8 TAY

\$B234: B9 AF AF LDA fAFAF,Y

\$B237: 8D 43 B2 STA aB243

\$B23A: B9 B0 AF LDA fAFB0,Y

\$B23D: 8D 44 B2 STA aB244

\$B240: 20 E7 B0 JSR sB0E7

aB244 =\*+\$01

\$B243: B7 AF aB243 LAX fAF,Y

\$B245: 20 4F B1 JSR sB14F

\$B248: 60 RTS

\$B249: AD AC BB sB249 LDA aBBAC

\$B24C: D0 0F BNE bB25D

\$B24E: AD 20 91 LDA a9120

\$B251: 0D 21 91 ORA a9121

\$B254: F0 1A BEQ bB270

\$B256: AD 54 82 LDA a8254

\$B259: 29 07 AND #\$07

\$B25B: D0 13 BNE bB270

\$B25D: A9 00 bB25D LDA #\$00

\$B25F: 8D 3E 90 STA a903E

\$B262: 8D D0 C0      STA aC0D0

\$B265: AD 57 82      LDA a8257

\$B268: C9 C0          CMP #\$C0

\$B26A: 90 05          BCC bB271

\$B26C: C9 FF          CMP #\$FF

\$B26E: F0 01          BEQ bB271

\$B270: 60      bB270    RTS

\$B271: AD 3C 88    bB271    LDA a883C

\$B274: 4A          LSR

\$B275: 8D 7A B3      STA aB37A

\$B278: A9 09          LDA #>p090F

\$B27A: 8D 7C B3      STA aB37C

\$B27D: A9 0F    bB27D    LDA #<p090F

\$B27F: 8D 7B B3      STA aB37B

\$B282: AD 3A 88      LDA a883A

\$B285: 4A          LSR

\$B286: 8D 79 B3      STA aB379

\$B289: AD 7A B3    bB289    LDA aB37A

\$B28C: 29 1F          AND #\$1F

\$B28E: AA          TAX

\$B28F: AD 79 B3      LDA aB379

\$B292: 29 1F          AND #\$1F

\$B294: 1D 70 8E      ORA f8E70,X

\$B297: 85 8E          STA a8E

\$B299: BD 90 8E LDA f8E90,X

\$B29C: 85 8F STA a8F

\$B29E: A0 00 LDY #\$00

\$B2A0: B1 8E LDA (p8E),Y

\$B2A2: 38 SEC

\$B2A3: E9 20 SBC #\$20

\$B2A5: 90 34 BCC bB2DB

\$B2A7: C9 10 CMP #\$10

\$B2A9: D0 06 BNE bB2B1

\$B2AB: 20 DE 8E JSR s8EDE

\$B2AE: 4C DB B2 JMP bB2DB

\$B2B1: C9 0F bB2B1 CMP #\$0F

\$B2B3: B0 26 BCS bB2DB

aB2B6 =\*+\$01

\$B2B5: 8D 78 B3 STA aB378

\$B2B8: AE AC BB LDX aBBAC

\$B2BB: F0 04 BEQ bB2C1

\$B2BD: CA DEX

\$B2BE: 20 2E AE JSR aAE2E

\$B2C1: AD 04 DC bB2C1 LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$B2C4: 6D 05 DC ADC \$DC05 ;CIA1: Timer A: High-Byte

\$B2C7: 6D 06 DC ADC \$DC06 ;CIA1: Timer B: Low-Byte

\$B2CA: 6D 07 DC ADC \$DC07 ;CIA1: Timer B: High-Byte

\$B2CD: 4D 05 DC EOR \$DC05 ;CIA1: Timer A: High-Byte

\$B2D0: 29 07      AND #\$07  
\$B2D2: AA        TAX  
\$B2D3: 20 EC B2    JSR sB2EC  
\$B2D6: D0 03      BNE bB2DB  
\$B2D8: 20 0F B3    JSR sB30F  
\$B2DB: EE 79 B3   bB2DB INC aB379  
\$B2DE: CE 7B B3    DEC aB37B  
\$B2E1: 10 A6      BPL bB289  
\$B2E3: EE 7A B3    INC aB37A  
\$B2E6: CE 7C B3    DEC aB37C  
\$B2E9: 10 92      BPL bB27D  
\$B2EB: 60         RTS  
  
\$B2EC: BD 68 B3   sB2EC LDA fB368,X  
\$B2EF: 18         CLC  
\$B2F0: 6D 79 B3    ADC aB379  
\$B2F3: 29 1F      AND #\$1F  
\$B2F5: 0A         ASL  
\$B2F6: 0A         ASL  
\$B2F7: 8D 4D BF    STA aBF4D  
\$B2FA: BD 70 B3    LDA fB370,X  
\$B2FD: 18         CLC  
\$B2FE: 6D 7A B3    ADC aB37A  
\$B301: 29 1F      AND #\$1F  
\$B303: 0A         ASL

\$B304: 0A ASL  
\$B305: 8D 4E BF STA aBF4E  
\$B308: 20 9E BE JSR sBE9E  
\$B30B: 20 F9 BE JSR sBEF9  
\$B30E: 60 RTS  
  
\$B30F: AC 57 82 sB30F LDY a8257  
\$B312: C0 FF CPY #\$FF  
\$B314: F0 04 BEQ bB31A  
\$B316: C0 BF CPY #\$BF  
\$B318: B0 3E BCS bB358  
\$B31A: C8 bB31A INY  
\$B31B: 8C 57 82 STY a8257  
\$B31E: AD 79 B3 LDA aB379  
\$B321: 18 CLC  
\$B322: 7D 68 B3 ADC fB368,X  
\$B325: 29 1F AND #\$1F  
\$B327: 0A ASL  
\$B328: 8D 4D BF STA aBF4D  
\$B32B: 0A ASL  
\$B32C: 99 00 04 STA a0400,Y  
\$B32F: AD 7A B3 LDA aB37A  
\$B332: 18 CLC  
\$B333: 7D 70 B3 ADC fB370,X  
\$B336: 29 1F AND #\$1F

\$B338: 0A ASL  
\$B339: 8D 4E BF STA aBF4E  
\$B33C: 0A ASL  
\$B33D: 99 C0 04 STA f04C0,Y  
\$B340: 8A TXA  
\$B341: AE 78 B3 LDX aB378  
\$B344: 1D 59 B3 ORA fB359,X  
\$B347: 99 80 05 STA f0580,Y  
\$B34A: A9 00 LDA #\$00  
\$B34C: 99 40 06 STA f0640,Y  
\$B34F: 20 BD BE JSR sBEED  
\$B352: 20 B2 CB JSR sCBB2  
\$B355: 20 21 CC JSR sCC21  
\$B358: 60 bB358 RTS  
  
\$B359: 00 40 fB359 BRK #\$40  
\$B35B: 80 08 NOP #\$08  
\$B35D: 48 PHA  
\$B35E: 88 DEY  
\$B35F: 10 50 BPL bB3B1  
\$B361: 90 18 BCC aB37B  
\$B363: 58 CLI  
\$B364: 98 TYA  
\$B365: 20 60 A0 JSR sA060  
\$B368: 00 01 fB368 BRK #\$01

\$B36A: 01 01       ORA (p01,X)  
 \$B36C: 00 FF       BRK #\$FF  
           fb370 =\*+\$02  
 \$B36E: FF FF FF     ISC fffff,X ;IRQ  
 \$B371: FF 00 01     ISC a0100,X  
 \$B374: 01 01       ORA (p01,X)  
 \$B376: 00 FF       BRK #\$FF  
 \$B378: 02     aB378 JAM  
 \$B379: 12     aB379 JAM  
           aB37B =\*+\$01  
           aB37C =\*+\$02  
 \$B37A: 20 FF FF   aB37A JSR fffff ;IRQ  
           sB37E =\*+\$01  
 \$B37D: 00 A9       BRK #\$A9  
 \$B37F: 00 85       BRK #\$85  
 \$B381: 8C A9 0C     STY a0CA9  
 \$B384: 85 8D       STA a8D  
 \$B386: A2 00       LDX #\$00  
 \$B388: A1 8C   bB388 LDA (p8C,X)  
 \$B38A: C9 2F       CMP #\$2F  
 \$B38C: D0 07       BNE bB395  
 \$B38E: A9 00       LDA #\$00  
 \$B390: 81 8C       STA (p8C,X)  
 \$B392: 20 C9 B5     JSR sB5C9  
 \$B395: C9 80   bB395 CMP #\$80

\$B397: 90 03        BCC bB39C  
\$B399: 20 A9 B3        JSR sB3A9  
\$B39C: E6 8C    bB39C    INC a8C  
\$B39E: D0 02        BNE bB3A2  
\$B3A0: E6 8D        INC a8D  
\$B3A2: A5 8D    bB3A2    LDA a8D  
\$B3A4: C9 10        CMP #\$10  
\$B3A6: 90 E0        BCC bB388  
\$B3A8: 60        RTS  
  
\$B3A9: 29 7F    sB3A9    AND #\$7F  
\$B3AB: 8D E2 CA        STA aCAE2  
\$B3AE: A0 00        LDY #\$00  
          bB3B1    =\*+\$01  
\$B3B0: AD E2 CA        LDA aCAE2  
\$B3B3: 29 01        AND #\$01  
\$B3B5: F0 14        BEQ bB3CB  
\$B3B7: A5 8C        LDA a8C  
\$B3B9: 38        SEC  
\$B3BA: E9 20        SBC #\$20  
\$B3BC: 85 8E        STA a8E  
\$B3BE: A5 8D        LDA a8D  
\$B3C0: E9 00        SBC #\$00  
\$B3C2: 29 03        AND #\$03  
\$B3C4: 09 0C        ORA #\$0C



\$B3C6: 85 8F      STA a8F  
\$B3C8: 20 33 B4      JSR sB433  
\$B3CB: C8      bB3CB INY  
\$B3CC: AD E2 CA      LDA aCAE2  
\$B3CF: 29 02      AND #\$02  
\$B3D1: F0 1A      BEQ bB3ED  
\$B3D3: A5 8C      LDA a8C  
\$B3D5: 48      PHA  
\$B3D6: 29 E0      AND #\$E0  
\$B3D8: 8D E3 CA      STA aCAE3  
\$B3DB: 68      PLA  
\$B3DC: 18      CLC  
\$B3DD: 69 01      ADC #\$01  
\$B3DF: 29 1F      AND #\$1F  
\$B3E1: 0D E3 CA      ORA aCAE3  
\$B3E4: 85 8E      STA a8E  
\$B3E6: A5 8D      LDA a8D  
\$B3E8: 85 8F      STA a8F  
\$B3EA: 20 33 B4      JSR sB433  
\$B3ED: C8      bB3ED INY  
\$B3EE: AD E2 CA      LDA aCAE2  
\$B3F1: 29 04      AND #\$04  
\$B3F3: F0 14      BEQ bB409  
\$B3F5: A5 8C      LDA a8C  
\$B3F7: 18      CLC

\$B3F8: 69 20	ADC #\$20
\$B3FA: 85 8E	STA a8E
\$B3FC: A5 8D	LDA a8D
\$B3FE: 69 00	ADC #\$00
\$B400: 29 03	AND #\$03
\$B402: 09 0C	ORA #\$0C
\$B404: 85 8F	STA a8F
\$B406: 20 33 B4	JSR sB433
\$B409: C8	bB409 INY
\$B40A: AD E2 CA	LDA aCAE2
\$B40D: 29 08	AND #\$08
\$B40F: F0 1A	BEQ bB42B
\$B411: A5 8C	LDA a8C
\$B413: 48	PHA
\$B414: 29 E0	AND #\$E0
\$B416: 8D E3 CA	STA aCAE3
\$B419: 68	PLA
\$B41A: 38	SEC
\$B41B: E9 01	SBC #\$01
\$B41D: 29 1F	AND #\$1F
\$B41F: 0D E3 CA	ORA aCAE3
\$B422: 85 8E	STA a8E
\$B424: A5 8D	LDA a8D
\$B426: 85 8F	STA a8F
\$B428: 20 33 B4	JSR sB433

\$B42B: A9 00    bB42B   LDA #\$00

\$B42D: 81 8C            STA (p8C,X)

\$B42F: 20 C9 B5            JSR sB5C9

\$B432: 60            RTS

\$B433: A1 8E    sB433   LDA (p8E,X)

\$B435: F0 12            BEQ bB449

\$B437: 30 10            BMI bB449

\$B439: C9 10            CMP #\$10

\$B43B: B0 0C            BCS bB449

\$B43D: 39 4A B4            AND fB44A,Y

\$B440: D0 02            BNE bB444

\$B442: A9 10            LDA #\$10

\$B444: 81 8E    bB444   STA (p8E,X)

\$B446: 20 F6 B5            JSR sB5F6

\$B449: 60    bB449   RTS

\$B44A: 0B 07    fB44A   ANC #\$07

      sB44E   =\*+\$02

\$B44C: 0E 0D A2            ASL aA20D

\$B44F: 02            JAM

\$B450: 20 5B B4            JSR sB45B

\$B453: 20 5B B4            JSR sB45B

\$B456: A2 00            LDX #\$00

\$B458: 20 5B B4            JSR sB45B

\$B45B: BD C6 B5 sB45B LDA aB5C6,X

\$B45E: F0 12 BEQ bB472

\$B460: 29 7F AND #\$7F

\$B462: C9 08 CMP #\$08

\$B464: F0 0D BEQ bB473

\$B466: C9 09 CMP #\$09

\$B468: F0 0C BEQ bB476

\$B46A: C9 0A CMP #\$0A

\$B46C: F0 0B BEQ bB479

\$B46E: C9 0B CMP #\$0B

\$B470: F0 0A BEQ bB47C

\$B472: 60 bB472 RTS

\$B473: 4C A7 B4 bB473 JMP jB4A7

\$B476: 4C D2 B4 bB476 JMP jB4D2

\$B479: 4C FD B4 bB479 JMP jB4FD

\$B47C: A0 00 bB47C LDY #\$00

\$B47E: 20 74 B5 JSR sB574

\$B481: 20 B7 B5 JSR sB5B7

\$B484: D0 09 BNE bB48F

\$B486: 20 8A B5 JSR sB58A

\$B489: A9 0A LDA #\$0A

\$B48B: 9D C6 B5 STA aB5C6,X

\$B48E: 60 RTS

\$B48F: 20 28 B5 bB48F JSR sB528

\$B492: 20 B7 B5 JSR sB5B7

\$B495: D0 03 BNE bB49A

\$B497: 4C 8A B5 JMP sB58A

\$B49A: BD C6 B5 bB49A LDA aB5C6,X

\$B49D: 30 02 BMI bB4A1

\$B49F: A9 82 LDA #\$82

\$B4A1: 49 82 bB4A1 EOR #\$82

\$B4A3: 9D C6 B5 STA aB5C6,X

\$B4A6: 60 RTS

\$B4A7: A0 00 jB4A7 LDY #\$00

\$B4A9: 20 28 B5 JSR sB528

\$B4AC: 20 B7 B5 JSR sB5B7

\$B4AF: D0 09 BNE bB4BA

\$B4B1: 20 8A B5 JSR sB58A

\$B4B4: A9 0B LDA #\$0B

\$B4B6: 9D C6 B5 STA aB5C6,X

\$B4B9: 60 RTS

\$B4BA: 20 5E B5 bB4BA JSR sB55E

\$B4BD: 20 B7 B5 JSR sB5B7

\$B4C0: D0 03 BNE bB4C5

\$B4C2: 4C 8A B5 JMP sB58A

\$B4C5: BD C6 B5 bB4C5 LDA aB5C6,X

\$B4C8: 30 02 BMI bB4CC

\$B4CA: A9 82 LDA #\$82

\$B4CC: 49 82 bB4CC EOR #\$82

\$B4CE: 9D C6 B5 STA aB5C6,X

\$B4D1: 60 RTS

\$B4D2: A0 00 jB4D2 LDY #\$00

\$B4D4: 20 5E B5 JSR sB55E

\$B4D7: 20 B7 B5 JSR sB5B7

\$B4DA: D0 09 BNE bB4E5

\$B4DC: 20 8A B5 JSR sB58A

\$B4DF: A9 08 LDA #\$08

\$B4E1: 9D C6 B5 STA aB5C6,X

\$B4E4: 60 RTS

\$B4E5: 20 43 B5 bB4E5 JSR sB543

\$B4E8: 20 B7 B5 JSR sB5B7

\$B4EB: D0 03 BNE bB4F0

\$B4ED: 4C 8A B5 JMP sB58A

\$B4F0: BD C6 B5 bB4F0 LDA aB5C6,X

\$B4F3: 30 02 BMI bB4F7

\$B4F5: A9 82 LDA #82

\$B4F7: 49 82 bB4F7 EOR #82

\$B4F9: 9D C6 B5 STA aB5C6,X

\$B4FC: 60 RTS

\$B4FD: A0 00 jB4FD LDY #00

\$B4FF: 20 43 B5 JSR sB543

\$B502: 20 B7 B5 JSR sB5B7

\$B505: D0 09 BNE bB510

\$B507: 20 8A B5 JSR sB58A

\$B50A: A9 09 LDA #09

\$B50C: 9D C6 B5 STA aB5C6,X

\$B50F: 60 RTS

\$B510: 20 74 B5 bB510 JSR sB574

\$B513: 20 B7 B5 JSR sB5B7

\$B516: D0 03 BNE bB51B

\$B518: 4C 8A B5 JMP sB58A

\$B51B: BD C6 B5 bB51B LDA aB5C6,X

\$B51E: 30 02 BMI bB522

\$B520: A9 82 LDA #82

\$B522: 49 82 bB522 EOR #82

\$B524: 9D C6 B5      STA aB5C6,X  
\$B527: 60            RTS  
  
\$B528: BD C2 B5    sB528 LDA fB5C2,X  
\$B52B: 38            SEC  
\$B52C: E9 01        SBC #\$01  
\$B52E: 29 1F        AND #\$1F  
\$B530: 8D 64 82     STA a8264  
\$B533: BD C2 B5     LDA fB5C2,X  
\$B536: 29 E0        AND #\$E0  
\$B538: 0D 64 82     ORA a8264  
\$B53B: 85 8E        STA a8E  
\$B53D: BD C3 B5     LDA fB5C3,X  
\$B540: 85 8F        STA a8F  
\$B542: 60            RTS  
  
\$B543: BD C2 B5    sB543 LDA fB5C2,X  
\$B546: 18            CLC  
\$B547: 69 01        ADC #\$01  
\$B549: 29 1F        AND #\$1F  
\$B54B: 8D 64 82     STA a8264  
\$B54E: BD C2 B5     LDA fB5C2,X  
\$B551: 29 E0        AND #\$E0  
\$B553: 0D 64 82     ORA a8264  
\$B556: 85 8E        STA a8E



\$B558: BD C3 B5 LDA fB5C3,X

\$B55B: 85 8F STA a8F

\$B55D: 60 RTS

\$B55E: BD C2 B5 sB55E LDA fB5C2,X

\$B561: 38 SEC

\$B562: E9 20 SBC #\$20

\$B564: 85 8E STA a8E

\$B566: BD C3 B5 LDA fB5C3,X

\$B569: B0 06 BCS bB571

\$B56B: E9 00 SBC #\$00

\$B56D: 29 03 AND #\$03

\$B56F: 09 0C ORA #\$0C

\$B571: 85 8F bB571 STA a8F

\$B573: 60 RTS

\$B574: BD C2 B5 sB574 LDA fB5C2,X

\$B577: 18 CLC

\$B578: 69 20 ADC #\$20

\$B57A: 85 8E STA a8E

\$B57C: BD C3 B5 LDA fB5C3,X

\$B57F: 90 06 BCC bB587

\$B581: 69 00 ADC #\$00

\$B583: 29 03 AND #\$03

\$B585: 09 0C ORA #\$0C

\$B587: 85 8F    bB587 STA a8F  
\$B589: 60        RTS  
  
\$B58A: 98        sB58A TYA  
\$B58B: 91 8E     STA (p8E),Y  
\$B58D: A5 8F     LDA a8F  
\$B58F: 9D C3 B5   STA fb5C3,X  
\$B592: A5 8E     LDA a8E  
\$B594: 9D C2 B5   STA fb5C2,X  
\$B597: 29 E0     AND #E0  
\$B599: 0A        ASL  
\$B59A: 26 8F     ROL a8F  
\$B59C: 0A        ASL  
\$B59D: 26 8F     ROL a8F  
\$B59F: 8D 64 82   STA a8264  
\$B5A2: A5 8E     LDA a8E  
\$B5A4: 29 1F     AND #1F  
\$B5A6: 0A        ASL  
\$B5A7: 0D 64 82   ORA a8264  
\$B5AA: 85 F9     STA aF9  
\$B5AC: A5 8F     LDA a8F  
\$B5AE: 29 0F     AND #0F  
\$B5B0: 09 30     ORA #30  
\$B5B2: 85 FA     STA aFA

fB5B5 =\*+\$01

\$B5B4: 4C 48 C4      JMP jC448

\$B5B7: A0 00      sB5B7 LDY # \$00

\$B5B9: B1 8E      LDA (p8E),Y

\$B5BB: C9 11      CMP # \$11

\$B5BD: F0 02      BEQ bB5C1

\$B5BF: C9 12      CMP # \$12

\$B5C1: 60      bB5C1 RTS

fB5C3 =\*+ \$01

\$B5C2: 66 0C      fB5C2 ROR a0C

aB5C5 =\*+ \$01

\$B5C4: A6 0C      aB5C4 LDX a0C

\$B5C6: 00 00      aB5C6 BRK # \$00

sB5C9 =\*+ \$01

\$B5C8: 00 A5      aB5C8 BRK # \$A5

\$B5CA: 8D 29 0F      STA a0F29

\$B5CD: 09 0C      ORA # \$0C

\$B5CF: 85 F8      STA aF8

\$B5D1: A5 8C      LDA a8C

\$B5D3: 29 E0      AND # \$E0

\$B5D5: 0A      ASL

\$B5D6: 26 F8      ROL aF8

\$B5D8: 0A      ASL

\$B5D9: 26 F8      ROL aF8

\$B5DB: 85 F7	STA aF7
\$B5DD: A5 8C	LDA a8C
\$B5DF: 29 1F	AND #\$1F
\$B5E1: 0A	ASL
\$B5E2: 05 F7	ORA aF7
\$B5E4: 85 F7	STA aF7
\$B5E6: A0 00	LDY #\$00
\$B5E8: 98	TYA
\$B5E9: 91 F7	STA (pF7),Y
\$B5EB: C8	INY
\$B5EC: 91 F7	STA (pF7),Y
\$B5EE: A0 40	LDY #\$40
\$B5F0: 91 F7	STA (pF7),Y
\$B5F2: C8	INY
\$B5F3: 91 F7	STA (pF7),Y
\$B5F5: 60	RTS
\$B5F6: 0A	sB5F6 ASL
\$B5F7: 0A	ASL
\$B5F8: 85 FB	STA aFB
\$B5FA: A9 F4	LDA #\$F4
\$B5FC: 85 FC	STA aFC
\$B5FE: A5 8F	LDA a8F
\$B600: 29 0F	AND #\$0F
\$B602: 09 0C	ORA #\$0C

\$B604: 85 F8	STA aF8
\$B606: A5 8E	LDA a8E
\$B608: 29 E0	AND #\$E0
\$B60A: 0A	ASL
\$B60B: 26 F8	ROL aF8
\$B60D: 0A	ASL
\$B60E: 26 F8	ROL aF8
\$B610: 85 F7	STA aF7
\$B612: A5 8E	LDA a8E
\$B614: 29 1F	AND #\$1F
\$B616: 0A	ASL
\$B617: 05 F7	ORA aF7
\$B619: 85 F7	STA aF7
\$B61B: A0 00	LDY #\$00
\$B61D: B1 FB	LDA (pFB),Y
\$B61F: 91 F7	STA (pF7),Y
\$B621: C8	INY
\$B622: B1 FB	LDA (pFB),Y
\$B624: 91 F7	STA (pF7),Y
\$B626: C8	INY
\$B627: B1 FB	LDA (pFB),Y
\$B629: 48	PHA
\$B62A: C8	INY
\$B62B: B1 FB	LDA (pFB),Y
\$B62D: A0 41	LDY #\$41

\$B62F: 91 F7 STA (pF7),Y

\$B631: 88 DEY

\$B632: 68 PLA

\$B633: 91 F7 STA (pF7),Y

\$B635: 60 RTS

\$B636: CE 92 AE sB636 DEC aAE92

\$B639: 10 24 BPL bB65F

\$B63B: A9 0B LDA #S0B

\$B63D: 8D 92 AE STA aAE92

\$B640: AD 39 B7 LDA aB739

\$B643: D0 0E BNE bB653

\$B645: CE 3A B7 DEC aB73A

\$B648: D0 15 BNE bB65F

\$B64A: AD 3C B7 LDA aB73C

\$B64D: 8D 3A B7 STA aB73A

\$B650: 4C 60 B6 JMP jB660

\$B653: C9 01 bB653 CMP #S01

\$B655: D0 08 BNE bB65F

\$B657: CE 3A B7 DEC aB73A

\$B65A: D0 03 BNE bB65F

\$B65C: 20 7B B6 JSR sB67B

\$B65F: 60 bB65F RTS

\$B660: A9 11 jB660 LDA #<p1311

\$B662: 8D 36 B7 STA aB736

\$B665: A9 13 LDA #>p1311

\$B667: 8D 37 B7 STA aB737

\$B66A: A9 00 LDA #\$00

\$B66C: 8D 38 B7 STA aB738

\$B66F: EE 39 B7 INC aB739

\$B672: A9 0E LDA #\$0E

\$B674: 20 BA CE JSR sCEBA

\$B677: 20 92 B6 JSR sB692

\$B67A: 60 RTS

\$B67B: A9 01 sB67B LDA #<p1101

\$B67D: 8D 36 B7 STA aB736

\$B680: A9 11 LDA #>p1101

\$B682: 8D 37 B7 STA aB737

\$B685: A9 36 LDA #\$36

\$B687: 8D 38 B7 STA aB738

\$B68A: EE 39 B7 INC aB739

\$B68D: A9 10 LDA #\$10

\$B68F: 20 BA CE JSR sCEBA

\$B692: A9 00 sB692 LDA #<p0C00

\$B694: 85 8E STA a8E

\$B696: A9 0C LDA #>p0C00

\$B698: 85 8F STA a8F

\$B69A: A2 03 LDX #\$03  
\$B69C: A0 00 LDY #\$00  
\$B69E: B1 8E bB69E LDA (p8E),Y  
\$B6A0: 29 7F AND #\$7F  
\$B6A2: C9 1F CMP #\$1F  
\$B6A4: F0 1B BEQ bB6C1  
\$B6A6: 2C 38 B7 BIT aB738  
\$B6A9: F0 0C BEQ bB6B7  
\$B6AB: C9 33 CMP #\$33  
\$B6AD: F0 12 BEQ bB6C1  
\$B6AF: C9 34 CMP #\$34  
\$B6B1: F0 0E BEQ bB6C1  
\$B6B3: C9 35 CMP #\$35  
\$B6B5: F0 0A BEQ bB6C1  
\$B6B7: CD 36 B7 bB6B7 CMP aB736  
\$B6BA: 90 0D BCC bB6C9  
\$B6BC: CD 37 B7 CMP aB737  
\$B6BF: B0 08 BCS bB6C9  
\$B6C1: AD 38 B7 bB6C1 LDA aB738  
\$B6C4: 91 8E STA (p8E),Y  
\$B6C6: 20 D2 B6 JSR sB6D2  
\$B6C9: C8 bB6C9 INY  
\$B6CA: D0 D2 BNE bB69E  
\$B6CC: E6 8F INC a8F  
\$B6CE: CA DEX



\$B6CF: 10 CD      BPL bB69E

\$B6D1: 60      RTS

\$B6D2: 0A      sB6D2 ASL

\$B6D3: 0A      ASL

\$B6D4: 85 FB      STA aFB

\$B6D6: 85 FD      STA aFD

\$B6D8: A9 F4      LDA #\$F4

\$B6DA: 85 FC      STA aFC

\$B6DC: A9 F6      LDA #\$F6

\$B6DE: 85 FE      STA aFE

\$B6E0: 98      TYA

\$B6E1: 48      PHA

\$B6E2: A5 8F      LDA a8F

\$B6E4: 29 03      AND #\$03

\$B6E6: 09 0C      ORA #\$0C

\$B6E8: 85 F8      STA aF8

\$B6EA: 98      TYA

\$B6EB: 29 E0      AND #\$E0

\$B6ED: 0A      ASL

\$B6EE: 26 F8      ROL aF8

\$B6F0: 0A      ASL

\$B6F1: 26 F8      ROL aF8

\$B6F3: 85 F7      STA aF7

\$B6F5: 98      TYA

\$B6F6: 29 1F      AND #\$1F

\$B6F8: 0A      ASL

\$B6F9: 05 F7      ORA aF7

\$B6FB: 85 F7      STA aF7

\$B6FD: 85 F9      STA aF9

\$B6FF: A5 F8      LDA aF8

\$B701: 29 2F      AND #\$2F

\$B703: 85 FA      STA aFA

\$B705: A0 00      LDY #\$00

    fB708 =\*+\$01

\$B707: B1 FB      LDA (pFB),Y

\$B709: 91 F7      STA (pF7),Y

\$B70B: B1 FD      LDA (pFD),Y

\$B70D: 91 F9      STA (pF9),Y

\$B70F: C8      INY

\$B710: B1 FB      LDA (pFB),Y

\$B712: 91 F7      STA (pF7),Y

\$B714: B1 FD      LDA (pFD),Y

\$B716: 91 F9      STA (pF9),Y

\$B718: C8      INY

\$B719: B1 FB      LDA (pFB),Y

\$B71B: 48      PHA

\$B71C: B1 FD      LDA (pFD),Y

\$B71E: 48      PHA

\$B71F: C8      INY

\$B720: B1 FB LDA (pFB),Y  
\$B722: 48 PHA  
\$B723: B1 FD LDA (pFD),Y  
\$B725: A0 41 LDY #\$41  
\$B727: 91 F9 STA (pF9),Y  
\$B729: 68 PLA  
\$B72A: 91 F7 STA (pF7),Y  
\$B72C: 88 DEY  
\$B72D: 68 PLA  
\$B72E: 91 F9 STA (pF9),Y  
\$B730: 68 PLA  
\$B731: 91 F7 STA (pF7),Y  
\$B733: 68 PLA  
\$B734: A8 TAY  
\$B735: 60 RTS

aB737 =\*+\$01

\$B736: 00 00 aB736 BRK #\$00

aB739 =\*+\$01

\$B738: 00 00 aB738 BRK #\$00

aB73B =\*+\$01

\$B73A: 05 1E aB73A ORA a1E

\$B73C: 32 aB73C JAM

aB73E =\*+\$01

aB73F =\*+\$02

\$B73D: FF 04 13      ISC f1304,X  
          aB741 =\*+\$01

\$B740: 00 13    aB740 BRK # \$13  
          aB743 =\*+\$01

\$B742: 00 00    fB742 BRK # \$00  
          aB745 =\*+\$01

\$B744: 01 00    fB744 ORA (p00,X)

\$B746: 0A      fB746 ASL

\$B747: 0A      ASL

\$B748: 00 00    fB748 BRK # \$00  
          aB74B =\*+\$01

\$B74A: 00 00    aB74A BRK # \$00  
          aB74D =\*+\$01

\$B74C: 00 00    fB74C BRK # \$00  
          sB750 =\*+\$02

\$B74E: FF 00 A2   fB74E ISC fA200,X

\$B751: 0E A0 07      ASL a07A0

\$B754: B9 0F 95   bB754 LDA f950F,Y

\$B757: CD 66 82      CMP a8266

\$B75A: D0 21      BNE bB77D

\$B75C: A1 B0      LDA (pB0,X)

\$B75E: F0 1D      BEQ bB77D

\$B760: C9 31      CMP # \$31

\$B762: F0 0C      BEQ bB770

\$B764: C9 36      CMP # \$36

\$B766: F0 08      BEQ bB770  
\$B768: C9 2F      CMP #S2F  
\$B76A: F0 04      BEQ bB770  
\$B76C: C9 11      CMP #S11  
\$B76E: 90 0D      BCC bB77D  
\$B770: AC 0C 91   bB770 LDY a910C  
\$B773: 99 12 91      STA f9112,Y  
\$B776: 99 DB 98      STA f98DB,Y  
\$B779: 20 83 B7      JSR sB783  
\$B77C: 60          RTS  
  
\$B77D: CA      bB77D DEX  
\$B77E: CA          DEX  
\$B77F: 88          DEY  
\$B780: 10 D2      BPL bB754  
\$B782: 60          RTS  
  
\$B783: 48      sB783 PHA  
\$B784: 98          TYA  
\$B785: 48          PHA  
\$B786: AD 0C 91      LDA a910C  
\$B789: 0A          ASL  
\$B78A: A8          TAY  
\$B78B: B5 B0      LDA fB0,X  
\$B78D: 99 C0 00      STA a00C0,Y

\$B790: B5 B1 LDA fB1,X  
\$B792: 99 C1 00 STA f00C1,Y  
\$B795: 68 PLA  
\$B796: A8 TAY  
\$B797: 68 PLA  
\$B798: 60 RTS

\$B799: A9 01 sB799 LDA #s01  
\$B79B: 8D 0D 91 STA a910D  
\$B79E: AE 0D 91 bB79E LDX a910D  
\$B7A1: BD 20 91 LDA a9120,X  
\$B7A4: F0 33 BEQ bB7D9  
\$B7A6: AD 0D 91 LDA a910D  
\$B7A9: 0A ASL  
\$B7AA: AA TAX  
\$B7AB: A1 C0 LDA (pC0,X)  
\$B7AD: F0 2A BEQ bB7D9  
\$B7AF: 8D 41 B7 STA aB741  
\$B7B2: C9 31 CMP #s31  
\$B7B4: F0 1C BEQ bB7D2  
\$B7B6: C9 36 CMP #s36  
\$B7B8: F0 1C BEQ bB7D6  
\$B7BA: C9 30 CMP #s30  
\$B7BC: F0 0E BEQ bB7CC  
\$B7BE: C9 20 CMP #s20

\$B7C0: 90 10      BCC bB7D2  
\$B7C2: C9 2F      CMP #2F  
\$B7C4: B0 0C      BCS bB7D2  
\$B7C6: 20 AD AD      JSR sADAD  
\$B7C9: 4C D9 B7      JMP bB7D9

\$B7CC: 20 DF B7    bB7CC JSR sB7DF  
\$B7CF: 4C D9 B7      JMP bB7D9

\$B7D2: A9 00    bB7D2 LDA #00  
\$B7D4: 81 C0      STA (pC0,X)  
\$B7D6: 20 F0 B7    bB7D6 JSR sB7F0  
\$B7D9: CE 0D 91    bB7D9 DEC a910D  
\$B7DC: 10 C0      BPL bB79E  
\$B7DE: 60          RTS

\$B7DF: 8A      sB7DF TXA  
\$B7E0: 4A      LSR  
\$B7E1: AA      TAX  
\$B7E2: BD 20 91      LDA a9120,X  
\$B7E5: F0 08      BEQ bB7EF  
\$B7E7: BD 71 90      LDA f9071,X  
\$B7EA: F0 03      BEQ bB7EF  
\$B7EC: 20 FA 8E      JSR s8EFA  
\$B7EF: 60      bB7EF RTS

\$B7F0: C9 36	sB7F0	CMP #36
\$B7F2: F0 55		BEQ bB849
\$B7F4: B5 C1		LDA fC1,X
\$B7F6: 29 0F		AND #0F
\$B7F8: 09 0C		ORA #0C
\$B7FA: 85 F8		STA aF8
\$B7FC: B5 C0		LDA fC0,X
\$B7FE: 29 E0		AND #E0
\$B800: 0A		ASL
\$B801: 26 F8		ROL aF8
\$B803: 0A		ASL
\$B804: 26 F8		ROL aF8
\$B806: 85 F7		STA aF7
\$B808: B5 C0	fB808	LDA fC0,X
\$B80A: 29 1F		AND #1F
\$B80C: 0A		ASL
\$B80D: 05 F7		ORA aF7
\$B80F: 85 F7		STA aF7
\$B811: A0 00		LDY #00
\$B813: 98		TYA
\$B814: 91 F7		STA (pF7),Y
\$B816: C8		INY
\$B817: 91 F7		STA (pF7),Y
\$B819: A0 40		LDY #40



\$B81B: 91 F7        STA (pF7),Y  
\$B81D: C8         INY  
\$B81E: 91 F7        STA (pF7),Y  
\$B820: AD 41 B7     LDA aB741  
\$B823: C9 2F        CMP #2F  
\$B825: F0 4A        BEQ bB871  
\$B827: C9 31        CMP #31  
\$B829: F0 59        BEQ bB884  
\$B82B: 38         SEC  
\$B82C: E9 11        SBC #11  
\$B82E: AA         TAX  
\$B82F: 0A         ASL  
\$B830: A8         TAY  
\$B831: B9 14 B9     LDA fb914,Y  
\$B834: 8D 47 B8     STA aB847  
      aB838 =\*+\$01  
\$B837: B9 15 B9     LDA fb915,Y  
\$B83A: 8D 48 B8     STA aB848  
\$B83D: BD 32 B9     LDA fb932,X  
\$B840: 20 BA CE     fb840 JSR sCEBA  
\$B843: AE 0D 91     LDX a910D  
      aB847 =\*+\$01  
      aB848 =\*+\$02  
\$B846: 4C FA B9     JMP jB9FA

\$B849: AE 0D 91 bB849 LDX a910D

\$B84C: BD 20 91 LDA a9120,X

\$B84F: 30 1F BMI bB870

\$B851: 09 80 ORA #\$80

\$B853: 9D 20 91 STA a9120,X

\$B856: AD 93 AE LDA aAE93

\$B859: 9D 17 B0 STA aB017,X

\$B85C: A9 0F LDA #\$0F

\$B85E: 9D 4A B7 STA aB74A,X

\$B861: A9 30 LDA #\$30

\$B863: 9D 4E B7 STA fB74E,X

\$B866: A9 00 LDA #\$00

\$B868: 9D 55 82 STA a8255,X

\$B86B: A9 06 LDA #\$06

\$B86D: 20 BA CE JSR sCEBA

\$B870: 60 bB870 RTS

\$B871: A9 01 bB871 LDA #\$01

\$B873: 8D 13 B9 STA aB913

\$B876: A9 0F LDA #\$0F

\$B878: 8D 4A B7 STA aB74A

\$B87B: 8D 4B B7 STA aB74B

\$B87E: A9 10 LDA #\$10

\$B880: 20 BA CE JSR sCEBA

\$B883: 60 RTS

\$B884: 8A      bB884 TXA  
\$B885: 4A      LSR  
\$B886: AA      TAX  
\$B887: BD 1C 91      LDA f911C,X  
\$B88A: 0A      ASL  
\$B88B: A8      TAY  
\$B88C: B9 AF AF      LDA fAFAF,Y  
\$B88F: 8D A3 B8      STA aB8A3  
\$B892: B9 B0 AF      LDA fAFB0,Y  
\$B895: 8D A4 B8      STA aB8A4  
\$B898: 20 51 B0      JSR sB051  
\$B89B: A2 00      LDX # \$00  
\$B89D: 20 D2 B0      JSR sB0D2  
\$B8A0: 20 E7 B0      JSR sB0E7  
  
    aB8A4 =\*+\$01  
\$B8A3: 00 00      aB8A3 BRK # \$00  
\$B8A5: 20 4F B1      JSR sB14F  
  
    fB8AA =\*+\$02  
\$B8A8: 20 E7 B0      aB8A8 JSR sB0E7  
\$B8AB: C4 B8      CPY aB8  
\$B8AD: 20 4F B1      JSR sB14F  
\$B8B0: 20 E7 B0      JSR sB0E7  
\$B8B3: D9 B8 20      CMP f20B8,Y  
\$B8B6: F7 9F      ISC f9F,X

\$B8B8: A9 10    sB8B8 LDA # \$10  
\$B8BA: 20 BA CE    fB8BA JSR sCEBA  
          aB8BE =\*+\$01  
\$B8BD: 20 24 B0        JSR sB024  
\$B8C0: 20 B4 8E        JSR s8EB4  
\$B8C3: 60            RTS  
  
\$B8C4: 13 01        SLO (p01),Y  
\$B8C6: 48            PHA  
\$B8C7: 41 53        EOR (p53,X)  
\$B8C9: 20 4A 55        JSR s554A  
\$B8CC: 53 54        SRE (p54),Y  
\$B8CE: 20 45 41        JSR s4145  
\$B8D1: 54 45        NOP f45,X  
\$B8D3: 4E 20 53        LSR a5320  
\$B8D6: 4F 4D 45        SRE a454D  
\$B8D9: 0D 01 50        ORA a5001  
\$B8DC: 4F 49 53    aB8DC SRE a5349  
\$B8DF: 4F 4E 45        SRE a454E  
\$B8E2: 44 20        NOP a20  
\$B8E4: 46 4F        LSR a4F  
\$B8E6: 4F 44 21        SRE a2144  
\$B8E9: A2 01    sB8E9 LDX # \$01  
\$B8EB: 20 AD BB        JSR sBBAD  
\$B8EE: CA            DEX

aB8F1 =\*+\$02

\$B8EF: 20 AD BB JSR sBBAD

\$B8F2: 60 RTS

\$B8F3: AD 13 B9 sB8F3 LDA aB913

\$B8F6: F0 1A BEQ bB912

\$B8F8: AD B2 8E LDA a8EB2

\$B8FB: 2D B3 8E AND a8EB3

\$B8FE: 29 0F AND #\$0F

\$B900: C9 0F CMP #\$0F

\$B902: D0 0E BNE bB912

\$B904: 20 7E B3 JSR sB37E

\$B907: A9 00 LDA #\$00

fB90A =\*+\$01

\$B909: 8D 4A B7 STA aB74A

\$B90C: 8D 4B B7 STA aB74B

\$B90F: 8D 13 B9 STA aB913

\$B912: 60 bB912 RTS

fB914 =\*+\$01

\$B913: 00 41 aB913 BRK #\$41

\$B915: B9 41 B9 fB915 LDA fB941,Y

\$B918: FA NOP

\$B919: B9 87 B9 LDA fB987,Y

\$B91C: 87 B9 SAX aB9

\$B91E: 94 B9        STY fB9,X  
\$B920: 94 B9        STY fB9,X  
\$B922: AC B9 AC     LDY aACB9  
\$B925: 9D AF 9D     STA f9DAF,X  
\$B928: B2            JAM  
\$B929: 9D B5 9D     STA f9DB5,X  
\$B92C: B8            CLV  
\$B92D: 9D BB 9D     STA f9DBB,X  
\$B930: D1 B9        CMP (pB9),Y  
\$B932: 0E 0E 11    fB932 ASL a110E  
\$B935: 11 11        ORA (p11),Y  
\$B937: 11 11        ORA (p11),Y  
\$B939: 09 11        ORA #11  
\$B93B: 11 11        ORA (p11),Y  
\$B93D: 11 11        ORA (p11),Y  
\$B93F: 11 07        ORA (p07),Y  
\$B941: 8A        fB941 TXA  
\$B942: 0A        ASL  
\$B943: A8        TAY  
\$B944: B9 C0 00     LDA a00C0,Y  
\$B947: 8D C2 B5     STA fB5C2  
\$B94A: 8D C4 B5     STA aB5C4  
\$B94D: B9 C1 00     LDA f00C1,Y  
\$B950: 8D C3 B5     STA fB5C3  
\$B953: 8D C5 B5     STA aB5C5

\$B956: A9 89      LDA #\$89  
\$B958: 8D C6 B5      STA aB5C6  
\$B95B: A9 8B      LDA #\$8B  
\$B95D: 8D C8 B5      STA aB5C8  
\$B960: DE 42 B7      DEC fB742,X  
\$B963: BD 42 B7      LDA fB742,X  
\$B966: 18      CLC  
\$B967: 7D 36 83      ADC f8336,X  
\$B96A: A8      TAY  
\$B96B: A9 00      LDA #\$00  
\$B96D: 99 9C 43      STA f439C,Y  
\$B970: F8      jB970 SED  
\$B971: BD 0A BA      jB971 LDA aBA0A,X  
\$B974: 18      CLC  
\$B975: 69 01      ADC #\$01  
\$B977: 9D 0A BA      STA aBA0A,X  
\$B97A: BD 0C BA      LDA aBA0C,X  
\$B97D: 69 00      ADC #\$00  
\$B97F: 9D 0C BA      STA aBA0C,X  
\$B982: D8      CLD  
\$B983: EE 3E B7      INC aB73E  
\$B986: 60      RTS  
  
\$B987: F8      fB987 SED  
\$B988: BD 10 BA      aB988 LDA fBA10,X

\$B98B: 18 CLC  
\$B98C: 69 01 ADC #\$01  
\$B98E: 9D 10 BA STA fBA10,X  
\$B991: 4C 71 B9 JMP jB971

\$B994: BD 38 83 jB994 LDA f8338,X

\$B997: 38 SEC  
\$B998: FD 44 B7 SBC fB744,X

\$B99B: A8 TAY

\$B99C: A9 04 LDA #\$04  
\$B99E: 99 9C 43 STA f439C,Y

\$B9A1: A9 03 LDA #\$03  
\$B9A3: 99 9C DB STA fDB9C,Y

\$B9A6: FE 44 B7 INC fB744,X  
\$B9A9: 4C 70 B9 JMP jB970

\$B9AC: A9 FF LDA #\$FF  
\$B9AE: 9D 48 B7 STA fB748,X

\$B9B1: A9 03 LDA #\$03  
\$B9B3: 9D 20 91 STA a9120,X

\$B9B6: 4C 70 B9 JMP jB970

fB9BB =\*+\$02

\$B9B9: BD 38 83 LDA f8338,X  
\$B9BC: 38 SEC



aB9BE =\*+\$01

\$B9BD: FD 44 B7 SBC fB744,X

\$B9C0: A8 TAY

\$B9C1: A9 04 LDA #\$04

\$B9C3: 99 9C 43 STA f439C,Y

\$B9C6: A9 03 LDA #\$03

\$B9C8: 99 98 DB STA fDB98,Y

\$B9CB: FE 44 B7 INC fB744,X

\$B9CE: 4C 70 B9 JMP jB970

\$B9D1: BD 42 B7 LDA fB742,X

\$B9D4: 18 CLC

\$B9D5: 7D 36 83 ADC f8336,X

\$B9D8: A8 TAY

\$B9D9: A9 03 LDA #\$03

\$B9DB: 99 9C 43 STA f439C,Y

\$B9DE: A9 07 LDA #\$07

\$B9E0: 99 9C DB STA fDB9C,Y

\$B9E3: FE 42 B7 INC fB742,X

\$B9E6: 4C 70 B9 JMP jB970

\$B9E9: DE 44 B7 sB9E9 DEC fB744,X

\$B9EC: BD 38 83 LDA f8338,X

\$B9EF: 38 SEC

\$B9F0: FD 44 B7 SBC fB744,X

\$B9F3: A8           TAY  
\$B9F4: A9 00        LDA #00  
\$B9F6: 99 9C 43     STA f439C,Y  
\$B9F9: 60           RTS  
  
\$B9FA: FE 19 B0    jB9FA INC aB019,X  
\$B9FD: AD AD 99     LDA a99AD  
\$BA00: C9 76        CMP #76  
\$BA02: B0 03        BCS bBA07  
          fBA06 =\*+02  
\$BA04: 4C 70 B9     JMP jB970  
  
\$BA07: 60        bBA07 RTS  
  
          aBA09 =\*+01  
\$BA08: 15 00     aBA08 ORA f00,X  
\$BA0A: 08        aBA0A PHP  
          aBA0C =\*+01  
\$BA0B: 00 00     aBA0B BRK #00  
          fBA0E =\*+01  
\$BA0D: 00 49     aBA0D BRK #49  
          fBA10 =\*+01  
\$BA0F: 00 17     aBA0F BRK #17  
          sBA12 =\*+01  
\$BA11: 20 A2 01   aBA11 JSR s01A2

\$BA14: BD 20 91 bBA14 LDA a9120,X  
\$BA17: F0 2D BEQ bBA46  
\$BA19: 30 2B BMI bBA46  
\$BA1B: BD 1E 91 LDA a911E,X  
\$BA1E: F0 03 BEQ bBA23  
\$BA20: DE 1E 91 DEC a911E,X  
\$BA23: F8 bBA23 SED  
\$BA24: BD 0E BA LDA fBA0E,X  
\$BA27: 38 SEC  
\$BA28: E9 01 SBC #\$01  
\$BA2A: 9D 0E BA STA fBA0E,X  
\$BA2D: BD 10 BA aBA2D LDA fBA10,X  
\$BA30: E9 00 SBC #\$00  
\$BA32: 9D 10 BA STA fBA10,X  
\$BA35: B0 0F BCS bBA46  
\$BA37: FE EB C4 INC aC4EB,X  
\$BA3A: D8 CLD  
\$BA3B: A9 00 LDA #\$00  
\$BA3D: 9D 0E BA STA fBA0E,X  
\$BA40: 9D 10 BA STA fBA10,X  
\$BA43: 20 FE 97 JSR s97FE  
\$BA46: CA bBA46 DEX  
\$BA47: 10 CB BPL bBA14  
\$BA49: D8 CLD  
\$BA4A: EE 3E B7 INC aB73E

\$BA4D: AD 45 BB LDA aBB45

\$BA50: F0 03 BEQ bBA55

\$BA52: CE 45 BB DEC aBB45

\$BA55: 60 bBA55 RTS

\$BA56: A2 01 sBA56 LDX #01

\$BA58: BD EB C4 bBA58 LDA aC4EB,X

\$BA5B: F0 0E BEQ bBA6B

\$BA5D: A9 00 LDA #00

\$BA5F: 9D EB C4 STA aC4EB,X

\$BA62: 9D 0E BA STA fBA0E,X

\$BA65: 9D 10 BA STA fBA10,X

\$BA68: 20 FE 97 JSR s97FE

\$BA6B: CA bBA6B DEX

\$BA6C: 10 EA BPL bBA58

\$BA6E: EE 3E B7 INC aB73E

\$BA71: 60 RTS

\$BA72: A2 01 sBA72 LDX #01

\$BA74: BD 20 91 bBA74 LDA a9120,X

\$BA77: 29 40 AND #040

\$BA79: D0 16 BNE bBA91

\$BA7B: BD 48 B7 LDA fB748,X

\$BA7E: F0 2B BEQ bBAAB

\$BA80: DE 48 B7 DEC fB748,X

\$BA83: F0 18        BEQ bBA9D  
\$BA85: BD F4 97        LDA f97F4,X  
\$BA88: 4D 11 91        EOR a9111  
\$BA8B: 8D 11 91        STA a9111  
\$BA8E: 4C AB BA        JMP bBAAB

\$BA91: BD FC 97    bBA91    LDA f97FC,X  
\$BA94: 2D 11 91        AND a9111  
\$BA97: 8D 11 91        STA a9111  
\$BA9A: 4C AB BA        JMP bBAAB

\$BA9D: BD F4 97    bBA9D    LDA f97F4,X  
\$BAA0: 0D 11 91        ORA a9111  
\$BAA3: 8D 11 91        STA a9111  
\$BAA6: A9 01        LDA #\$01

    aBAAA =\*+\$02

\$BAA8: 9D 20 91        STA a9120,X  
\$BAAB: CA        bBAAB    DEX  
\$BAAC: 10 C6        BPL bBA74  
\$BAAE: 60        RTS

\$BAAF: AD 3E B7    sBAAF    LDA aB73E  
\$BAB2: F0 0D        BEQ bBAC1  
\$BAB4: A2 01        LDX #\$01

    fBAB8 =\*+\$02

\$BAB6: 20 C2 BA JSR sBAC2

fBABA =\*+\$01

\$BAB9: A2 00 LDX #\$00

fBABC =\*+\$01

\$BABB: 8E 3E B7 fBABB STX aB73E

\$BABE: 20 C2 BA JSR sBAC2

\$BAC1: 60 bBAC1 RTS

\$BAC2: BD 20 91 sBAC2 LDA a9120,X

\$BAC5: D0 01 BNE bBAC8

\$BAC7: 60 RTS

\$BAC8: BD 36 83 bBAC8 LDA f8336,X

\$BACB: A8 TAY

\$BACC: BD 0C BA LDA aBA0C,X

\$BACF: 29 F0 AND #\$F0

\$BAD1: 4A LSR

\$BAD2: 4A LSR

\$BAD3: 4A LSR

\$BAD4: 4A LSR

\$BAD5: 09 10 ORA #\$10

\$BAD7: 99 75 43 STA f4375,Y

\$BADA: BD 0C BA LDA aBA0C,X

\$BADD: 29 0F AND #\$0F

\$BADF: 09 10 ORA #\$10

\$BAE1: 99 76 43      STA f4376,Y  
\$BAE4: BD 0A BA      LDA aBA0A,X  
\$BAE7: 29 F0      AND #F0  
\$BAE9: 4A      LSR  
\$BAEA: 4A      LSR  
\$BAEB: 4A      LSR  
\$BAEC: 4A      LSR  
\$BAED: 09 10      ORA #10  
\$BAEF: 99 77 43      STA f4377,Y  
\$BAF2: BD 0A BA      LDA aBA0A,X  
\$BAF5: 29 0F      AND #0F  
\$BAF7: 09 10      ORA #10  
\$BAF9: 99 78 43      STA f4378,Y  
          fBAFE =\*+02  
\$BAFC: BD 08 BA      LDA aBA08,X  
\$BAFF: 29 F0    fBAFF AND #F0  
\$BB01: 4A      LSR  
\$BB02: 4A      LSR  
\$BB03: 4A      LSR  
\$BB04: 4A      LSR  
\$BB05: 09 10      ORA #10  
\$BB07: 99 79 43      STA f4379,Y  
\$BB0A: BD 08 BA    fBB0A LDA aBA08,X  
\$BB0D: 29 0F      AND #0F  
\$BB0F: 09 10      ORA #10

\$BB11: 99 7A 43      STA f437A,Y  
\$BB14: BD 10 BA    aBB14 LDA fBA10,X  
\$BB17: 29 F0      AND #\$F0  
\$BB19: 4A        LSR  
\$BB1A: 4A        LSR  
\$BB1B: 4A        LSR  
\$BB1C: 4A        LSR  
\$BB1D: 09 10      ORA #\$10  
\$BB1F: 99 7E 43      STA f437E,Y  
\$BB22: BD 10 BA    aBB22 LDA fBA10,X  
\$BB25: 29 0F      AND #\$0F  
\$BB27: 09 10      ORA #\$10  
\$BB29: 99 7F 43      STA f437F,Y  
\$BB2C: BD 0E BA    aBB2C LDA fBA0E,X  
\$BB2F: 29 F0      AND #\$F0  
\$BB31: 4A        LSR  
\$BB32: 4A        LSR  
\$BB33: 4A        LSR  
\$BB34: 4A        LSR  
\$BB35: 09 10      ORA #\$10  
\$BB37: 99 80 43      STA f4380,Y  
\$BB3A: BD 0E BA    aBB3A LDA fBA0E,X  
\$BB3D: 29 0F      AND #\$0F  
\$BB3F: 09 10      ORA #\$10  
\$BB41: 99 81 43      STA f4381,Y



\$BB44: 60            RTS

      sBB46 =\*+\$01

\$BB45: 00 AD    aBB45 BRK #\$AD

\$BB47: 45 BB        EOR aBB

\$BB49: D0 38        BNE bBB83

\$BB4B: AD 20 91     LDA a9120

\$BB4E: 30 15        BMI bBB65

\$BB50: F0 13        BEQ bBB65

\$BB52: AD 2A 88     LDA a882A

\$BB55: 29 10        AND #\$10

\$BB57: D0 0C        BNE bBB65

\$BB59: AD 2B 88     LDA a882B

\$BB5C: 29 10        AND #\$10

\$BB5E: F0 05    fBB5E BEQ bBB65

\$BB60: A2 00        LDX #\$00

\$BB62: 20 84 BB     JSR sBB84

\$BB65: AD 21 91    bBB65 LDA a9121

\$BB68: 30 19        BMI bBB83

\$BB6A: F0 17        BEQ bBB83

\$BB6C: AD 31 88     LDA a8831

\$BB6F: 29 78        AND #\$78

\$BB71: 49 78        EOR #\$78

\$BB73: F0 0E        BEQ bBB83

\$BB75: AD 30 88     LDA a8830

\$BB78: 29 18      AND #\$18  
\$BB7A: 49 18      EOR #\$18  
\$BB7C: D0 05      BNE bBB83  
\$BB7E: A2 01      LDX #\$01  
\$BB80: 20 84 BB     JSR sBB84  
\$BB83: 60      bBB83 RTS

\$BB84: AD AC BB   sBB84 LDA aBBAC  
\$BB87: D0 1C      BNE bBBA5  
\$BB89: BD 44 B7     LDA fB744,X  
\$BB8C: F0 18      BEQ bBBA6  
\$BB8E: E8         INX  
\$BB8F: E8         INX  
\$BB90: E8         INX  
\$BB91: 8A         TXA  
\$BB92: 8D AC BB     STA aBBAC  
\$BB95: CA         DEX  
\$BB96: CA         DEX  
\$BB97: CA         DEX  
\$BB98: 20 E9 B9     JSR sB9E9  
\$BB9B: A9 02      LDA #\$02  
\$BB9D: 8D 45 BB     STA aBB45  
\$BBA0: A9 05      LDA #\$05  
\$BBA2: 20 BA CE     JSR sCEBA  
\$BBA5: 60      bBBA5 RTS

aBBA7 =\*+\$01

\$BBA6: A9 0D    bBBA6   LDA #\$0D

\$BBA8: 20 BA CE        JSR sCEBA

\$BBAB: 60            RTS

sBBAD =\*+\$01

\$BBAC: 00 BD    aBBAC   BRK #\$BD

fBBAF =\*+\$01

\$BBAE: 20 91 10        JSR s1091

\$BBB1: 52            JAM

\$BBB2: 29 40        AND #\$40

\$BBB4: D0 4E        BNE bBC04

fBBB8 =\*+\$02

\$BBB6: BD 4E B7        LDA fB74E,X

\$BBB9: 4A            LSR

fBBBB =\*+\$01

\$BBBA: 29 07    fBBBA   AND #\$07

\$BBBC: 49 07        EOR #\$07

\$BBBE: A8    aBBBE   TAY

\$BBBF: B9 05 BC        LDA fBC05,Y

\$BBC2: 9D 4C B7        STA fB74C,X

\$BBC5: DE 4E B7        DEC fB74E,X

\$BBC8: 10 2A        BPL bBBF4

\$BBCA: BD 2C 91        LDA a912C,X

\$BBCD: 38 SEC  
\$BBCE: E9 18 SBC #\$18  
\$BBD0: 9D 2C 91 STA a912C,X  
\$BBD3: BD 20 91 LDA a9120,X  
\$BBD6: 09 40 ORA #\$40  
\$BBD8: 9D 20 91 STA a9120,X  
\$BBDB: AD 11 91 LDA a9111  
\$BBDE: 3D FC 97 AND f97FC,X  
\$BBE1: 8D 11 91 STA a9111  
\$BBE4: A9 00 LDA #<a0100  
\$BBE6: 8D 22 91 fBBE6 STA f9122  
\$BBE9: A9 01 LDA #>a0100  
\$BBEB: 8D 23 91 STA a9123  
\$BBEE: A9 00 LDA #\$00  
\$BBF0: 9D 4C B7 STA fB74C,X  
\$BBF3: 60 RTS  
  
\$BBF4: BD 4E B7 bBBF4 LDA fB74E,X  
\$BBF7: C9 0F CMP #\$0F  
\$BBF9: D0 09 BNE bBC04  
\$BBFB: BD 2C 91 LDA a912C,X  
\$BBFE: 18 CLC  
\$BBFF: 69 18 ADC #\$18  
\$BC01: 9D 2C 91 STA a912C,X  
\$BC04: 60 bBC04 RTS

\$BC05: 0E 06 07 fBC05 ASL a0706  
\$BC08: 05 0D ORA a0D  
\$BC0A: 09 0B ORA #0B  
\$BC0C: 0A ASL  
\$BC0D: A9 F5 sBC0D LDA #F5  
\$BC0F: 85 FC STA aFC  
\$BC11: 09 02 ORA #02  
\$BC13: 85 FE STA aFE  
\$BC15: AD 20 91 LDA a9120  
\$BC18: 0D 21 91 ORA a9121  
\$BC1B: F0 4B BEQ bBC68  
\$BC1D: AD 57 82 LDA a8257  
\$BC20: A8 TAY  
\$BC21: 4A LSR  
\$BC22: 8D 69 BC STA aBC69  
\$BC25: C8 INY  
\$BC26: F0 3D BEQ bBC65  
\$BC28: AC 4C BF LDY aBF4C  
\$BC2B: AD AC BB LDA aBBAC  
\$BC2E: D0 4A BNE bBC7A  
\$BC30: AD 54 82 LDA a8254  
\$BC33: 29 06 AND #06  
\$BC35: F0 2E BEQ bBC65  
\$BC37: CC 57 82 CPY a8257

\$BC3A: 90 08      BCC bBC44  
\$BC3C: F0 06      BEQ bBC44  
\$BC3E: AD 54 82      LDA a8254  
\$BC41: 29 01      AND #\$01  
\$BC43: A8      TAY  
\$BC44: 20 6A BC    bBC44    JSR sBC6A  
\$BC47: AD 6D 82      LDA a826D  
\$BC4A: D0 19      BNE bBC65  
\$BC4C: AD 57 82      LDA a8257  
\$BC4F: C9 C0      CMP #\$C0  
\$BC51: B0 12      BCS bBC65  
\$BC53: CC 57 82      CPY a8257  
\$BC56: 90 08      BCC bBC60  
\$BC58: F0 06      BEQ bBC60  
\$BC5A: AD 54 82      LDA a8254  
\$BC5D: 29 01      AND #\$01  
\$BC5F: A8      TAY  
\$BC60: CE 69 BC    bBC60    DEC aBC69  
\$BC63: 10 DF      BPL bBC44  
\$BC65: 8C 4C BF    bBC65    STY aBF4C  
\$BC68: 60      bBC68    RTS

sBC6A    =\*+,\$01

\$BC69: 03 8C    aBC69    SLO (p8C,X)

\$BC6B: 53 82      SRE (p82),Y

\$BC6D: 20 B2 BC JSR sBCB2

\$BC70: B0 05 BCS bBC77

\$BC72: 20 E5 BD JSR sBDE5

\$BC75: B0 02 BCS bBC79

\$BC77: C8 bBC77 INY

\$BC78: C8 INY

\$BC79: 60 bBC79 RTS

\$BC7A: A9 01 bBC7A LDA #\$01

\$BC7C: 8D 63 82 STA a8263

\$BC7F: 8D 22 D0 STA \$D022 ;Background Color 1, Multi-Color Register 0

\$BC82: AD 57 82 LDA a8257

\$BC85: C9 FF CMP #\$FF

\$BC87: F0 1E BEQ bBCA7

\$BC89: A0 00 LDY #\$00

aBC8C =\*+\$01

\$BC8B: 8C 53 82 bBC8B STY a8253

\$BC8E: 20 B2 BC JSR sBCB2

\$BC91: B0 05 BCS bBC98

\$BC93: 20 08 C5 JSR sC508

\$BC96: B0 01 BCS bBC99

\$BC98: C8 bBC98 INY

sBC9B =\*+\$02

\$BC99: AD 57 82 bBC99 LDA a8257

\$BC9C: C9 FF CMP #\$FF

\$BC9E: F0 07        BEQ bBCA7  
\$BCA0: CC 57 82        CPY a8257  
\$BCA3: 90 E6        BCC bBC8B  
\$BCA5: F0 E4        BEQ bBC8B  
      pBCA8 =\*+\$01  
\$BCA7: A9 00    bBCA7 LDA #\$00  
\$BCA9: 8D AC BB        STA aBBAC  
\$BCAC: A9 0B    aBCAC LDA #\$0B  
\$BCAE: 8D 63 82        STA a8263  
\$BCB1: 60        RTS  
  
\$BCB2: B9 00 04    sBCB2 LDA a0400,Y  
\$BCB5: 4A        LSR  
\$BCB6: 38        SEC  
\$BCB7: ED 3A 88        SBC a883A  
\$BCBA: 18        CLC  
      aBCBC =\*+\$01  
\$BCBB: 69 01        ADC #\$01  
      aBCBE =\*+\$01  
\$BCBD: 29 3F        AND #\$3F  
\$BCBF: C9 22        CMP #\$22  
\$BCC1: B0 14        BCS bBCD7  
\$BCC3: B9 C0 04        LDA f04C0,Y  
\$BCC6: 4A        LSR  
\$BCC7: 38        SEC



\$BCC8: ED 3C 88      SBC a883C

\$BCCB: 18            CLC

\$BCCC: 69 01        ADC #\$01

\$BCCE: 29 3F        AND #\$3F

\$BCD0: C9 16        CMP #\$16

\$BCD2: B0 03        BCS bBCD7

\$BCD4: 18            CLC

\$BCD5: 60            RTS

\$BCD6: 38            SEC

\$BCD7: 60      bBCD7   RTS

\$BCD8: B9 80 05    sBCD8   LDA f0580,Y

\$BCDB: 29 38        AND #\$38

\$BCDD: F0 0D        BEQ bBCEC

\$BCDF: 8A            TXA

\$BCE0: 48            PHA

\$BCE1: AE 64 82     LDX a8264

\$BCE4: BD 7A C0     LDA fc07A,X

\$BCE7: 4A            LSR

\$BCE8: 68            PLA

\$BCE9: AA            TAX

\$BCEA: B0 1F        BCS bBDOB

\$BCEC: BD 62 C0    bBCEC   LDA fc062,X

\$BCEF: 1D 64 C0     ORA fc064,X

```
$BCF2: D0 03      BNE bBCF7
$BCF4: 4C A6 BD      JMP jBDA6

$BCF7: BD 62 C0  bBCF7  LDA fc062,X
$BCFA: 18          CLC
$BCFB: 69 04      ADC #04
$BCFD: C9 09      CMP #09
$BCFF: B0 0A      BCS bBD0B
$BD01: BD 64 C0      LDA fc064,X
$BD04: 18          CLC
$BD05: 69 04      ADC #04
          fBD08  =*+01
$BD07: C9 09      CMP #09
          fBD0A  =*+01
$BD09: 90 02      BCC bBD0D
$BD0B: 18  bBD0B  CLC
$BD0C: 60          RTS

$BD0D: B9 80 05  bBD0D  LDA f0580,Y
$BD10: 29 38      AND #38
$BD12: D0 06      BNE bBD1A
$BD14: 20 C9 BD      JSR sBDC9
$BD17: B0 01      BCS bBD1A
$BD19: 60          RTS
```

\$BD1A: A9 01    bBD1A LDA #\$01

\$BD1C: 8D D0 C0        STA aC0D0

\$BD1F: 20 8B C4        JSR sC48B

\$BD22: AC 53 82        LDY a8253

\$BD25: 90 01        BCC bBD28

\$BD27: 60        RTS

\$BD28: B9 80 05    bBD28 LDA f0580,Y

\$BD2B: 29 38        AND #\$38

\$BD2D: F0 0E        BEQ bBD3D

\$BD2F: C9 28        CMP #\$28

\$BD31: F0 35        BEQ bBD68

\$BD33: A9 0A        LDA #\$0A

\$BD35: 20 BA CE        JSR sCEBA

\$BD38: AC 53 82        LDY a8253

\$BD3B: 18        CLC

\$BD3C: 60        RTS

\$BD3D: 20 63 C6    bBD3D JSR sC663

\$BD40: AE 57 82        LDX a8257

\$BD43: BD 00 04        LDA a0400,X

\$BD46: 99 00 04        STA a0400,Y

\$BD49: BD C0 04        LDA f04C0,X

\$BD4C: 99 C0 04        STA f04C0,Y

\$BD4F: BD 80 05        LDA f0580,X

\$BD52: 99 80 05 STA f0580,Y  
\$BD55: BD 40 06 LDA f0640,X  
\$BD58: 99 40 06 STA f0640,Y  
\$BD5B: CE 57 82 DEC a8257  
\$BD5E: A9 00 LDA #\$00  
\$BD60: 20 BA CE JSR sCEBA  
\$BD63: AC 53 82 LDY a8253  
\$BD66: 38 SEC  
\$BD67: 60 RTS  
  
\$BD68: B9 40 06 bBD68 LDA f0640,Y  
\$BD6B: 09 01 ORA #\$01  
\$BD6D: 99 40 06 STA f0640,Y  
\$BD70: B9 00 07 LDA f0700,Y  
\$BD73: 38 SEC  
\$BD74: E9 01 SBC #\$01  
\$BD76: 99 00 07 STA f0700,Y  
\$BD79: F0 2B BEQ jBDA6  
\$BD7B: F8 SED  
\$BD7C: 38 SEC  
\$BD7D: BD 0E BA aBD7D LDA fBA0E,X  
\$BD80: E9 04 SBC #\$04  
\$BD82: 9D 0E BA STA fBA0E,X  
\$BD85: B0 0E BCS bBD95  
\$BD87: BD 10 BA aBD87 LDA fBA10,X

\$BD8A: E9 00      SBC #\$00  
\$BD8C: 9D 10 BA      STA fBA10,X  
\$BD8F: B0 04      BCS bBD95  
\$BD91: D8      CLD  
\$BD92: 20 FE 97      JSR s97FE  
\$BD95: EE 3E B7    bBD95    INC aB73E  
\$BD98: D8      CLD  
\$BD99: 8A      TXA  
\$BD9A: 48      PHA  
\$BD9B: A9 02      LDA #\$02  
\$BD9D: 20 BA CE      JSR sCEBA  
\$BDA0: 68      PLA  
\$BDA1: AA      TAX  
\$BDA2: AC 53 82      LDY a8253  
\$BDA5: 60      RTS  
  
\$BDA6: AE 57 82    jBDA6    LDX a8257  
\$BDA9: BD 00 04      LDA a0400,X  
\$BDAC: 99 00 04      STA a0400,Y  
\$BDAF: BD C0 04      LDA f04C0,X  
\$BDB2: 99 C0 04      STA f04C0,Y  
\$BDB5: BD 80 05      LDA f0580,X  
\$BDB8: 99 80 05      STA f0580,Y  
  
fBDBC =\*+\$01  
\$BDBB: BD 40 06      LDA f0640,X

\$BDBE: 99 40 06      STA f0640,Y  
\$BDC1: CE 57 82      DEC a8257  
\$BDC4: AC 53 82      LDY a8253  
\$BDC7: 38            SEC  
\$BDC8: 60            RTS  
  
\$BDC9: BD 62 C0    sBDC9   LDA fc062,X  
\$BDCC: 18            CLC  
\$BDCD: 69 04        ADC #\$04  
\$BDCF: F0 06        BEQ bBDD7  
\$BDD1: C9 08        CMP #\$08  
\$BDD3: F0 02        BEQ bBDD7  
\$BDD5: 38      bBDD5   SEC  
\$BDD6: 60            RTS  
  
\$BDD7: BD 64 C0    bBDD7   LDA fc064,X  
\$BDDA: 18            CLC  
\$BDDB: 69 04        ADC #\$04  
\$BDDD: F0 04        BEQ bBDE3  
\$BDDF: C9 08        CMP #\$08  
\$BDE1: D0 F2        BNE bBDD5  
\$BDE3: 18      bBDE3   CLC  
\$BDE4: 60            RTS  
  
\$BDE5: A9 00      sBDE5   LDA #\$00

\$BDE7: 8D D0 C0      STA aC0D0  
\$BDEA: B9 00 04      LDA a0400,Y  
\$BDED: 8D 4D BF      STA aBF4D  
\$BDF0: B9 C0 04      LDA f04C0,Y  
\$BDF3: 8D 4E BF      STA aBF4E  
\$BDF6: 20 9E BE      JSR sBE9E  
\$BDF9: 20 39 C4      JSR sC439  
\$BDFF: AC 53 82      LDY a8253  
\$BDFC: 20 6F BF      JSR sBF6F  
\$BE02: 29 01          AND #\$01  
\$BE04: F0 08          BEQ bBE0E

fBE08 =\*+\$02

\$BE06: AD D0 C0      LDA aC0D0  
\$BE09: D0 03          BNE bBE0E  
\$BE0B: 20 9A C0      JSR sC09A  
\$BE0E: 20 BD BE      bBE0E JSR sBEBD  
\$BE11: AD D0 C0      LDA aC0D0  
\$BE14: D0 1A          BNE bBE30  
\$BE16: 20 CB BE      JSR sBECB  
\$BE19: 20 9E BE      JSR sBE9E  
\$BE1C: 20 EA BE      JSR sBEEA  
\$BE1F: F0 2B          BEQ bBE4C  
\$BE21: AC 53 82      LDY a8253  
\$BE24: B9 00 04      LDA a0400,Y

fBE28 =\*+\$01

\$BE27: 8D 4D BF STA aBF4D  
\$BE2A: B9 C0 04 LDA f04C0,Y  
\$BE2D: 8D 4E BF STA aBF4E  
\$BE30: 20 9E BE bBE30 JSR sBE9E  
\$BE33: B9 80 05 LDA f0580,Y  
\$BE36: 29 F8 AND #\$F8  
\$BE38: 0D 38 C4 ORA aC438  
\$BE3B: 99 80 05 STA f0580,Y  
\$BE3E: B9 40 06 LDA f0640,Y  
\$BE41: 29 F7 AND #\$F7  
\$BE43: 99 40 06 STA f0640,Y  
\$BE46: 20 BD BE JSR sBEBD  
\$BE49: 4C 7A BE JMP jBE7A

\$BE4C: AC 53 82 bBE4C LDY a8253  
\$BE4F: B9 80 05 LDA f0580,Y  
\$BE52: 29 38 AND #\$38  
\$BE54: C9 20 CMP #\$20  
\$BE56: D0 22 BNE jBE7A  
\$BE58: B9 40 06 LDA f0640,Y  
\$BE5B: 29 80 AND #\$80  
\$BE5D: D0 08 BNE bBE67  
\$BE5F: B9 40 06 LDA f0640,Y  
\$BE62: 49 08 EOR #\$08  
\$BE64: 99 40 06 STA f0640,Y



\$BE67: B9 40 06 bBE67 LDA f0640,Y

\$BE6A: 18 CLC

\$BE6B: 69 40 ADC #\$40

\$BE6D: 99 40 06 STA f0640,Y

\$BE70: 29 08 AND #\$08

\$BE72: F0 06 BEQ jBE7A

\$BE74: 20 90 CC JSR sCC90

\$BE77: 4C 80 BE JMP jBE80

\$BE7A: 20 5E CB jBE7A JSR sCB5E

\$BE7D: 20 3C CC JSR aCC3C

\$BE80: AC 53 82 jBE80 LDY a8253

\$BE83: 20 7D C5 JSR sC57D

\$BE86: AD 4D BF LDA aBF4D

\$BE89: 99 00 04 STA a0400,Y

\$BE8C: AD 4E BF LDA aBF4E

\$BE8F: 99 C0 04 STA f04C0,Y

\$BE92: 18 CLC

\$BE93: 60 RTS

\$BE94: B9 40 06 LDA f0640,Y

\$BE97: 29 DF AND #\$DF

\$BE99: 99 40 06 STA f0640,Y

\$BE9C: 18 CLC

\$BE9D: 60 RTS

\$BE9E: AD 4D BF sBE9E LDA aBF4D

\$BEA1: 0A ASL

\$BEA2: 85 F7 STA aF7

\$BEA4: AD 4E BF LDA aBF4E

\$BEA7: 29 7E AND #\$7E

\$BEA9: 4A LSR

\$BEAA: 4A LSR

\$BEAB: 66 F7 ROR aF7

\$BEAD: 4A LSR

\$BEAE: 66 F7 ROR aF7

\$BEB0: 09 20 ORA #\$20

\$BEB2: 85 F8 STA aF8

\$BEB4: 09 30 ORA #\$30

\$BEB6: 85 FA STA aFA

fBEB9 =\*+\$01

\$BEB8: A5 F7 LDA aF7

fBEBB =\*+\$01

\$BEBA: 85 F9 STA aF9

\$BEBC: 60 RTS

fBEBE =\*+\$01

fBEBF =\*+\$02

\$BEBD: B9 80 05 sBEBD LDA f0580,Y

\$BEC0: 29 3F AND #\$3F

\$BEC2: 09 40      ORA #\$40

\$BEC4: 0A      ASL

\$BEC5: 0A      ASL

\$BEC6: 85 FB      STA aFB

\$BEC8: 85 FD      STA aFD

\$BECA: 60      RTS

\$BECB: B9 80 05    sBECB   LDA f0580,Y

\$BECE: 29 07      AND #\$07

\$BED0: AA      TAX

\$BED1: B9 00 04      LDA a0400,Y

\$BED4: 18      CLC

\$BED5: 7D 5F BF      ADC fBF5F,X

\$BED8: 29 7E      AND #\$7E

\$BEDA: 8D 4D BF      STA aBF4D

\$BEDD: B9 C0 04      LDA f04C0,Y

\$BEE0: 18      CLC

\$BEE1: 7D 4F BF      ADC fBF4F,X

\$BEE4: 29 7E      AND #\$7E

\$BEE6: 8D 4E BF      STA aBF4E

\$BEE9: 60      RTS

\$BEEA: AC 53 82    sBEEA   LDY a8253

\$BEED: A9 7D      LDA #\$7D

\$BEEF: CD 4D BF      CMP aBF4D

\$BEF2: 90 17	BCC bBF0B
\$BEF4: CD 4E BF	CMP aBF4E
\$BEF7: 90 12	BCC bBF0B
\$BEF9: A0 00	sBEF9 LDY #\$00
\$BEFB: B1 F9	LDA (pF9),Y
\$BEFD: C8	INY
fBEFF =*+\$01	
\$BEFE: 11 F9	ORA (pF9),Y
\$BF00: A0 40	LDY #\$40
\$BF02: 11 F9	ORA (pF9),Y
\$BF04: C8	INY
\$BF05: 11 F9	ORA (pF9),Y
\$BF07: 0D D0 C0	ORA aC0D0
\$BF0A: 60	RTS
\$BF0B: A5 F9	bBF0B LDA aF9
\$BF0D: 48	PHA
\$BF0E: 29 3F	AND #\$3F
\$BF10: AA	TAX
\$BF11: 45 F9	EOR aF9
\$BF13: 85 F9	STA aF9
\$BF15: A5 FA	LDA aFA
\$BF17: 48	PHA
\$BF18: BC 00 8E	LDY f8E00,X
\$BF1B: B1 F9	LDA (pF9),Y

\$BF1D: BC 01 8E	LDY f8E01,X
\$BF20: 11 F9	ORA (pF9),Y
\$BF22: 48	PHA
\$BF23: A5 F9	LDA aF9
\$BF25: 69 40	ADC #\$40
\$BF27: 85 F9	STA aF9
\$BF29: 90 0A	BCC bBF35
\$BF2B: A5 FA	LDA aFA
\$BF2D: 69 00	ADC #\$00
\$BF2F: 29 0F	AND #\$0F
\$BF31: 09 30	ORA #\$30
\$BF33: 85 FA	STA aFA
\$BF35: BC 00 8E	bBF35 LDY f8E00,X
\$BF38: 68	PLA
\$BF39: 11 F9	ORA (pF9),Y
\$BF3B: BC 01 8E	LDY f8E01,X
\$BF3E: 11 F9	ORA (pF9),Y
\$BF40: 0D D0 C0	fBF40 ORA aC0D0
\$BF43: AA	TAX
\$BF44: 68	PLA
\$BF45: 85 FA	STA aFA
\$BF47: 68	PLA
\$BF48: 85 F9	STA aF9
\$BF4A: 8A	TXA
\$BF4B: 60	RTS

aBF4D =\*+\$01

\$BF4C: 03 3C aBF4C SLO (p3C,X)

fBF4F =\*+\$01

\$BF4E: 04 FE aBF4E NOP aFE

\$BF50: FE 00 02 INC p0200,X

\$BF53: 02 JAM

\$BF54: 02 JAM

\$BF55: 00 FE BRK #FE

\$BF57: FD FD 00 SBC f00FD,X

\$BF5A: 03 03 SLO (p03,X)

\$BF5C: 03 00 SLO (p00,X)

fBF5F =\*+\$01

\$BF5E: FD 00 02 SBC p0200,X

\$BF61: 02 JAM

\$BF62: 02 JAM

\$BF63: 00 FE BRK #FE

\$BF65: FE FE 00 INC f00FE,X

\$BF68: 03 03 SLO (p03,X)

\$BF6A: 03 00 SLO (p00,X)

\$BF6C: FD FD FD SBC aFDFD,X

\$BF6F: A2 01 sBF6F LDX #01

\$BF71: BD 20 91 bBF71 LDA a9120,X

\$BF74: 30 46 BMI bBFBC

fBF77 =\*+\$01

\$BF76: F0 44        BEQ bBFBC  
\$BF78: C9 03        CMP #03  
\$BF7A: F0 40        BEQ bBFBC  
\$BF7C: BD 04 91     LDA f9104,X  
\$BF7F: 4A           LSR  
\$BF80: 8D 65 82     STA a8265  
\$BF83: B9 00 04     LDA a0400,Y  
\$BF86: 38           SEC  
\$BF87: ED 65 82     SBC a8265  
\$BF8A: 20 8A C0     JSR sC08A  
\$BF8D: 9D 62 C0     STA fC062,X  
\$BF90: 30 05        BMI bBF97  
\$BF92: 49 FF        EOR #FF  
\$BF94: 18           CLC  
\$BF95: 69 01        ADC #01  
\$BF97: 8D 64 82    bBF97 STA a8264  
\$BF9A: BD 06 91     LDA f9106,X  
\$BF9D: 4A           LSR  
                  aBF9F =\*+01  
\$BF9E: 8D 65 82     STA a8265  
\$BFA1: B9 C0 04     LDA f04C0,Y  
\$BFA4: 38           SEC  
\$BFA5: ED 65 82     SBC a8265  
\$BFA8: 20 8A C0     JSR sC08A  
\$BFAB: 9D 64 C0     STA fC064,X

\$BFAE: 30 05    aBFAE BMI bBFb5

\$BFb0: 49 FF        EOR #\$FF

\$BFb2: 18        CLC

\$BFb3: 69 01        ADC #\$01

\$BFb5: 18    bBFb5 CLC

\$BFb6: 6D 64 82        ADC a8264

\$BFb9: 9D 66 C0        STA fc066,X

\$BFbC: CA    bBFbC DEX

\$BFbD: 10 B2        BPL bBF71

\$BFbF: 20 32 C0    fBFbF JSR sC032

\$BFc2: A9 00        LDA #\$00

\$BFc4: 8D 69 C0        STA aC069

\$BFc7: B9 80 05        LDA f0580,Y

\$BFcA: 29 38        AND #\$38

\$BFcC: C9 18        CMP #\$18

    aBFcF =\*+\$01

\$BFcE: D0 0C        BNE bBFDC

\$BFd0: BD 66 C0        LDA fc066,X

\$BFd3: C9 18        CMP #\$18

\$BFd5: B0 05        BCS bBFDC

\$BFd7: A9 04        LDA #\$04

\$BFd9: 8D 69 C0        STA aC069

\$BFdC: A9 0F    bBFdC LDA #\$0F

    aBFdF =\*+\$01

\$BFdE: 8D 64 82        STA a8264



```

$BFE1: BD 62 C0      LDA fc062,X
$BFE4: F0 0D        BEQ bBFF3
$BFE6: 30 03        BMI bBFEB
$BFE8: A9 0B        LDA # $0B
                    bBFEB =*+$01
$BFEA: 2C A9 07      BIT a07A9
                    fBFEB =*+$02
$BFED: 2D 64 82      AND a8264
$BFF0: 8D 64 82      STA a8264
$BFF3: BD 64 C0 bBFF3 LDA fc064,X
$BFF6: F0 0D        BEQ bC005
$BFF8: 30 03        BMI fBFFD
$BFFA: A9 0E        LDA # $0E
                    fBFFD =*+$01
$BFFC: 2C A9 0D fBFFC BIT a0DA9
$BFFF: 2D 64 82      AND a8264
$C002: 8D 64 82      STA a8264
$C005: 20 D8 BC bC005 JSR sBCD8
$C008: B0 24        BCS bC02E
$C00A: AE 64 82      LDX a8264
$C00D: BD 6A C0      LDA fc06A,X
$C010: 8D 68 C0      STA aC068
$C013: B9 80 05      LDA f0580,Y
$C016: 29 F8        AND # $F8
$C018: 1D 7A C0      ORA fc07A,X

```

\$C01B: 4D 69 C0      EOR aC069  
\$C01E: 99 80 05      STA f0580,Y  
\$C021: BD 7A C0      LDA fC07A,X  
\$C024: 4D 69 C0      EOR aC069  
\$C027: 8D 38 C4      STA aC438  
\$C02A: 8D 89 C0      STA aC089  
\$C02D: 60            RTS

\$C02E: 68      bC02E PLA  
\$C02F: 68      PLA  
\$C030: 38      SEC  
\$C031: 60      RTS

\$C032: A9 00      sC032 LDA #\$00  
\$C034: 8D 60 C0      STA aC060  
\$C037: AD 66 C0      LDA fC066  
                 aC03C =\*+\$02  
\$C03A: CD 67 C0      CMP aC067  
\$C03D: 90 03      BCC bC042  
\$C03F: EE 60 C0      fC03F INC aC060  
\$C042: A2 00      bC042 LDX #\$00  
\$C044: AD 20 91      LDA a9120  
\$C047: 30 03      BMI bC04C  
\$C049: F0 01      BEQ bC04C  
\$C04B: E8            INX

\$C04C: AD 21 91 bC04C LDA a9121

\$C04F: 30 04 BMI bC055

\$C051: F0 02 BEQ bC055

\$C053: E8 INX

\$C054: E8 INX

\$C055: BD 5D C0 bC055 LDA fC05D,X

\$C058: AA TAX

\$C059: 8E 61 C0 STX aC061

\$C05C: 60 RTS

\$C05D: 00 00 fC05D BRK # \$00

aC060 =\*+\$01

\$C05F: 01 01 ORA (p01,X)

fC062 =\*+\$01

\$C061: 00 17 aC061 BRK # \$17

fC064 =\*+\$01

\$C063: 00 10 BRK # \$10

fC066 =\*+\$01

\$C065: 00 07 BRK # \$07

aC068 =\*+\$01

\$C067: 00 05 aC067 BRK # \$05

fC06A =\*+\$01

\$C069: 00 00 aC069 BRK # \$00

\$C06B: 00 00 BRK # \$00

\$C06D: 00 00 BRK # \$00

\$C06F: 0A ASL  
\$C070: 09 0B aC070 ORA # \$0B  
fc073 =\*+\$01  
\$C072: 00 06 BRK # \$06  
\$C074: 05 07 ORA a07  
\$C076: 00 0E BRK # \$0E  
fc07A =\*+\$02  
\$C078: 0D 0F 00 ORA a000F  
\$C07B: 00 00 BRK # \$00  
\$C07D: 00 00 BRK # \$00  
\$C07F: 03 01 SLO (p01,X)  
\$C081: 02 JAM  
\$C082: 00 05 BRK # \$05  
\$C084: 07 06 SLO a06  
\$C086: 00 04 BRK # \$04  
aC089 =\*+\$01  
\$C088: 00 07 BRK # \$07  
\$C08A: 30 07 sC08A BMI bC093  
\$C08C: C9 40 CMP # \$40  
\$C08E: 90 02 BCC bC092  
\$C090: 49 80 EOR # \$80  
\$C092: 60 bC092 RTS  
\$C093: C9 C0 bC093 CMP # \$C0  
\$C095: B0 FB BCS bC092

\$C097: 49 80        EOR #80  
\$C099: 60         RTS  
  
\$C09A: AD 38 C4    sC09A LDA aC438  
\$C09D: 29 06        AND #806  
\$C09F: AA         TAX  
\$C0A0: BD D1 C0     LDA fC0D1,X  
\$C0A3: 8D B1 C0     STA aC0B1  
\$C0A6: BD D2 C0     LDA fC0D2,X  
\$C0A9: 8D B2 C0     STA aC0B2  
\$C0AC: A9 00        LDA #800  
\$C0AE: 85 2A        STA a2A  
  
      aC0B1 =\*+801  
      aC0B2 =\*+802  
  
\$C0B0: 20 22 C1     JSR sC122  
\$C0B3: AD 69 C0     LDA aC069  
\$C0B6: F0 06        BEQ bC0BE  
\$C0B8: AD 68 C0     LDA aC068  
\$C0BB: 4C C1 C0     JMP jC0C1  
  
      aC0C0 =\*+802  
  
\$C0BE: AD 64 82    bC0BE LDA a8264  
\$C0C1: 05 2A     jC0C1 ORA a2A  
\$C0C3: AA         TAX  
\$C0C4: B9 80 05     LDA f0580,Y

\$C0C7: 29 F8      AND #\$F8  
\$C0C9: 1D 7A C0     ORA fc07A,X  
\$C0CC: 99 80 05     STA f0580,Y  
\$C0CF: 60          RTS

fcOD1 =\*+\$01

\$C0D0: 00 E4   aCOD0 BRK #\$E4  
\$C0D2: C1 5D   fcOD2 CMP (p5D,X)  
\$C0D4: C3 A3     DCP (pA3,X)  
\$C0D6: C2 22     NOP #\$22  
\$C0D8: C1 00     CMP (p00,X)  
\$C0DA: 00 01     BRK #\$01  
\$C0DC: 08        PHP  
\$C0DD: 00 00     BRK #\$00  
\$C0DF: 08        PHP  
\$C0E0: 02        JAM  
\$C0E1: 00 00     BRK #\$00  
\$C0E3: 02        JAM  
\$C0E4: 04 00     NOP a00  
\$C0E6: 00 04     BRK #\$04  
\$C0E8: 01 00     ORA (p00,X)  
\$C0EA: 00 FF     BRK #\$FF

sCOED =\*+\$01

\$C0EC: 01 A9     ORA (pA9,X)  
\$C0EE: F5 85     SBC f85,X

\$C0F0: FC 09 02      NOP f0209,X  
\$C0F3: 85 FE      STA aFE  
\$C0F5: AC 57 82      LDY a8257  
\$C0F8: C0 FF      CPY #\$FF  
\$C0FA: F0 25      BEQ bC121  
\$C0FC: 98      aC0FC TYA  
\$C0FD: 48      PHA  
\$C0FE: A9 00      LDA #\$00  
\$C100: 85 2A      STA a2A  
\$C102: B9 00 04      LDA a0400,Y  
\$C105: 8D 4D BF      STA aBF4D  
fC10A =\*+\$02  
\$C108: B9 C0 04      LDA f04C0,Y  
\$C10B: 8D 4E BF      aC10B STA aBF4E  
\$C10E: 20 BD BE      JSR sBEBD  
\$C111: 20 9E BE      JSR sBE9E  
\$C114: 20 CD CB      JSR sCBCD  
\$C117: 20 5E CB      JSR sCB5E  
\$C11A: 68      PLA  
\$C11B: A8      TAY  
\$C11C: 88      DEY  
\$C11D: C0 FF      CPY #\$FF  
\$C11F: D0 DB      BNE aC0FC  
\$C121: 60      bC121 RTS

\$C122: 98      sC122 TYA

\$C123: AA      TAX

\$C124: BD 00 04      LDA a0400,X

\$C127: 8D 36 C4      STA aC436

\$C12A: BD C0 04      LDA f04C0,X

\$C12D: 8D 37 C4      STA aC437

\$C130: CE 37 C4      DEC aC437

\$C133: CE 36 C4      DEC aC436

\$C136: 20 14 C4      JSR sC414

\$C139: 90 38      BCC bC173

\$C13B: A0 01      LDY #S01

\$C13D: B1 F7      LDA (pF7),Y

\$C13F: C8      INY

        fC141 =\*+S01

\$C140: 11 F7      ORA (pF7),Y

\$C142: F0 06      BEQ bC14A

\$C144: A9 01      LDA #S01

\$C146: 05 2A      ORA a2A

\$C148: 85 2A      STA a2A

\$C14A: A0 40      bC14A LDY #S40

\$C14C: B1 F7      LDA (pF7),Y

\$C14E: A0 80      LDY #S80

\$C150: 11 F7      ORA (pF7),Y

\$C152: F0 06      BEQ bC15A

        fC155 =\*+S01



\$C154: A9 04      LDA #\$04  
\$C156: 05 2A      ORA a2A  
\$C158: 85 2A      STA a2A  
\$C15A: A5 2A    bC15A LDA a2A  
\$C15C: D0 12      BNE bC170  
\$C15E: A0 00      LDY #\$00  
\$C160: B1 F7      LDA (pF7),Y  
\$C162: F0 0C      BEQ bC170  
\$C164: AD E3 C1    LDA aC1E3  
\$C167: 49 05      EOR #\$05  
\$C169: 8D E3 C1    STA aC1E3  
\$C16C: 05 2A      ORA a2A  
\$C16E: 85 2A      STA a2A  
\$C170: 8A      bC170 TXA  
\$C171: A8      TAY  
\$C172: 60      RTS  
  
\$C173: 8A      bC173 TXA  
\$C174: 48      PHA  
\$C175: A5 F7      LDA aF7  
\$C177: 29 3F      AND #\$3F  
\$C179: AA      TAX  
\$C17A: 45 F7      EOR aF7  
\$C17C: 85 F7      STA aF7  
\$C17E: BC 00 8E    LDY f8E00,X

\$C181: B1 F7	LDA (pF7),Y
\$C183: 85 2B	STA a2B
\$C185: BC 01 8E	LDY f8E01,X
\$C188: B1 F7	LDA (pF7),Y
\$C18A: BC 02 8E	LDY f8E02,X
\$C18D: 11 F7	ORA (pF7),Y
\$C18F: F0 04	BEQ bC195
\$C191: A9 01	LDA #\$01
\$C193: 85 2A	STA a2A
\$C195: A5 F7	bC195 LDA aF7
\$C197: 18	CLC
\$C198: 69 40	ADC #\$40
\$C19A: 85 F7	STA aF7
\$C19C: 90 0A	BCC bC1A8
\$C19E: A5 F8	LDA aF8
\$C1A0: 69 00	ADC #\$00
\$C1A2: 29 0F	AND #\$0F
\$C1A4: 09 30	ORA #\$30
\$C1A6: 85 F8	STA aF8
\$C1A8: BC 00 8E	bC1A8 LDY f8E00,X
\$C1AB: B1 F7	LDA (pF7),Y
\$C1AD: 48	PHA
\$C1AE: A5 F7	LDA aF7
\$C1B0: 18	CLC
\$C1B1: 69 40	ADC #\$40

\$C1B3: 85 F7	STA aF7
\$C1B5: 90 0A	BCC bC1C1
\$C1B7: A5 F8	LDA aF8
\$C1B9: 69 00	ADC #\$00
\$C1BB: 29 0F	AND #\$0F
\$C1BD: 09 30	ORA #\$30
\$C1BF: 85 F8	STA aF8
\$C1C1: 68	bC1C1 PLA
\$C1C2: 11 F7	ORA (pF7),Y
\$C1C4: F0 06	BEQ fC1CC
\$C1C6: A9 04	LDA #\$04
\$C1C8: 05 2A	ORA a2A
\$C1CA: 85 2A	STA a2A
\$C1CC: A5 2A	fC1CC LDA a2A
\$C1CE: D0 10	BNE bC1E0
\$C1D0: A5 2B	LDA a2B
\$C1D2: F0 0C	BEQ bC1E0
\$C1D4: AD E3 C1	LDA aC1E3
\$C1D7: 49 05	EOR #\$05
\$C1D9: 8D E3 C1	STA aC1E3
\$C1DC: 05 2A	fC1DC ORA a2A
\$C1DE: 85 2A	STA a2A
\$C1E0: 68	bC1E0 PLA
\$C1E1: A8	TAY
\$C1E2: 60	RTS

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$C1E3: 04 98    aC1E3  NOP a98
$C1E5: AA      TAX
$C1E6: BD 00 04    LDA a0400,X
$C1E9: 8D 36 C4    STA aC436
$C1EC: BD C0 04    LDA f04C0,X
                fC1F0 =*+$01
$C1EF: 8D 37 C4    STA aC437
$C1F2: CE 37 C4    DEC aC437
$C1F5: 20 14 C4    JSR sC414
$C1F8: 90 38      BCC bC232
$C1FA: A0 00      LDY #$00
$C1FC: B1 F7      LDA (pF7),Y
$C1FE: C8        INY
$C1FF: 11 F7      ORA (pF7),Y
$C201: F0 06      BEQ bC209
$C203: A9 01      LDA #$01
$C205: 05 2A      ORA a2A
$C207: 85 2A      STA a2A
                fC20A =*+$01
$C209: A0 42    bC209  LDY #$42
$C20B: B1 F7      LDA (pF7),Y
$C20D: A0 82      LDY #$82
$C20F: 11 F7      ORA (pF7),Y
$C211: F0 06      BEQ bC219

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\$C213: A9 08      LDA #\$08  
\$C215: 05 2A      ORA a2A  
\$C217: 85 2A      STA a2A  
\$C219: A5 2A    bC219 LDA a2A  
\$C21B: D0 12      BNE bC22F  
\$C21D: A0 02      LDY #\$02  
\$C21F: 11 F7      ORA (pF7),Y  
\$C221: F0 0C      BEQ bC22F  
\$C223: AD A2 C2      LDA aC2A2  
\$C226: 49 09      EOR #\$09  
\$C228: 8D A2 C2      STA aC2A2  
\$C22B: 05 2A      ORA a2A  
\$C22D: 85 2A      STA a2A  
\$C22F: 8A    bC22F TXA  
\$C230: A8      TAY  
\$C231: 60      RTS  
  
\$C232: 8A    bC232 TXA  
\$C233: 48      PHA  
\$C234: A5 F7      LDA aF7  
\$C236: 29 3F      AND #\$3F  
\$C238: AA      TAX  
\$C239: 45 F7      EOR aF7  
\$C23B: 85 F7      STA aF7  
\$C23D: BC 01 8E      LDY f8E01,X

\$C240: B1 F7	LDA (pF7),Y
\$C242: BC 00 8E	LDY f8E00,X
\$C245: 11 F7	ORA (pF7),Y
\$C247: F0 04	BEQ bC24D
\$C249: A9 01	LDA #\$01
\$C24B: 85 2A	STA a2A
\$C24D: BC 02 8E	bC24D LDY f8E02,X
\$C250: B1 F7	LDA (pF7),Y
\$C252: 85 2B	STA a2B
\$C254: A5 F7	LDA aF7
\$C256: 18	CLC
\$C257: 69 40	ADC #\$40
\$C259: 85 F7	STA aF7
\$C25B: 90 0A	BCC bC267
\$C25D: A5 F8	LDA aF8
\$C25F: 69 00	ADC #\$00
\$C261: 29 0F	AND #\$0F
\$C263: 09 30	ORA #\$30
\$C265: 85 F8	STA aF8
\$C267: BC 02 8E	bC267 LDY f8E02,X
\$C26A: B1 F7	LDA (pF7),Y
\$C26C: 48	PHA
\$C26D: A5 F7	LDA aF7
\$C26F: 18	CLC
\$C270: 69 40	ADC #\$40

\$C272: 85 F7	STA aF7
\$C274: 90 0A	BCC bC280
\$C276: A5 F8	LDA aF8
\$C278: 69 00	ADC #\$00
\$C27A: 29 0F	AND #\$0F
\$C27C: 09 30	ORA #\$30
\$C27E: 85 F8	STA aF8
\$C280: 68	bC280 PLA
\$C281: 11 F7	ORA (pF7),Y
\$C283: F0 06	BEQ bC28B
\$C285: A9 08	LDA #\$08
\$C287: 05 2A	ORA a2A
\$C289: 85 2A	STA a2A
\$C28B: A5 2A	bC28B LDA a2A
\$C28D: D0 10	BNE bC29F
\$C28F: A5 2B	LDA a2B
\$C291: F0 0C	BEQ bC29F
\$C293: AD A2 C2	LDA aC2A2
\$C296: 49 09	EOR #\$09
\$C298: 8D A2 C2	STA aC2A2
\$C29B: 05 2A	ORA a2A
\$C29D: 85 2A	STA a2A
\$C29F: 68	bC29F PLA
\$C2A0: A8	TAY
\$C2A1: 60	RTS

\$C2A2: 08	aC2A2	PHP
\$C2A3: 98		TYA
\$C2A4: AA		TAX
\$C2A5: BD 00 04	LDA	a0400,X
\$C2A8: 8D 36 C4	STA	aC436
\$C2AB: BD C0 04	LDA	f04C0,X
\$C2AE: 8D 37 C4	STA	aC437
\$C2B1: CE 36 C4	DEC	aC436
\$C2B4: 20 14 C4	JSR	sC414
\$C2B7: 90 37	BCC	bC2F0
\$C2B9: A0 00	LDY	#\$00
\$C2BB: B1 F7	LDA	(pF7),Y
\$C2BD: A0 40	LDY	#\$40
\$C2BF: 11 F7	ORA	(pF7),Y
\$C2C1: F0 06	BEQ	bC2C9
\$C2C3: A9 04	LDA	#\$04
\$C2C5: 05 2A	ORA	a2A
\$C2C7: 85 2A	STA	a2A
\$C2C9: A0 82	bC2C9	LDY #\$82
\$C2CB: B1 F7	LDA	(pF7),Y
\$C2CD: 88	DEY	
\$C2CE: 11 F7	ORA	(pF7),Y
\$C2D0: F0 06	BEQ	bC2D8
\$C2D2: A9 02	LDA	#\$02



\$C2D4: 05 2A	ORA a2A
\$C2D6: 85 2A	STA a2A
\$C2D8: A5 2A	bC2D8 LDA a2A
\$C2DA: D0 11	BNE bC2ED
\$C2DC: 88	DEY
\$C2DD: B1 F7	LDA (pF7),Y
\$C2DF: F0 0C	BEQ bC2ED
\$C2E1: AD 5C C3	LDA aC35C
\$C2E4: 49 06	EOR #\$06
\$C2E6: 8D 5C C3	STA aC35C
\$C2E9: 05 2A	ORA a2A
\$C2EB: 85 2A	STA a2A
\$C2ED: 8A	bC2ED TXA
\$C2EE: A8	TAY
\$C2EF: 60	RTS
\$C2F0: 8A	bC2F0 TXA
\$C2F1: 48	PHA
\$C2F2: A5 F7	LDA aF7
\$C2F4: 29 3F	AND #\$3F
\$C2F6: AA	TAX
\$C2F7: 45 F7	EOR aF7
\$C2F9: 85 F7	STA aF7
\$C2FB: BC 00 8E	LDY f8E00,X
\$C2FE: B1 F7	LDA (pF7),Y

\$C300: 48 PHA  
\$C301: A5 F7 LDA aF7  
\$C303: 18 aC303 CLC  
\$C304: 69 40 ADC #\$40  
\$C306: 85 F7 STA aF7  
\$C308: 90 0A BCC bC314  
\$C30A: A5 F8 fC30A LDA aF8  
\$C30C: 69 00 fC30C ADC #\$00  
\$C30E: 29 0F AND #\$0F  
\$C310: 09 30 ORA #\$30  
\$C312: 85 F8 STA aF8  
\$C314: 68 bC314 PLA  
\$C315: 11 F7 ORA (pF7),Y  
\$C317: F0 04 BEQ bC31D  
\$C319: A9 04 LDA #\$04  
\$C31B: 85 2A STA a2A  
\$C31D: A5 F7 bC31D LDA aF7  
\$C31F: 18 CLC  
fC321 =\*+\$01  
\$C320: 69 40 ADC #\$40  
\$C322: 85 F7 STA aF7  
\$C324: 90 0A BCC bC330  
\$C326: A5 F8 LDA aF8  
\$C328: 69 00 ADC #\$00  
\$C32A: 29 0F AND #\$0F

\$C32C: 09 30      ORA #\$30  
\$C32E: 85 F8      STA aF8  
\$C330: BC 01 8E    bC330 LDY f8E01,X  
\$C333: B1 F7      LDA (pF7),Y  
\$C335: BC 02 8E      LDY f8E02,X  
\$C338: 11 F7      ORA (pF7),Y  
\$C33A: F0 06      BEQ bC342  
\$C33C: A9 02      LDA #\$02  
\$C33E: 05 2A      ORA a2A  
\$C340: 85 2A      STA a2A  
\$C342: A5 2A    bC342 LDA a2A  
\$C344: D0 13      BNE bC359  
\$C346: BC 00 8E      LDY f8E00,X  
\$C349: B1 F7      LDA (pF7),Y  
\$C34B: F0 0C      BEQ bC359  
\$C34D: AD 5C C3      LDA aC35C  
\$C350: 49 06      EOR #\$06  
\$C352: 8D 5C C3      STA aC35C  
\$C355: 05 2A      ORA a2A  
\$C357: 85 2A      STA a2A  
\$C359: 68      bC359 PLA  
\$C35A: A8      TAY  
\$C35B: 60      RTS  
  
\$C35C: 02      aC35C JAM

\$C35D: 98	TYA
\$C35E: AA	TAX
\$C35F: BD 00 04	LDA a0400,X
\$C362: 8D 36 C4	STA aC436
\$C365: BD C0 04	LDA f04C0,X
\$C368: 8D 37 C4	STA aC437
\$C36B: 20 14 C4	JSR sC414
\$C36E: 90 37	BCC bC3A7
\$C370: A0 02	fC370 LDY #S02
\$C372: B1 F7	LDA (pF7),Y
\$C374: A0 42	LDY #S42
\$C376: 11 F7	ORA (pF7),Y
\$C378: F0 06	BEQ bC380
\$C37A: A9 08	LDA #S08
\$C37C: 05 2A	ORA a2A
\$C37E: 85 2A	STA a2A
\$C380: A0 80	bC380 LDY #S80
\$C382: B1 F7	LDA (pF7),Y
\$C384: C8	INY
\$C385: 11 F7	ORA (pF7),Y
\$C387: F0 06	BEQ bC38F
\$C389: A9 02	LDA #S02
\$C38B: 05 2A	ORA a2A
\$C38D: 85 2A	STA a2A
\$C38F: A5 2A	bC38F LDA a2A

\$C391: D0 11	BNE bC3A4
\$C393: C8	INY
\$C394: B1 F7	LDA (pF7),Y
\$C396: F0 0C	BEQ bC3A4
\$C398: AD 13 C4	LDA aC413
\$C39B: 49 0A	EOR #\$0A
\$C39D: 8D 13 C4	STA aC413
\$C3A0: 05 2A	ORA a2A
\$C3A2: 85 2A	STA a2A
\$C3A4: 8A	bC3A4 TXA
\$C3A5: A8	TAY
\$C3A6: 60	RTS
\$C3A7: 8A	bC3A7 TXA
\$C3A8: 48	PHA
\$C3A9: A5 F7	LDA aF7
\$C3AB: 29 3F	AND #\$3F
\$C3AD: AA	TAX
\$C3AE: 45 F7	EOR aF7
\$C3B0: 85 F7	STA aF7
\$C3B2: BC 02 8E	LDY f8E02,X
\$C3B5: B1 F7	LDA (pF7),Y
\$C3B7: 48	PHA
\$C3B8: A5 F7	LDA aF7
\$C3BA: 18	CLC

\$C3BB: 69 40	ADC #\$40
\$C3BD: 85 F7	STA aF7
\$C3BF: 90 0A	BCC bC3CB
\$C3C1: A5 F8	LDA aF8
\$C3C3: 69 00	ADC #\$00
\$C3C5: 29 0F	AND #\$0F
\$C3C7: 09 30	ORA #\$30
\$C3C9: 85 F8	STA aF8
\$C3CB: 68	bC3CB PLA
\$C3CC: 11 F7	ORA (pF7),Y
\$C3CE: F0 04	BEQ bC3D4
\$C3D0: A9 08	LDA #\$08
\$C3D2: 85 2A	STA a2A
\$C3D4: A5 F7	bC3D4 LDA aF7
\$C3D6: 18	CLC
\$C3D7: 69 40	ADC #\$40
\$C3D9: 85 F7	STA aF7
\$C3DB: 90 0A	BCC bC3E7
\$C3DD: A5 F8	LDA aF8
\$C3DF: 69 00	ADC #\$00
\$C3E1: 29 0F	AND #\$0F
\$C3E3: 09 30	ORA #\$30
\$C3E5: 85 F8	STA aF8
\$C3E7: BC 00 8E	bC3E7 LDY f8E00,X
\$C3EA: B1 F7	LDA (pF7),Y

\$C3EC: BC 01 8E LDY f8E01,X

\$C3EF: 11 F7 ORA (pF7),Y

\$C3F1: F0 06 BEQ bC3F9

\$C3F3: A9 02 LDA #\$02

fC3F6 =\*+\$01

\$C3F5: 05 2A ORA a2A

\$C3F7: 85 2A STA a2A

\$C3F9: A5 2A bC3F9 LDA a2A

fC3FC =\*+\$01

\$C3FB: D0 13 BNE bC410

\$C3FD: BC 02 8E LDY f8E02,X

\$C400: B1 F7 fC400 LDA (pF7),Y

\$C402: F0 0C BEQ bC410

\$C404: AD 13 C4 LDA aC413

\$C407: 49 0A EOR #\$0A

\$C409: 8D 13 C4 STA aC413

\$C40C: 05 2A ORA a2A

\$C40E: 85 2A STA a2A

\$C410: 68 bC410 PLA

\$C411: A8 TAY

\$C412: 60 RTS

\$C413: 02 aC413 JAM

\$C414: AD 36 C4 sC414 LDA aC436

\$C417: 0A ASL

\$C418: 85 F7      STA aF7  
\$C41A: AD 37 C4      LDA aC437  
\$C41D: 29 7E      AND #\$7E  
\$C41F: 4A      LSR  
\$C420: 4A      LSR  
\$C421: 66 F7      ROR aF7  
\$C423: 4A      LSR  
\$C424: 66 F7      ROR aF7  
\$C426: 09 30      ORA #\$30  
\$C428: 85 F8      STA aF8  
\$C42A: A9 7B      LDA #\$7B  
\$C42C: CD 36 C4      CMP aC436  
\$C42F: 90 03      BCC bC434  
\$C431: CD 37 C4      CMP aC437  
\$C434: 60      bC434    RTS

aC436 =\*+\$01

\$C435: 00 3B      BRK #\$3B

aC438 =\*+\$01

\$C437: 03 07      aC437    SLO (p07,X)

\$C439: AC 53 82    sC439    LDY a8253

\$C43C: A9 7D      LDA #\$7D

\$C43E: CD 4D BF      CMP aBF4D

\$C441: 90 15      BCC bC458

\$C443: CD 4E BF      CMP aBF4E



\$C446: 90 10	BCC bC458
\$C448: A0 00	jC448 LDY # \$00
\$C44A: 98	TYA
\$C44B: 91 F9	STA (pF9),Y
\$C44D: C8	INY
\$C44E: 91 F9	STA (pF9),Y
\$C450: A0 40	LDY # \$40
\$C452: 91 F9	STA (pF9),Y
\$C454: C8	INY
\$C455: 91 F9	STA (pF9),Y
\$C457: 60	RTS
\$C458: A5 F9	bC458 LDA aF9
\$C45A: 29 3F	AND # \$3F
\$C45C: AA	TAX
\$C45D: 45 F9	EOR aF9
\$C45F: 85 F9	STA aF9
\$C461: A9 00	LDA # \$00
\$C463: BC 00 8E	LDY f8E00,X
\$C466: 91 F9	STA (pF9),Y
\$C468: BC 01 8E	LDY f8E01,X
\$C46B: 91 F9	STA (pF9),Y
\$C46D: A5 F9	LDA aF9
\$C46F: 18	CLC
\$C470: 69 40	ADC # \$40

\$C472: 85 F9	STA aF9
\$C474: A5 FA	LDA aFA
\$C476: 69 00	ADC #\$00
\$C478: 29 0F	AND #\$0F
\$C47A: 09 30	ORA #\$30
\$C47C: 85 FA	STA aFA
\$C47E: BC 00 8E	LDY f8E00,X
\$C481: A9 00	LDA #\$00
\$C483: 91 F9	STA (pF9),Y
\$C485: BC 01 8E	LDY f8E01,X
\$C488: 91 F9	STA (pF9),Y
\$C48A: 60	RTS
\$C48B: 48	sC48B PHA
\$C48C: 98	TYA
\$C48D: 48	PHA
\$C48E: 8A	TXA
\$C48F: 48	PHA
\$C490: B9 40 06	LDA f0640,Y
\$C493: 49 01	EOR #\$01
\$C495: 99 40 06	STA f0640,Y
\$C498: 29 01	AND #\$01
\$C49A: D0 2F	BNE bC4CB
\$C49C: B9 80 05	LDA f0580,Y
\$C49F: 4A	LSR

\$C4A0: 4A LSR  
\$C4A1: 4A LSR  
\$C4A2: 4A LSR  
\$C4A3: 29 0C AND #\$0C  
\$C4A5: 8D 65 82 STA a8265  
\$C4A8: 8A TXA  
\$C4A9: 0D 65 82 ORA a8265  
\$C4AC: A8 TAY  
\$C4AD: F8 SED  
bC4B0 =\*+\$02  
\$C4AE: BD 0E BA aC4AE LDA fBA0E,X  
\$C4B1: 38 SEC  
\$C4B2: F9 1E 9F SBC f9F1E,Y  
\$C4B5: 9D 0E BA STA fBA0E,X  
\$C4B8: B0 0D BCS bC4C7  
\$C4BA: BD 10 BA aC4BA LDA fBA10,X  
\$C4BD: E9 00 SBC #\$00  
fC4C0 =\*+\$01  
\$C4BF: 9D 10 BA STA fBA10,X  
\$C4C2: B0 03 BCS bC4C7  
\$C4C4: FE EB C4 INC aC4EB,X  
\$C4C7: D8 bC4C7 CLD  
\$C4C8: EE 3E B7 INC aB73E  
\$C4CB: 20 D9 C5 bC4CB JSR sC5D9  
\$C4CE: 68 PLA

\$C4CF: AA	TAX
\$C4D0: 68	PLA
\$C4D1: A8	TAY
\$C4D2: 68	PLA
\$C4D3: 60	RTS
\$C4D4: 05 05	ORA a05
\$C4D6: 08	PHP
\$C4D7: 08	PHP
\$C4D8: 10 10	BPL bC4EA
\$C4DA: 10 10	BPL aC4EC
\$C4DC: 20 20 30	JSR s3020
aC4E0	=*+\$01
\$C4DF: 30 00	BMI bC4E1
\$C4E1: 01 09	bC4E1 ORA (p09,X)
\$C4E3: 08	PHP
\$C4E4: 0A	ASL
\$C4E5: 02	JAM
\$C4E6: 06 04	ASL a04
fC4E9	=*+\$01
\$C4E8: 05 00	fC4E8 ORA a00
aC4EB	=*+\$01
\$C4EA: 00 00	bC4EA BRK # \$00
\$C4EC: 00 AD	aC4EC BRK # \$AD
\$C4EE: D0 C0	BNE bC4B0

\$C4F0: F0 12      BEQ bC504  
\$C4F2: B9 80 05      LDA f0580,Y  
\$C4F5: 29 07      AND #S07  
\$C4F7: AA      TAX  
\$C4F8: AC E0 C4      LDY aC4E0  
    fC4FC =\*+S01  
\$C4FB: BD E1 C4      LDA bC4E1,X  
\$C4FE: 19 E9 C4      ORA fC4E9,Y  
\$C501: 99 E9 C4      STA fC4E9,Y  
\$C504: AC 53 82    bC504    LDY a8253  
\$C507: 60      RTS  
  
\$C508: AE AC BB    sC508    LDX aBBAC  
\$C50B: CA      DEX  
\$C50C: 8A      TXA  
\$C50D: 29 03      AND #S03  
\$C50F: AA      TAX  
\$C510: B9 80 05      LDA f0580,Y  
\$C513: 29 38      AND #S38  
\$C515: C9 28      CMP #S28  
\$C517: F0 46      BEQ bC55F  
\$C519: B9 80 05      LDA f0580,Y  
\$C51C: 38      SEC  
\$C51D: FD E3 A0      SBC fA0E3,X  
\$C520: 99 80 05      STA f0580,Y

\$C523: 90 02	BCC bC527
\$C525: 18	CLC
\$C526: 60	RTS
\$C527: 20 F6 AC	bC527 JSR sACF6
\$C52A: B9 00 04	bC52A LDA a0400,Y
\$C52D: 8D 4D BF	STA aBF4D
\$C530: B9 C0 04	LDA f04C0,Y
\$C533: 8D 4E BF	STA aBF4E
\$C536: 20 9E BE	JSR sBE9E
\$C539: 20 39 C4	JSR sC439
\$C53C: AC 53 82	LDY a8253
\$C53F: AE 57 82	LDX a8257
\$C542: BD 00 04	LDA a0400,X
\$C545: 99 00 04	STA a0400,Y
\$C548: BD C0 04	LDA f04C0,X
\$C54B: 99 C0 04	STA f04C0,Y
\$C54E: BD 80 05	LDA f0580,X
\$C551: 99 80 05	STA f0580,Y
\$C554: BD 40 06	LDA f0640,X
\$C557: 99 40 06	STA f0640,Y
\$C55A: CE 57 82	DEC a8257
\$C55D: 38	SEC
\$C55E: 60	RTS

\$C55F: E0 02    bC55F CPX #02

\$C561: 90 C7        BCC bC52A

\$C563: F8         SED

\$C564: BD 08 BA     LDA aBA08,X

\$C567: 18         CLC

\$C568: 6D 06 AE     ADC aAE06

\$C56B: 9D 08 BA     STA aBA08,X

\$C56E: BD 0A BA     LDA aBA0A,X

\$C571: 69 00        ADC #00

\$C573: 9D 0A BA     STA aBA0A,X

\$C576: D8         CLD

\$C577: EE 3E B7     INC aB73E

\$C57A: 4C 2A C5     JMP bC52A

\$C57D: AE 61 C0    sC57D LDX aC061

\$C580: B9 80 05    fC580 LDA f0580,Y

\$C583: 29 38        AND #38

\$C585: C9 10        CMP #10

\$C587: F0 05        BEQ bC58E

\$C589: C9 18        CMP #18

\$C58B: F0 36        BEQ bC5C3

\$C58D: 60         RTS

\$C58E: B9 40 06    bC58E LDA f0640,Y

\$C591: 18         CLC

\$C592: 69 40      ADC #\$40  
\$C594: 99 40 06    STA f0640,Y  
\$C597: 29 C0      AND #\$C0  
\$C599: D0 26      BNE bC5C1  
\$C59B: BD 62 C0    LDA fC062,X  
\$C59E: F0 1E      BEQ bC5BE  
\$C5A0: BD 64 C0    LDA fC064,X  
\$C5A3: F0 19      BEQ bC5BE  
\$C5A5: 10 05      BPL bC5AC  
\$C5A7: 49 FF      EOR #\$FF  
\$C5A9: 18        CLC  
\$C5AA: 69 01      ADC #\$01  
\$C5AC: 8D C2 C5 bC5AC STA aC5C2  
\$C5AF: BD 62 C0    LDA fC062,X  
\$C5B2: 10 05      BPL bC5B9  
\$C5B4: 49 FF      EOR #\$FF  
\$C5B6: 18        CLC  
\$C5B7: 69 01      ADC #\$01  
\$C5B9: CD C2 C5 bC5B9 CMP aC5C2  
\$C5BC: D0 03      BNE bC5C1  
\$C5BE: 20 0D AB bC5BE JSR sAB0D  
\$C5C1: 60        bC5C1 RTS

bC5C3 =\*+\$01

\$C5C2: 00 B9    aC5C2 BRK #\$B9



\$C5C4: 40 RTI

\$C5C5: 06 18 ASL a18

\$C5C7: 69 40 ADC #\$40

\$C5C9: 99 40 06 STA f0640,Y

\$C5CC: 29 C0 AND #\$C0

\$C5CE: D0 08 BNE bC5D8

\$C5D0: AD 04 DC LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$C5D3: 29 07 AND #\$07

\$C5D5: 20 56 AB JSR sAB56

\$C5D8: 60 bC5D8 RTS

\$C5D9: 8A sC5D9 TXA

\$C5DA: 48 PHA

\$C5DB: AC 53 82 LDY a8253

\$C5DE: B9 80 05 LDA f0580,Y

\$C5E1: 29 38 AND #\$38

\$C5E3: F0 30 BEQ bC615

\$C5E5: C9 28 CMP #\$28

\$C5E7: F0 2C BEQ bC615

\$C5E9: B9 80 05 LDA f0580,Y

\$C5EC: 29 07 AND #\$07

\$C5EE: 4D 69 C0 EOR aC069

\$C5F1: AA TAX

\$C5F2: BD 5B C6 LDA fC65B,X

\$C5F5: 8D 65 82      STA a8265  
\$C5F8: 68            PLA  
\$C5F9: AA            TAX  
\$C5FA: BD B0 8E      LDA a8EB0,X  
\$C5FD: 29 0F          AND #\$0F  
\$C5FF: 2D 65 82      AND a8265  
\$C602: 29 03          AND #\$03  
\$C604: F0 0A          BEQ bC610  
\$C606: BD B0 8E      LDA a8EB0,X  
\$C609: 2D 65 82      AND a8265  
\$C60C: 29 0C          AND #\$0C  
\$C60E: D0 03          BNE bC613  
\$C610: 4C 19 C6      bC610 JMP jC619  
  
\$C613: 18            bC613 CLC  
\$C614: 60            RTS  
  
\$C615: 68            bC615 PLA  
\$C616: AA            TAX  
\$C617: 18            CLC  
\$C618: 60            RTS  
  
\$C619: 20 38 C6      jC619 JSR sC638  
\$C61C: B9 80 05      LDA f0580,Y  
\$C61F: 38            SEC

\$C620: FD A9 AD      SBC fADA9,X

\$C623: 99 80 05      STA f0580,Y

\$C626: B0 05          BCS bC62D

\$C628: 20 2A C5      JSR bC52A

\$C62B: 38            SEC

\$C62C: 60            RTS

\$C62D: AC 39 B7    bC62D   LDY aB739

\$C630: BD 3B B7      LDA aB73B,X

\$C633: 8D 3A B7      STA aB73A

\$C636: 18            CLC

\$C637: 60            RTS

\$C638: F8      sC638   SED

\$C639: BD 08 BA      LDA aBA08,X

\$C63C: 18            CLC

\$C63D: 69 25          ADC #\$25

fc640   =\*+\$01

\$C63F: 9D 08 BA      STA aBA08,X

\$C642: 90 12          BCC bC656

\$C644: BD 0A BA      LDA aBA0A,X

\$C647: 69 00          ADC #\$00

\$C649: 9D 0A BA      STA aBA0A,X

\$C64C: 90 08          BCC bC656

\$C64E: BD 0C BA      LDA aBA0C,X

\$C651: 69 00      ADC #00  
\$C653: 9D 0C BA      STA aBA0C,X  
\$C656: D8      bC656 CLD  
\$C657: EE 3E B7      INC aB73E  
\$C65A: 60      RTS  
  
\$C65B: 0E 06 07    fC65B ASL a0706  
\$C65E: 05 0D      ORA a0D  
\$C660: 09 0B      ORA #0B  
\$C662: 0A      ASL  
\$C663: 98      sC663 TYA  
\$C664: 48      PHA  
\$C665: B9 80 05      LDA f0580,Y  
\$C668: 29 C0      AND #C0  
\$C66A: 4A      LSR  
\$C66B: 4A      LSR  
\$C66C: 4A      LSR  
\$C66D: 4A      LSR  
\$C66E: 8D 65 82      STA a8265  
\$C671: 8A      TXA  
\$C672: 0D 65 82      ORA a8265  
\$C675: A8      TAY  
\$C676: F8      SED  
\$C677: BD 0E BA    aC677 LDA fBA0E,X  
\$C67A: 38      SEC

\$C67B: F9 2A 9F      SBC f9F2A,Y  
\$C67E: 9D 0E BA      STA fBA0E,X  
\$C681: B0 0D          BCS bC690  
\$C683: BD 10 BA    aC683 LDA fBA10,X  
\$C686: E9 00          SBC # \$00  
\$C688: 9D 10 BA      STA fBA10,X  
\$C68B: B0 03          BCS bC690  
\$C68D: FE EB C4      INC aC4EB,X  
\$C690: D8      bC690 CLD  
\$C691: EE 3E B7      INC aB73E  
\$C694: 68          PLA  
\$C695: A8          TAY  
\$C696: 60          RTS  
  
\$C697: AD 5B 82    sC697 LDA a825B  
\$C69A: 29 EF          AND # \$EF  
\$C69C: 8D 5B 82      STA a825B  
\$C69F: AD 11 D0      LDA \$D011 ;VIC Control Register 1  
\$C6A2: 29 EF          AND # \$EF  
\$C6A4: 8D 11 D0      STA \$D011 ;VIC Control Register 1  
\$C6A7: 60          RTS  
  
\$C6A8: AD 5B 82    sC6A8 LDA a825B  
\$C6AB: 09 10          ORA # \$10  
\$C6AD: 8D 5B 82      STA a825B

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$C6B0: AD 11 D0      LDA $D011 ;VIC Control Register 1
$C6B3: 09 10        ORA #$10
$C6B5: 8D 11 D0      STA $D011 ;VIC Control Register 1
$C6B8: 60           RTS

$C6B9: 29 03      sC6B9 AND #$03
$C6BB: 49 03      EOR #$03
$C6BD: 8D 64 82    STA a8264
$C6C0: AD 02 DD      LDA $DD02 ;CIA2: Data Direction Register A
$C6C3: 09 03      ORA #$03
          fC6C6 =*+$01
$C6C5: 8D 02 DD      STA $DD02 ;CIA2: Data Direction Register A
$C6C8: AD 00 DD      LDA $DD00 ;CIA2: Data Port Register A
$C6CB: 29 FC        AND #$FC
          fC6CE =*+$01
$C6CD: 0D 64 82    ORA a8264
$C6D0: 8D 00 DD      STA $DD00 ;CIA2: Data Port Register A
$C6D3: 60           RTS

$C6D4: 29 0F      sC6D4 AND #$0F
$C6D6: 0A         ASL
$C6D7: 0A         ASL
$C6D8: 0A         ASL
$C6D9: 0A         ASL
$C6DA: 8D 64 82    STA a8264

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\$C6DD: AD 18 D0 LDA \$D018 ;VIC Memory Control Register

\$C6E0: 29 0F AND #\$0F

\$C6E2: 0D 64 82 ORA a8264

\$C6E5: 8D 18 D0 STA \$D018 ;VIC Memory Control Register

\$C6E8: 60 RTS

\$C6E9: 29 07 sC6E9 AND #\$07

\$C6EB: 0A ASL

fC6EE =\*+\$02

\$C6EC: 8D 64 82 STA a8264

\$C6EF: AD 18 D0 LDA \$D018 ;VIC Memory Control Register

\$C6F2: 29 F1 AND #\$F1

\$C6F4: 0D 64 82 ORA a8264

\$C6F7: 8D 18 D0 STA \$D018 ;VIC Memory Control Register

\$C6FA: 60 RTS

\$C6FB: AD 11 D0 LDA \$D011 ;VIC Control Register 1

\$C6FE: 09 20 ORA #\$20

\$C700: 8D 11 D0 STA \$D011 ;VIC Control Register 1

\$C703: 60 RTS

\$C704: 20 CE 8C sC704 JSR s8CCE

\$C707: 20 61 C7 JSR sC761

\$C70A: 20 74 C7 JSR sC774

\$C70D: 20 7F C7 JSR sC77F

\$C710: AD 03 0A      LDA a0A03  
\$C713: 8D DE CA      STA aCADE  
\$C716: A0 00        LDY #00  
\$C718: 8C DF CA      STY aCADF  
\$C71B: AD DE CA    jC71B LDA aCADE  
\$C71E: D0 05        BNE bC725  
                    fC722 =\*+\$02  
\$C720: 20 1A C9      JSR sC91A  
\$C723: 58            CLI  
\$C724: 60            RTS  
  
\$C725: C9 01    bC725 CMP #01  
\$C727: F0 32        BEQ bC75B  
\$C729: 20 A7 C7      JSR sC7A7  
\$C72C: D0 2D        BNE bC75B  
\$C72E: AD DE CA      LDA aCADE  
\$C731: C9 03        CMP #03  
\$C733: D0 0C        BNE bC741  
\$C735: C8            INY  
\$C736: 20 A7 C7      JSR sC7A7  
\$C739: 08            PHP  
\$C73A: 88            DEY  
\$C73B: 28            PLP  
\$C73C: D0 17        BNE bC755  
\$C73E: 4C 5B C7      JMP bC75B



\$C741: C8      bC741 INY

\$C742: 20 A7 C7      JSR sC7A7

\$C745: 08          PHP

\$C746: 88          DEY

\$C747: 28          PLP

\$C748: D0 0B      BNE bC755

\$C74A: C8          INY

\$C74B: C8          INY

\$C74C: 20 A7 C7      JSR sC7A7

\$C74F: 08          PHP

\$C750: 88          DEY

\$C751: 88          DEY

\$C752: 28          PLP

\$C753: D0 06      BNE bC75B

\$C755: 20 B8 C7    bC755 JSR sC7B8

\$C758: 4C 1B C7      JMP jC71B

  

\$C75B: 20 E9 C7    bC75B JSR sC7E9

\$C75E: 4C 1B C7      JMP jC71B

  

\$C761: A0 00    sC761 LDY #S00

\$C763: 98          TYA

\$C764: 99 00 0C    bC764 STA p0C00,Y

\$C767: 99 00 0D      STA f0D00,Y

\$C76A: 99 00 0E STA f0E00,Y

\$C76D: 99 00 0F STA a0F00,Y

\$C770: C8 INY

\$C771: D0 F1 BNE bC764

\$C773: 60 fC773 RTS

\$C774: A0 1F sC774 LDY #\$1F

\$C776: A9 0A LDA #\$0A

\$C778: 99 00 0C bC778 STA p0C00,Y

\$C77B: 88 DEY

\$C77C: 10 FA BPL bC778

\$C77E: 60 RTS

\$C77F: AD 01 0A sC77F LDA a0A01

\$C782: 30 22 BMI bC7A6

\$C784: A9 00 LDA #<p0C00

\$C786: 85 8C STA a8C

\$C788: A9 0C LDA #>p0C00

\$C78A: 85 8D STA a8D

\$C78C: A2 20 LDX #\$20

\$C78E: A0 00 LDY #\$00

\$C790: A9 0F LDA #\$0F

\$C792: 91 8C bC792 STA (p8C),Y

\$C794: A5 8C LDA a8C

\$C796: 18 CLC

\$C797: 69 20      ADC #\$20

\$C799: 85 8C      STA a8C

\$C79B: A5 8D      LDA a8D

\$C79D: 69 00      ADC #\$00

\$C79F: 85 8D      STA a8D

\$C7A1: A9 05      LDA #\$05

\$C7A3: CA          DEX

\$C7A4: D0 EC      BNE bC792

\$C7A6: 60      bC7A6    RTS

\$C7A7: B9 04 0A    sC7A7    LDA f0A04,Y

\$C7AA: 29 E0      AND #\$E0

\$C7AC: 8D 64 82      STA a8264

\$C7AF: B9 05 0A      LDA f0A05,Y

\$C7B2: 29 E0      AND #\$E0

\$C7B4: CD 64 82      CMP a8264

\$C7B7: 60          RTS

\$C7B8: B9 04 0A    sC7B8    LDA f0A04,Y

\$C7BB: 48          PHA

\$C7BC: 29 E0      AND #\$E0

\$C7BE: 8D E2 CA      STA aCAE2

\$C7C1: 68          PLA

\$C7C2: 29 1F      AND #\$1F

\$C7C4: 8D 64 82      STA a8264

\$C7C7: B9 05 0A LDA f0A05,Y  
\$C7CA: 29 1F AND #\$1F  
\$C7CC: AA TAX  
\$C7CD: BD 70 8E LDA f8E70,X  
\$C7D0: 18 CLC  
\$C7D1: 6D 64 82 ADC a8264  
\$C7D4: 85 8C STA a8C  
\$C7D6: BD 90 8E LDA f8E90,X  
\$C7D9: 69 00 ADC #\$00  
\$C7DB: 85 8D STA a8D  
\$C7DD: 20 2E C8 JSR sC82E  
\$C7E0: C8 INY  
\$C7E1: C8 INY  
\$C7E2: CE DE CA DEC aCADE  
\$C7E5: CE DE CA DEC aCADE  
\$C7E8: 60 RTS  
  
\$C7E9: 98 sC7E9 TYA  
\$C7EA: 48 PHA  
\$C7EB: B9 04 0A LDA f0A04,Y  
\$C7EE: 48 PHA  
\$C7EF: 29 E0 AND #\$E0  
\$C7F1: 4A LSR  
\$C7F2: 4A LSR  
\$C7F3: 4A LSR

\$C7F4: 4A            LSR  
\$C7F5: AA            TAX  
\$C7F6: 4A            LSR  
\$C7F7: 4A        fC7F7 LSR  
\$C7F8: A8            TAY  
\$C7F9: AD E2 CA        LDA aCAE2  
\$C7FC: C9 80            CMP #80  
\$C7FE: F0 04            BEQ bC804  
\$C800: C9 40            CMP #40  
\$C802: D0 06            BNE bC80A  
\$C804: B9 EE CA    bC804 LDA fCAEE,Y  
                  fC808 =\*+\$01  
\$C807: 8D E2 CA        STA aCAE2  
\$C80A: 68        bC80A PLA  
\$C80B: 29 1F            AND #1F  
\$C80D: A8            TAY  
\$C80E: A5 8C    bC80E LDA a8C  
\$C810: 18            CLC  
\$C811: 7D C6 CA        ADC fCAC6,X  
\$C814: 85 8C            STA a8C  
\$C816: A5 8D            LDA a8D  
\$C818: 7D C7 CA        ADC fCAC7,X  
\$C81B: 29 03            AND #03  
\$C81D: 09 0C            ORA #0C  
\$C81F: 85 8D            STA a8D

\$C821: 20 2E C8 JSR sC82E  
\$C824: 88 DEY  
\$C825: 10 E7 BPL bC80E  
\$C827: 68 PLA  
\$C828: A8 TAY  
\$C829: C8 INY  
\$C82A: CE DE CA DEC aCADE  
\$C82D: 60 RTS  
  
\$C82E: 48 sC82E PHA  
\$C82F: 98 TYA  
\$C830: 48 aC830 PHA  
\$C831: 8A TXA  
\$C832: 48 PHA  
\$C833: A2 00 LDX #\$00  
\$C835: AD E2 CA LDA aCAE2  
\$C838: 0A ASL  
\$C839: 2A ROL  
\$C83A: 2A ROL  
\$C83B: 2A ROL  
\$C83C: 29 07 AND #\$07  
\$C83E: A8 TAY  
\$C83F: B9 E6 CA LDA fCAE6,Y  
\$C842: 81 8C STA (p8C,X)  
\$C844: 20 5F C8 JSR sC85F

\$C847: 20 59 C8 JSR sC859

\$C84A: 20 56 C8 JSR sC856

\$C84D: 20 5C C8 JSR sC85C

\$C850: 68 PLA

\$C851: AA TAX

\$C852: 68 PLA

\$C853: A8 TAY

\$C854: 68 PLA

\$C855: 60 RTS

\$C856: A0 0C sC856 LDY #\$0C

sC859 =\*+\$01

\$C858: 2C A0 08 BIT a08A0

sC85C =\*+\$01

\$C85B: 2C A0 04 BIT a04A0

sC85F =\*+\$01

\$C85E: 2C A0 00 BIT f00A0

\$C861: A9 00 LDA #\$00

\$C863: 8D E3 CA STA aCAE3

\$C866: 8D E4 CA STA aCAE4

\$C869: 20 BB C8 JSR sC8BB

\$C86C: 90 01 BCC bC86F

\$C86E: 60 RTS

\$C86F: AD E2 CA bC86F LDA aCAE2

\$C872: C9 C0      CMP #C0  
\$C874: B0 1C      BCS bC892  
\$C876: 98        TYA  
\$C877: 4A        LSR  
\$C878: A8        TAY  
\$C879: A1 8E      LDA (p8E,X)  
\$C87B: F0 14      BEQ bC891  
\$C87D: C9 10      CMP #C10  
\$C87F: B0 10      BCS bC891  
\$C881: B9 D6 CA    LDA fCAD6,Y  
\$C884: 49 FF      EOR #CFF  
\$C886: 21 8E      AND (p8E,X)  
\$C888: D0 02      BNE bC88C  
\$C88A: A9 10      LDA #C10  
\$C88C: 0D E4 CA    bC88C ORA aCAE4  
\$C88F: 81 8E      STA (p8E,X)  
\$C891: 60        bC891 RTS  
  
\$C892: D0 05      bC892 BNE bC899  
\$C894: A9 80      LDA #C80  
\$C896: 8D E3 CA    STA aCAE3  
\$C899: 98        bC899 TYA  
\$C89A: 4A        LSR  
\$C89B: A8        TAY  
\$C89C: B9 D6 CA    LDA fCAD6,Y



\$C89F: 01 8E      ORA (p8E,X)  
\$C8A1: 29 0F      AND #\$0F  
\$C8A3: 0D E4 CA      ORA aCAE4  
\$C8A6: 81 8E      STA (p8E,X)  
\$C8A8: A1 8C      LDA (p8C,X)  
\$C8AA: 30 04      BMI bC8B0  
\$C8AC: C9 11      CMP #\$11  
\$C8AE: B0 0A      BCS bC8BA  
\$C8B0: 19 D7 CA    bC8B0    ORA fCAD7,Y  
\$C8B3: 29 0F      AND #\$0F  
\$C8B5: 0D E3 CA      ORA aCAE3  
\$C8B8: 81 8C      STA (p8C,X)  
\$C8BA: 60      bC8BA    RTS  
  
\$C8BB: A5 8C      sC8BB    LDA a8C  
\$C8BD: 18      CLC  
\$C8BE: 79 C6 CA      ADC fCAC6,Y  
\$C8C1: 85 8E      STA a8E  
\$C8C3: A5 8D      LDA a8D  
\$C8C5: 79 C7 CA      ADC fCAC7,Y  
\$C8C8: 29 03      AND #\$03  
\$C8CA: 09 0C      ORA #\$0C  
\$C8CC: 85 8F      STA a8F  
\$C8CE: C0 04      CPY #\$04  
\$C8D0: D0 17      BNE bC8E9

\$C8D2: A5 8E	LDA a8E
\$C8D4: 29 1F	AND #\$1F
\$C8D6: D0 11	BNE bC8E9
\$C8D8: A5 8E	LDA a8E
\$C8DA: 38	SEC
\$C8DB: E9 20	SBC #\$20
\$C8DD: 85 8E	STA a8E
\$C8DF: A5 8F	LDA a8F
\$C8E1: E9 00	SBC #\$00
\$C8E3: 29 03	AND #\$03
\$C8E5: 09 0C	ORA #\$0C
\$C8E7: 85 8F	STA a8F
\$C8E9: C0 0C	bC8E9 CPY #\$0C
\$C8EB: D0 19	BNE bC906
\$C8ED: A5 8E	LDA a8E
\$C8EF: 29 1F	AND #\$1F
\$C8F1: C9 1F	CMP #\$1F
\$C8F3: D0 11	fC8F3 BNE bC906
\$C8F5: A5 8E	LDA a8E
\$C8F7: 18	CLC
\$C8F8: 69 20	ADC #\$20
\$C8FA: 85 8E	STA a8E
\$C8FC: A5 8F	LDA a8F
\$C8FE: 69 00	ADC #\$00
\$C900: 29 03	AND #\$03

\$C902: 09 0C      ORA #\$0C  
\$C904: 85 8F      STA a8F  
\$C906: A1 8E    bC906 LDA (p8E,X)  
\$C908: 48        PHA  
\$C909: 29 80      AND #\$80  
\$C90B: 8D E4 CA    STA aCAE4  
\$C90E: 68        PLA  
\$C90F: 29 7F      AND #\$7F  
\$C911: F0 05      BEQ bC918  
\$C913: C9 11      CMP #\$11  
\$C915: B0 01      BCS bC918  
\$C917: 60        RTS  
  
\$C918: 38    bC918 SEC  
\$C919: 60        RTS  
  
\$C91A: A9 FF    sC91A LDA #\$FF  
\$C91C: 8D 57 82    STA a8257  
\$C91F: AD 03 0A    LDA a0A03  
\$C922: 18        CLC  
\$C923: 69 04      ADC #\$04  
\$C925: 85 90      STA a90  
\$C927: A9 0A      LDA #\$0A  
\$C929: 69 00      ADC #\$00  
\$C92B: 85 91      STA a91

\$C92D: AD 02 0A	LDA a0A02
\$C930: 0A	ASL
\$C931: 2A	ROL
\$C932: 29 01	AND #\$01
\$C934: 85 93	STA a93
\$C936: AD 00 0A	LDA a0A00
\$C939: 38	SEC
\$C93A: ED 03 0A	SBC a0A03
\$C93D: 85 92	STA a92
\$C93F: A5 93	LDA a93
\$C941: E9 00	SBC #\$00
\$C943: 85 93	STA a93
\$C945: A5 92	LDA a92
\$C947: 38	SEC
\$C948: E9 04	SBC #\$04
\$C94A: 85 92	STA a92
\$C94C: A5 93	LDA a93
\$C94E: E9 00	SBC #\$00
\$C950: 85 93	STA a93
\$C952: A9 00	LDA #<p0C00
\$C954: 85 8C	STA a8C
\$C956: A9 0C	LDA #>p0C00
\$C958: 85 8D	STA a8D
\$C95A: A2 00	LDX #\$00
\$C95C: A0 00	LDY #\$00

\$C95E: B1 90    bC95E LDA (p90),Y

\$C960: 10 10        BPL bC972

\$C962: 29 7F        AND #\$7F

\$C964: 38            SEC

\$C965: 65 8C        ADC a8C

\$C967: 85 8C        STA a8C

\$C969: A5 8D        LDA a8D

\$C96B: 69 00        ADC #\$00

\$C96D: 85 8D        STA a8D

\$C96F: 4C AE C9     JMP jC9AE

\$C972: 8D F3 CA    bC972 STA aCAF3

\$C975: A9 00        LDA #\$00

\$C977: 8D F2 CA     STA aCAF2

\$C97A: A5 92        LDA a92

\$C97C: C9 01        CMP #\$01

\$C97E: D0 06        BNE bC986

\$C980: A5 93        LDA a93

\$C982: C9 00        CMP #\$00

\$C984: F0 20        BEQ bC9A6

\$C986: C8        bC986 INY

\$C987: D0 02        BNE bC98B

\$C989: E6 91        INC a91

\$C98B: B1 90    bC98B LDA (p90),Y

\$C98D: 88        DEY

\$C98E: C0 FF      CPY #\$FF  
\$C990: D0 02      BNE bC994  
\$C992: C6 91      DEC a91  
\$C994: C9 13    bC994    CMP #\$13  
\$C996: B0 0E      BCS bC9A6  
\$C998: 8D F2 CA      STA aCAF2  
\$C99B: EE F2 CA      INC aCAF2  
\$C99E: C8          INY  
\$C99F: D0 02      BNE bC9A3  
\$C9A1: E6 91      INC a91  
\$C9A3: 20 C3 C9    bC9A3    JSR sC9C3  
\$C9A6: 20 CC C9    bC9A6    JSR sC9CC  
\$C9A9: CE F2 CA      DEC aCAF2  
\$C9AC: 10 F8      BPL bC9A6  
\$C9AE: 20 C3 C9    jC9AE    JSR sC9C3  
\$C9B1: C8          INY  
\$C9B2: D0 02      BNE bC9B6  
\$C9B4: E6 91      INC a91  
\$C9B6: A5 8D    bC9B6    LDA a8D  
\$C9B8: C9 10      CMP #\$10  
\$C9BA: B0 06      BCS bC9C2  
\$C9BC: A5 92      LDA a92  
\$C9BE: 05 93      ORA a93  
\$C9C0: D0 9C      BNE bC95E  
\$C9C2: 60          bC9C2    RTS

\$C9C3: A5 92    sC9C3   LDA a92  
\$C9C5: D0 02            BNE bC9C9  
\$C9C7: C6 93            DEC a93  
\$C9C9: C6 92    bC9C9   DEC a92  
\$C9CB: 60            RTS  
  
\$C9CC: 48    sC9CC   PHA  
\$C9CD: 98            TYA  
\$C9CE: 48            PHA  
\$C9CF: 8A            TXA  
\$C9D0: 48            PHA  
\$C9D1: A2 00            LDX #\$00  
\$C9D3: 20 99 CA        JSR sCA99  
\$C9D6: 20 93 CA        JSR sCA93  
\$C9D9: 20 90 CA        JSR sCA90  
\$C9DC: 20 96 CA        JSR sCA96  
\$C9DF: AD F3 CA        LDA aCAF3  
\$C9E2: C9 36            CMP #\$36  
\$C9E4: D0 03            BNE bC9E9  
\$C9E6: EE DF CA        INC aCADF  
\$C9E9: C9 40    bC9E9   CMP #\$40  
\$C9EB: 90 03            BCC bC9F0  
\$C9ED: 20 05 CA        JSR sCA05  
\$C9F0: C9 3F    bC9F0   CMP #\$3F

\$C9F2: D0 03      BNE bC9F7  
\$C9F4: 20 69 CA      JSR sCA69  
\$C9F7: 81 8C    bC9F7   STA (p8C,X)  
\$C9F9: E6 8C      INC a8C  
\$C9FB: D0 02      BNE bC9FF  
\$C9FD: E6 8D      INC a8D  
\$C9FF: 68      bC9FF   PLA  
\$CA00: AA      TAX  
\$CA01: 68      PLA  
\$CA02: A8      TAY  
\$CA03: 68      PLA  
\$CA04: 60      RTS  
  
\$CA05: 98      sCA05   TYA  
\$CA06: 48      PHA  
\$CA07: 8A      TXA  
\$CA08: 48      PHA  
\$CA09: EE 57 82      INC a8257  
\$CA0C: AC 57 82      LDY a8257  
\$CA0F: A5 8C      LDA a8C  
\$CA11: 29 1F      AND #\$1F  
\$CA13: 0A      ASL  
\$CA14: 0A      ASL  
\$CA15: 99 00 04      STA a0400,Y  
\$CA18: A5 8D      LDA a8D



\$CA1A: 8D 64 82      STA a8264  
\$CA1D: A5 8C      LDA a8C  
\$CA1F: 4E 64 82      LSR a8264  
\$CA22: 6A      ROR  
\$CA23: 4E 64 82      LSR a8264  
\$CA26: 6A      ROR  
\$CA27: 4E 64 82      LSR a8264  
\$CA2A: 6A      ROR  
\$CA2B: 29 7C      AND #\$7C  
\$CA2D: 99 C0 04      STA f04C0,Y  
\$CA30: AD F3 CA      LDA aCAF3  
\$CA33: 29 03      AND #\$03  
\$CA35: 4A      LSR  
\$CA36: 6A      ROR  
\$CA37: 6A      ROR  
\$CA38: 8D 64 82      STA a8264  
\$CA3B: AD F3 CA      LDA aCAF3  
\$CA3E: 29 38      AND #\$38  
\$CA40: C9 28      CMP #\$28  
\$CA42: D0 05      BNE bCA49  
\$CA44: A2 C0      LDX #\$C0  
\$CA46: 8E 64 82      STX a8264  
\$CA49: 0D 64 82      bCA49 ORA a8264  
\$CA4C: 8D 64 82      STA a8264  
\$CA4F: AD 04 DC      LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$CA52: 29 07      AND #\$07  
\$CA54: 0D 64 82      ORA a8264  
\$CA57: 99 80 05      STA f0580,Y  
\$CA5A: AD 04 DC      LDA \$DC04 ;CIA1: Timer A: Low-Byte  
\$CA5D: 29 E0      AND #\$E0  
\$CA5F: 99 40 06      STA f0640,Y  
\$CA62: 68      PLA  
\$CA63: AA      TAX  
\$CA64: 68      PLA  
\$CA65: A8      TAY  
\$CA66: A9 00      LDA #\$00  
\$CA68: 60      RTS  
  
\$CA69: A5 8C      sCA69 LDA a8C  
\$CA6B: 85 C0      STA aC0  
\$CA6D: 85 C2      STA aC2  
\$CA6F: 29 1F      AND #\$1F  
\$CA71: 8D 0F 91      STA a910F  
\$CA74: A5 8D      LDA a8D  
\$CA76: 85 C1      STA aC1  
\$CA78: 85 C3      STA aC3  
\$CA7A: 29 03      AND #\$03  
\$CA7C: 8D 10 91      STA a9110  
\$CA7F: A5 8C      LDA a8C  
\$CA81: 0A      ASL

\$CA82: 2E 10 91      ROL a9110

\$CA85: 0A            ASL

\$CA86: 2E 10 91      ROL a9110

\$CA89: 0A            ASL

\$CA8A: 2E 10 91      ROL a9110

\$CA8D: A9 00        LDA #\$00

\$CA8F: 60            RTS

\$CA90: A0 0C      sCA90 LDY #\$0C

    sCA93 =\*+\$01

\$CA92: 2C A0 08      BIT a08A0

    sCA96 =\*+\$01

\$CA95: 2C A0 04      BIT a04A0

    sCA99 =\*+\$01

\$CA98: 2C A0 00      BIT f00A0

\$CA9B: 20 BB C8      JSR sC8BB

\$CA9E: 90 01        BCC bCAA1

\$CAA0: 60            RTS

\$CAA1: 98      bCAA1 TYA

\$CAA2: 4A        LSR

\$CAA3: A8        TAY

\$CAA4: A1 8E      LDA (p8E,X)

\$CAA6: 48        PHA

\$CAA7: 29 80      AND #\$80

\$CAA9: 8D E5 CA      STA aCAE5  
 \$CAAC: 68            PLA  
 \$CAAD: 29 7F        AND #\$7F  
 \$CAAF: F0 14        BEQ bCAC5  
 \$CAB1: C9 10        CMP #\$10  
 \$CAB3: B0 10        BCS bCAC5  
 \$CAB5: B9 D6 CA     LDA fCAD6,Y  
 \$CAB8: 49 FF        EOR #\$FF  
 \$CABA: 21 8E        AND (p8E,X)  
 \$CABC: D0 02        BNE bCAC0  
 \$CABE: A9 10        LDA #\$10  
 \$CAC0: 0D E5 CA    bCAC0 ORA aCAE5  
 \$CAC3: 81 8E        STA (p8E,X)  
 \$CAC5: 60        bCAC5 RTS

fCAC7 =\*+\$01

\$CAC6: E0 FF    fCAC6 CPX #\$FF  
 \$CAC8: E1 FF        SBC (pFF,X)  
 \$CACA: 01 00        ORA (p00,X)  
 \$CACC: 21 00        AND (p00,X)  
 \$CACE: 20 00 1F     JSR f1F00  
 \$CAD1: 00 FF        BRK #\$FF  
 \$CAD3: 0F DF FF     SLO \$FFDF

fCAD7 =\*+\$01

\$CAD6: 04 01    fCAD6 NOP a01

\$CAD8: 08 PHP  
\$CAD9: 02 JAM  
\$CADA: 01 04 ORA (p04,X)  
\$CADC: 02 JAM  
\$CADD: 08 PHP  
aCADF =\*+\$01  
\$CADE: 00 01 aCADE BRK # \$01  
aCAE1 =\*+\$01  
\$CAE0: 00 00 aCAE0 BRK # \$00  
\$CAE2: 40 aCAE2 RTI  
aCAE4 =\*+\$01  
\$CAE3: 00 00 aCAE3 BRK # \$00  
fCAE6 =\*+\$01  
\$CAE5: 00 00 aCAE5 BRK # \$00  
\$CAE7: 36 11 ROL f11,X  
\$CAE9: 00 12 BRK # \$12  
\$CAEB: 00 90 BRK # \$90  
fCAEE =\*+\$01  
\$CAED: 10 40 BPL bCB2F  
\$CAEF: 80 40 NOP # \$40  
aCAF2 =\*+\$01  
\$CAF1: 80 FF NOP # \$FF  
aCAF4 =\*+\$01  
aCAF5 =\*+\$02

\$CAF3: 0F 1F FF aCAF3 SLO aFF1F

\$CAF6: AD F4 CA sCAF6 LDA aCAF4

\$CAF9: 29 1F AND #\$1F

\$CAFB: 8D F4 CA STA aCAF4

\$CAFE: A8 TAY

\$CAFF: A9 00 LDA #\$00

\$CB01: 85 FB STA aFB

\$CB03: AD F5 CA LDA aCAF5

\$CB06: 29 1F AND #\$1F

\$CB08: 8D F5 CA STA aCAF5

\$CB0B: 4A LSR

\$CB0C: 66 FB ROR aFB

\$CB0E: 4A LSR

\$CB0F: 66 FB ROR aFB

\$CB11: 4A LSR

\$CB12: 66 FB ROR aFB

\$CB14: 18 CLC

\$CB15: 69 0C ADC #\$0C

\$CB17: 85 FC STA aFC

\$CB19: B1 FB LDA (pFB),Y

\$CB1B: 29 7F AND #\$7F

\$CB1D: 8D F3 CA STA aCAF3

\$CB20: 60 RTS

\$CB21: AD F5 CA sCB21 LDA aCAF5

\$CB24: 85 FA	STA aFA
\$CB26: A9 00	LDA #\$00
\$CB28: 46 FA	LSR aFA
\$CB2A: 6A	ROR
\$CB2B: 18	CLC
\$CB2C: 6D F4 CA	ADC aCAF4
\$CB2F: 6D F4 CA	bCB2F ADC aCAF4
\$CB32: 85 F9	STA aF9
\$CB34: 85 F7	STA aF7
\$CB36: A5 FA	LDA aFA
\$CB38: 69 30	ADC #\$30
\$CB3A: 85 FA	STA aFA
\$CB3C: 38	SEC
\$CB3D: E9 10	SBC #\$10
\$CB3F: 85 F8	STA aF8
\$CB41: A9 00	LDA #\$00
\$CB43: 85 FC	STA aFC
\$CB45: AD F3 CA	LDA aCAF3
\$CB48: 0A	ASL
\$CB49: 26 FC	ROL aFC
\$CB4B: 0A	ASL
\$CB4C: 26 FC	ROL aFC
\$CB4E: 85 FB	STA aFB
\$CB50: 85 FD	STA aFD
\$CB52: A5 FC	LDA aFC

\$CB54: 18	CLC
\$CB55: 69 F4	ADC #\$F4
\$CB57: 85 FC	STA aFC
\$CB59: 69 02	ADC #\$02
\$CB5B: 85 FE	STA aFE
\$CB5D: 60	RTS
\$CB5E: A9 7D	sCB5E LDA #\$7D
\$CB60: CD 4D BF	CMP aBF4D
\$CB63: 90 05	BCC bCB6A
\$CB65: CD 4E BF	CMP aBF4E
\$CB68: B0 48	BCS sCBB2
\$CB6A: A5 F9	bCB6A LDA aF9
\$CB6C: 29 3F	AND #\$3F
\$CB6E: AA	TAX
\$CB6F: A5 F9	LDA aF9
\$CB71: 29 C0	AND #\$C0
\$CB73: 85 F9	STA aF9
\$CB75: A0 03	LDY #\$03
\$CB77: B1 FB	LDA (pFB),Y
\$CB79: 48	PHA
\$CB7A: 88	DEY
\$CB7B: B1 FB	LDA (pFB),Y
\$CB7D: 48	PHA
\$CB7E: 88	DEY



\$CB7F: B1 FB	LDA (pFB),Y
\$CB81: 48	PHA
\$CB82: 88	DEY
\$CB83: B1 FB	LDA (pFB),Y
\$CB85: 48	PHA
\$CB86: BC 00 8E	LDY f8E00,X
\$CB89: 68	PLA
\$CB8A: 91 F9	STA (pF9),Y
\$CB8C: BC 01 8E	LDY f8E01,X
\$CB8F: 68	PLA
\$CB90: 18	CLC
\$CB91: 91 F9	STA (pF9),Y
\$CB93: A5 F9	LDA aF9
\$CB95: 69 40	ADC #\$40
\$CB97: 85 F9	STA aF9
\$CB99: 90 0A	BCC bCBA5
\$CB9B: A5 FA	LDA aFA
\$CB9D: 69 00	ADC #\$00
	fCBA0 =*+\$01
\$CB9F: 29 0F	AND #\$0F
\$CBA1: 09 30	ORA #\$30
\$CBA3: 85 FA	STA aFA
\$CBA5: BC 00 8E	bCBA5 LDY f8E00,X
\$CBA8: 68	PLA
\$CBA9: 91 F9	STA (pF9),Y

\$CBAB: BC 01 8E LDY f8E01,X

\$CBAE: 68 PLA

\$CBAF: 91 F9 STA (pF9),Y

\$CBB1: 60 RTS

\$CBB2: A0 00 sCBB2 LDY #\$00

\$CBB4: B1 FB LDA (pFB),Y

\$CBB6: 91 F9 STA (pF9),Y

\$CBB8: C8 INY

\$CBB9: B1 FB LDA (pFB),Y

\$CBBB: 91 F9 STA (pF9),Y

\$CBBD: C8 INY

\$CBBE: B1 FB LDA (pFB),Y

\$CBC0: 48 PHA

\$CBC1: C8 INY

\$CBC2: B1 FB LDA (pFB),Y

\$CBC4: A0 41 LDY #\$41

\$CBC6: 91 F9 STA (pF9),Y

\$CBC8: 88 DEY

\$CBC9: 68 PLA

\$CBCA: 91 F9 STA (pF9),Y

\$CBCC: 60 RTS

\$CBCD: A9 7D sCBCD LDA #\$7D

\$CBCF: CD 4D BF CMP aBF4D

\$CBD2: 90 05	BCC bCBD9
\$CBD4: CD 4D BF	CMP aBF4D
\$CBD7: B0 48	BCS sCC21
\$CBD9: A5 F7	bCBD9 LDA aF7
\$CBDB: 29 3F	AND #3F
\$CBDD: AA	TAX
\$CBDE: A5 F7	LDA aF7
\$CBE0: 29 C0	AND #C0
\$CBE2: 85 F7	STA aF7
\$CBE4: A0 03	LDY #03
\$CBE6: B1 FD	LDA (pFD),Y
\$CBE8: 48	PHA
\$CBE9: 88	DEY
\$CBEA: B1 FD	LDA (pFD),Y
\$CBEC: 48	PHA
\$CBED: 88	DEY
\$CBEE: B1 FD	LDA (pFD),Y
\$CBF0: 48	PHA
\$CBF1: 88	DEY
\$CBF2: B1 FD	LDA (pFD),Y
\$CBF4: 48	PHA
\$CBF5: BC 00 8E	LDY f8E00,X
\$CBF8: 68	PLA
\$CBF9: 91 F7	STA (pF7),Y
\$CBFB: BC 01 8E	LDY f8E01,X

\$CBFE: 68            PLA  
                  aCC00 =\*+\$01  
\$CBFF: 91 F7        STA (pF7),Y  
\$CC01: A5 F7        LDA aF7  
\$CC03: 18        aCC03 CLC  
\$CC04: 69 40        ADC #\$40  
\$CC06: 85 F7        STA aF7  
\$CC08: 90 0A        BCC bCC14  
\$CC0A: A5 F8        LDA aF8  
\$CC0C: 69 00        aCC0C ADC #\$00  
\$CC0E: 29 0F        AND #\$0F  
\$CC10: 09 30        ORA #\$30  
\$CC12: 85 F8        STA aF8  
\$CC14: BC 00 8E     bCC14 LDY f8E00,X  
\$CC17: 68            PLA  
\$CC18: 91 F7        STA (pF7),Y  
\$CC1A: BC 01 8E        LDY f8E01,X  
\$CC1D: 68            PLA  
\$CC1E: 91 F7        STA (pF7),Y  
\$CC20: 60            RTS  
  
\$CC21: A0 00        sCC21 LDY #\$00  
\$CC23: B1 FD        LDA (pFD),Y  
\$CC25: 91 F7        STA (pF7),Y  
\$CC27: C8            INY

\$CC28: B1 FD LDA (pFD),Y  
\$CC2A: 91 F7 STA (pF7),Y  
\$CC2C: C8 INY  
\$CC2D: B1 FD LDA (pFD),Y  
\$CC2F: 48 PHA  
\$CC30: C8 INY  
\$CC31: B1 FD LDA (pFD),Y  
\$CC33: A0 41 aCC33 LDY #\$41  
\$CC35: 91 F7 STA (pF7),Y  
\$CC37: 88 DEY  
\$CC38: 68 PLA  
\$CC39: 91 F7 STA (pF7),Y  
\$CC3B: 60 RTS  
  
\$CC3C: A9 7D aCC3C LDA #\$7D  
\$CC3E: CD 4D BF CMP aBF4D  
\$CC41: 90 05 BCC bCC48  
\$CC43: CD 4D BF CMP aBF4D  
\$CC46: B0 37 BCS bCC7F  
\$CC48: A5 F7 bCC48 LDA aF7  
\$CC4A: 29 3F AND #\$3F  
\$CC4C: AA TAX  
\$CC4D: 45 F7 EOR aF7  
\$CC4F: 85 F7 STA aF7  
\$CC51: A0 03 LDY #\$03

\$CC53: B1 FD	LDA (pFD),Y
\$CC55: 48	PHA
\$CC56: BC 00 8E	LDY f8E00,X
\$CC59: 91 F7	STA (pF7),Y
\$CC5B: BC 01 8E	LDY f8E01,X
\$CC5E: 91 F7	STA (pF7),Y
\$CC60: A5 F7	LDA aF7
\$CC62: 18	CLC
\$CC63: 69 40	ADC #\$40
\$CC65: 85 F7	STA aF7
\$CC67: 90 0A	BCC bCC73
\$CC69: A5 F8	LDA aF8
\$CC6B: 69 00	ADC #\$00
\$CC6D: 29 0F	AND #\$0F
\$CC6F: 09 30	ORA #\$30
\$CC71: 85 F8	STA aF8
\$CC73: BC 00 8E	bCC73 LDY f8E00,X
\$CC76: 68	PLA
\$CC77: 91 F7	STA (pF7),Y
\$CC79: BC 01 8E	LDY f8E01,X
\$CC7C: 91 F7	STA (pF7),Y
\$CC7E: 60	RTS
\$CC7F: A0 00	bCC7F LDY #\$00
\$CC81: B1 FD	LDA (pFD),Y

\$CC83: 91 F7 STA (pF7),Y

\$CC85: C8 INY

\$CC86: 91 F7 STA (pF7),Y

\$CC88: A0 41 LDY #\$41

\$CC8A: 91 F7 STA (pF7),Y

\$CC8C: 88 DEY

\$CC8D: 91 F7 STA (pF7),Y

\$CC8F: 60 RTS

\$CC90: A9 5B sCC90 LDA #\$5B

\$CC92: A0 00 LDY #\$00

\$CC94: 91 F9 STA (pF9),Y

\$CC96: C8 INY

\$CC97: 91 F9 STA (pF9),Y

\$CC99: A0 40 LDY #\$40

\$CC9B: 91 F9 STA (pF9),Y

\$CC9D: C8 INY

\$CC9E: 91 F9 STA (pF9),Y

\$CCA0: 60 RTS

\$CCA1: A9 1F sCCA1 LDA #\$1F

\$CCA3: 8D F5 CA STA aCAF5

\$CCA6: 8D F4 CA STA aCAF4

\$CCA9: 20 F6 CA bCCA9 JSR sCAF6

\$CCAC: 20 21 CB JSR sCB21

fCCB0 =\*+\$01

\$CCAF: 20 B2 CB JSR sCBB2

\$CCB2: 20 21 CC JSR sCC21

\$CCB5: CE F4 CA DEC aCAF4

\$CCB8: 10 EF BPL bCCA9

\$CCBA: A9 1F LDA #\$1F

\$CCBC: 8D F4 CA STA aCAF4

aCCCO =\*+\$01

\$CCBF: CE F5 CA DEC aCAF5

\$CCC2: 10 E5 BPL bCCA9

\$CCC4: 60 RTS

\$CCC5: AD 01 0A sCCC5 LDA a0A01

\$CCC8: 29 04 AND #\$04

\$CCCA: D0 01 BNE bCCCD

\$CCCC: 60 fCCCC RTS

\$CCCD: AD 04 DC bCCCD LDA \$DC04 ;CIA1: Timer A: Low-Byte

\$CCD0: 6D 05 DC ADC \$DC05 ;CIA1: Timer A: High-Byte

\$CCD3: 6D 06 DC ADC \$DC06 ;CIA1: Timer B: Low-Byte

\$CCD6: 6D 07 DC ADC \$DC07 ;CIA1: Timer B: High-Byte

\$CCD9: 4D 05 DC EOR \$DC05 ;CIA1: Timer A: High-Byte

\$CCDC: CD DF CA CMP aCADF

\$CCDF: B0 EC BCS bCCCD

\$CCE1: 8D E0 CA STA aCAE0



\$CCE4: A2 03	LDX #\$03
\$CCE6: A9 00	LDA #\$00
\$CCE8: 8D E1 CA	STA aCAE1
\$CCEB: 85 8C	STA a8C
\$CCED: A9 0C	LDA #\$0C
\$CCEF: 85 8D	STA a8D
\$CCF1: A0 00	LDY #\$00
\$CCF3: B1 8C	fCCF3 LDA (p8C),Y
\$CCF5: C9 36	CMP #\$36
\$CCF7: D0 0F	BNE bCD08
\$CCF9: AD E1 CA	LDA aCAE1
\$CCFC: EE E1 CA	INC aCAE1
\$CCFF: CD E0 CA	CMP aCAE0
\$CD02: F0 04	BEQ bCD08
\$CD04: A9 00	LDA #\$00
\$CD06: 91 8C	STA (p8C),Y
\$CD08: C8	bCD08 INY
	aCD0A =*+\$01
\$CD09: D0 E8	BNE fCCF3
\$CD0B: E6 8D	INC a8D
\$CD0D: CA	DEX
\$CD0E: 10 E3	BPL fCCF3
\$CD10: 60	RTS
\$CD11: AD AE 99	sCD11 LDA a99AE

\$CD14: C9 02      CMP #\$02  
\$CD16: F0 04      BEQ bCD1C  
\$CD18: C9 05      CMP #\$05  
\$CD1A: D0 22      BNE bCD3E  
\$CD1C: A9 00    bCD1C LDA #<p0C00  
\$CD1E: 85 8C      STA a8C  
\$CD20: A9 0C      LDA #>p0C00  
\$CD22: 85 8D      STA a8D  
\$CD24: A0 00      LDY #\$00  
\$CD26: A2 03      LDX #\$03  
\$CD28: B1 8C    bCD28 LDA (p8C),Y  
\$CD2A: C9 37      CMP #\$37  
\$CD2C: F0 04      BEQ bCD32  
\$CD2E: C9 38      CMP #\$38  
\$CD30: D0 04      BNE bCD36  
\$CD32: A9 36    bCD32 LDA #\$36  
\$CD34: 91 8C      STA (p8C),Y  
\$CD36: C8      bCD36 INY  
\$CD37: D0 EF      BNE bCD28  
\$CD39: E6 8D      INC a8D  
\$CD3B: CA      DEX  
\$CD3C: 10 EA      BPL bCD28  
\$CD3E: 60      bCD3E RTS  
  
\$CD3F: AD 57 82   sCD3F LDA a8257

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$CD42: C9 FF      CMP #$FF
$CD44: F0 17      BEQ bCD5D
$CD46: A0 00      LDY #$00
$CD48: A2 FF      LDX #$FF
$CD4A: CC 57 82   jCD4A  CPY a8257
$CD4D: F0 02      BEQ bCD51
$CD4F: B0 0C      BCS bCD5D
$CD51: 20 5E CD   bCD51  JSR sCD5E
$CD54: D0 03      BNE bCD59
$CD56: 20 66 CD   JSR sCD66
$CD59: C8        bCD59  INY
$CD5A: 4C 4A CD   JMP jCD4A

$CD5D: 60        bCD5D  RTS

$CD5E: B9 80 05   sCD5E  LDA f0580,Y
$CD61: 29 38      AND #$38
$CD63: C9 28      CMP #$28
$CD65: 60        RTS

$CD66: E8        sCD66  INX
$CD67: A9 32      LDA #$32
$CD69: 9D 00 07   STA f0700,X
$CD6C: BD 00 04   LDA a0400,X
$CD6F: 48        PHA
```

\$CD70: B9 00 04	LDA a0400,Y
\$CD73: 9D 00 04	STA a0400,X
\$CD76: 68	PLA
\$CD77: 99 00 04	STA a0400,Y
\$CD7A: BD C0 04	LDA f04C0,X
\$CD7D: 48	PHA
\$CD7E: B9 C0 04	LDA f04C0,Y
\$CD81: 9D C0 04	STA f04C0,X
\$CD84: 68	PLA
\$CD85: 99 C0 04	STA f04C0,Y
\$CD88: BD 80 05	LDA f0580,X
\$CD8B: 48	PHA
\$CD8C: B9 80 05	LDA f0580,Y
\$CD8F: 9D 80 05	STA f0580,X
\$CD92: 68	PLA
\$CD93: 99 80 05	STA f0580,Y
\$CD96: BD 40 06	LDA f0640,X
\$CD99: 48	PHA
\$CD9A: B9 40 06	LDA f0640,Y
\$CD9D: 9D 40 06	STA f0640,X
\$CDA0: 68	PLA
\$CDA1: 99 40 06	STA f0640,Y
\$CDA4: 60	RTS
\$CDA5: 4C 56 CE	JMP sCE56

```

aCDA9 =*+$01
aCDAA =*+$02
$CDA8: FF FF FF aCDA8 ISC fffff,X ;IRQ
$CDAB: 00 00 fCDAB BRK #$00
aCDAE =*+$01
$CDAD: 11 83 aCDAD ORA (p83),Y
aCDB0 =*+$01
$CDAF: D1 02 aCDAF CMP (p02),Y
sCDB2 =*+$01
$CDB1: 00 D8 BRK #$D8
$CDB3: A0 00 LDY #$00
$CDB5: AD A8 CD LDA aCDA8
aCDB9 =*+$01
$CDB8: C9 FF CMP #$FF
aCDBB =*+$01
$CDBA: F0 2D aCDBA BEQ bCDE9
$CDBC: B1 A6 LDA (pA6),Y
$CDBE: D0 0D BNE bCDCD
$CDC0: 8D 00 D4 STA $D400 ;Voice 1: Frequency Control - Low-Byte
$CDC3: 8D 01 D4 STA $D401 ;Voice 1: Frequency Control - High-Byte
$CDC6: A9 FF LDA #$FF
$CDC8: 8D A8 CD STA aCDA8
$CDCB: D0 1C BNE bCDE9
$CDCD: 8D AE CD bCDCD STA aCDAE

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\$CDD0: C8	INY
\$CDD1: B1 A6	LDA (pA6),Y
\$CDD3: 8D AF CD	STA aCDAF
\$CDD6: A0 00	LDY #\$00
\$CDD8: 20 26 CF	JSR sCF26
\$CDDB: 18	CLC
\$CDDC: A5 A6	LDA aA6
\$CDDE: 69 02	ADC #\$02
\$CDE0: 85 A6	STA aA6
\$CDE2: 90 02	BCC bCDE6
\$CDE4: E6 A7	INC aA7
\$CDE6: EE A8 CD	bCDE6 INC aCDA8
\$CDE9: AD A9 CD	bCDE9 LDA aCDA9
\$CDEC: C9 FF	CMP #\$FF
\$CDEE: F0 2F	BEQ bCE1F
\$CDF0: A0 00	LDY #\$00
\$CDF2: B1 A8	LDA (pA8),Y
\$CDF4: D0 0D	BNE bCE03
	aCDF7 =*+\$01
	aCDF8 =*+\$02
\$CDF6: 8D 07 D4	aCDF6 STA \$D407 ;Voice 2: Frequency Control - Low-Byte
\$CDF9: 8D 08 D4	STA \$D408 ;Voice 2: Frequency Control - High-Byte
\$CDFC: A9 FF	LDA #\$FF
\$CDFE: 8D A9 CD	STA aCDA9
\$CE01: D0 1C	BNE bCE1F

\$CE03: 8D AE CD    bCE03    STA aCDAE  
 \$CE06: C8            INY  
 \$CE07: B1 A8        LDA (pA8),Y  
                       aCE0A    =\*+\$01  
 \$CE09: 8D AF CD     STA aCDAF  
 \$CE0C: A0 07        LDY #\$07  
 \$CE0E: 20 26 CF    aCE0E    JSR sCF26  
 \$CE11: 18            CLC  
 \$CE12: A5 A8        LDA aA8  
 \$CE14: 69 02        ADC #\$02  
 \$CE16: 85 A8        STA aA8  
 \$CE18: 90 02        BCC bCE1C  
 \$CE1A: E6 A9        INC aA9  
 \$CE1C: EE A9 CD    bCE1C    INC aCDA9  
 \$CE1F: AD AA CD    bCE1F    LDA aCDAA  
 \$CE22: C9 FF        CMP #\$FF  
 \$CE24: F0 2F        BEQ bCE55  
 \$CE26: A0 00        LDY #\$00  
 \$CE28: B1 AA        LDA (pAA),Y  
 \$CE2A: D0 0D        BNE bCE39  
 \$CE2C: 8D 14 D4     STA \$D414    ;Voice 3: Sustain / Release Cycle Control  
 \$CE2F: 8D 15 D4     STA \$D415    ;Filter Cutoff Frequency: Low-Nybble  
 \$CE32: A9 FF        LDA #\$FF  
 \$CE34: 8D AA CD     STA aCDAA  
 \$CE37: D0 1C        BNE bCE55

\$CE39: 8D AE CD bCE39 STA aCDAE

\$CE3C: C8 INY

\$CE3D: B1 AA LDA (pAA),Y

\$CE3F: 8D AF CD STA aCDAF

\$CE42: A0 0E LDY #\$0E

\$CE44: 20 26 CF JSR sCF26

\$CE47: 18 CLC

\$CE48: A5 AA LDA aAA

\$CE4A: 69 02 ADC #\$02

\$CE4C: 85 AA STA aAA

\$CE4E: 90 02 BCC bCE52

\$CE50: E6 AB INC aAB

\$CE52: EE AA CD bCE52 INC aCDAA

\$CE55: 60 bCE55 RTS

\$CE56: A9 FF sCE56 LDA #\$FF

\$CE58: 8D A8 CD STA aCDA8

\$CE5B: 8D A9 CD STA aCDA9

\$CE5E: 8D AA CD STA aCDAA

\$CE61: A9 00 LDA #\$00

\$CE63: A2 05 LDX #\$05

\$CE65: 95 A6 bCE65 STA fA6,X

\$CE67: CA DEX

\$CE68: 10 FB BPL bCE65

\$CE6A: A0 18 LDY #\$18



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$CE6C: B9 A1 CE  bCE6C  LDA fCEA1,Y
$CE6F: 99 00 D4      STA $D400,Y ;Voice 1: Frequency Control - Low-Byte
$CE72: 88          DEY
$CE73: 10 F7       BPL bCE6C
$CE75: 60          RTS

$CE76: A9 00       LDA #<f1F00
$CE78: 8D 21 D4     STA aD421
$CE7B: A9 1F       LDA #>f1F00
$CE7D: 8D 22 D4     STA aD422
$CE80: A9 F7       LDA #$F7
$CE82: 8D 23 D4     STA aD423
$CE85: A9 1F       LDA #$1F
$CE87: 8D 18 D4     STA $D418 ;Select Filter Mode and Volume
$CE8A: A9 00       LDA #$00
$CE8C: 8D 04 D4     STA $D404 ;Voice 1: Control Register
$CE8F: 8D 0B D4     STA $D40B ;Voice 2: Control Register
$CE92: 8D 12 D4     STA $D412 ;Voice 3: Control Register
$CE95: A9 08       LDA #$08
$CE97: 8D 03 D4     STA $D403 ;Voice 1: Pulse Waveform Width - High-Nybble
$CE9A: 8D 10 D4     STA $D410 ;Voice 3: Pulse Waveform Width - Low-Byte
$CE9D: 8D 17 D4     STA $D417 ;Filter Resonance Control / Voice Input Control
$CEA0: 60          RTS

$CEA1: 00 00  fCEA1  BRK #$00

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\$CEA3: 00 08	BRK #08
\$CEA5: 00 00	BRK #00
\$CEA7: 00 00	BRK #00
\$CEA9: 00 00	BRK #00
\$CEAB: 08	PHP
\$CEAC: 00 00	BRK #00
\$CEAE: 00 00	BRK #00
\$CEB0: 00 00	BRK #00
\$CEB2: 08	PHP
\$CEB3: 00 00	BRK #00
\$CEB5: 00 07	BRK #07
\$CEB7: FF F0 0F	ISC f0FF0,X
\$CEBA: 48	sCEBA PHA
\$CEBB: A2 02	LDX #02
\$CEBD: AC 11 A1	LDY aA111
\$CEC0: F0 10	BEQ bCED2
fCEC3	=*+\$01
\$CEC2: A2 00	LDX #00
\$CEC4: A9 FF	LDA #FF
\$CEC6: 8D A8 CD	STA aCDA8
\$CEC9: 8D A9 CD	STA aCDA9
\$CECC: 8D AA CD	STA aCDAA
\$CECF: 4C FD CE	JMP jCEFD
\$CED2: DD AB CD	bCED2 CMP fCDAB,X

\$CED5: F0 26      BEQ jCEFD  
 \$CED7: CA          DEX  
 \$CED8: 10 F8      BPL bCED2  
 \$CEDA: A9 FF      LDA #\$FF  
 \$CEDC: A2 02      LDX #\$02  
 \$CEDE: DD A8 CD   bCEDE   CMP aCDA8,X  
 \$CEE1: F0 1A      BEQ jCEFD  
 \$CEE3: CA          DEX  
 \$CEE4: 10 F8      BPL bCEDE  
 \$CEE6: A9 00      LDA #\$00  
 \$CEE8: A0 02      LDY #\$02  
 \$CEEA: A2 02      LDX #\$02  
 \$CEEC: DD A8 CD   bCEEC   CMP aCDA8,X  
                  fCFE0   =\*+\$01  
 \$CEEF: B0 06      BCS bCEF7  
 \$CEF1: 8E B0 CD      STX aCDB0  
 \$CEF4: BD A8 CD      LDA aCDA8,X  
 \$CEF7: CA      bCEF7   DEX  
 \$CEF8: 10 F2      BPL bCEEC  
 \$CEFA: AE B0 CD      LDX aCDB0  
 \$CEFD: 8E B0 CD   jCEFD   STX aCDB0  
 \$CF00: A9 FF      fCF00   LDA #\$FF  
                  fCF03   =\*+\$01  
 \$CF02: 9D A8 CD      STA aCDA8,X  
 \$CF05: 68          PLA

\$CF06: 9D AB CD	STA fCDAB,X
\$CF09: 0A	ASL
\$CF0A: A8	TAY
\$CF0B: 8A	TXA
\$CF0C: 0A	ASL
\$CF0D: AA	TAX
\$CF0E: 18	CLC
\$CF0F: A9 00	LDA #\$00
\$CF11: 79 00 F0	ADC aF000,Y
\$CF14: 95 A6	STA fa6,X
\$CF16: A9 F0	LDA #\$F0
\$CF18: 79 01 F0	ADC ff001,Y
\$CF1B: 95 A7	STA fa7,X
\$CF1D: A9 00	LDA #\$00
\$CF1F: AE B0 CD	LDX aCDB0
\$CF22: 9D A8 CD	STA aCDA8,X
\$CF25: 60	RTS
\$CF26: AD AF CD	sCF26 LDA aCDAF
\$CF29: 49 FF	EOR #\$FF
\$CF2B: 4A	LSR
\$CF2C: 6E AF CD	ROR aCDAF
\$CF2F: 4A	LSR
\$CF30: 6E AF CD	ROR aCDAF
\$CF33: 99 01 D4	fCF33 STA \$D401,Y ;Voice 1: Frequency Control - High-Byte

```

$CF36: AD AF CD    LDA aCDAF
$CF39: 29 C0      AND #$C0
$CF3B: 99 00 D4    STA $D400,Y ;Voice 1: Frequency Control - Low-Byte
$CF3E: AD AE CD    LDA aCDAE
$CF41: 29 0F      AND #$0F
$CF43: D0 03      BNE bCF48
$CF45: A2 41      LDX #$41
                bCF48 =*+$01
$CF47: 2C A2 81    BIT a81A2
$CF4A: A9 00      LDA #$00
$CF4C: 99 04 D4    STA $D404,Y ;Voice 1: Control Register
$CF4F: 99 05 D4    STA $D405,Y ;Voice 1: Attack / Decay Cycle Control
$CF52: 8A         TXA
$CF53: 99 04 D4    STA $D404,Y ;Voice 1: Control Register
$CF56: A9 08      LDA #$08
$CF58: 99 03 D4    STA $D403,Y ;Voice 1: Pulse Waveform Width - High-Nybble
$CF5B: AD AE CD    LDA aCDAE
$CF5E: 29 F0      AND #$F0
$CF60: 99 06 D4    aCF60 STA $D406,Y ;Voice 1: Sustain / Release Cycle Control
$CF63: 60         RTS

$CF64: AD 12 D0    LDA $D012 ;Raster Position
$CF67: CD 12 D0    bCF67 CMP $D012 ;Raster Position
$CF6A: F0 FB      BEQ bCF67
$CF6C: CD 12 D0    bCF6C CMP $D012 ;Raster Position

```

\$CF6F: D0 FB        BNE bCF6C

\$CF71: 60         RTS

\$CF72: 20 80 CF   sCF72 JSR sCF80

\$CF75: AD 11 A1   bCF75 LDA aA111

\$CF78: D0 FB        BNE bCF75

\$CF7A: A9 00        LDA #\$00

\$CF7C: 8D 52 82     STA a8252

\$CF7F: 60         RTS

\$CF80: AD A8 CD   sCF80 LDA aCDA8

\$CF83: 2D A9 CD     AND aCDA9

\$CF86: 2D AA CD     AND aCDAA

\$CF89: C9 FF       CMP #\$FF

      bCF8C =\*+ \$01

\$CF8B: D0 F3       BNE sCF80

\$CF8D: 60         RTS

\$CF8E: FF D0 F3     ISC ff3D0,X

\$CF91: 60         RTS

\$CF92: 2D AD CD     AND aCDAD

\$CF95: C9 FF       CMP #\$FF

\$CF97: D0 F3       BNE bCF8C

\$CF99: 60         RTS

```

$CF9A: AD B9 CD   bCF9A  LDA aCDB9
$CF9D: 2D BA CD   bCF9D  AND aCDBA
$CFA0: 2D BB CD       AND aCDBB
$CFA3: C9 FF       CMP #$FF
$CFA5: D0 F3       BNE bCF9A
$CFA7: 60         RTS

$CFA8: D0 F3       BNE bCF9D
$CFAA: 60         RTS

$CFAB: CD 29 F0     CMP aF029
$CFAE: 99 06 D4     STA $D406,Y ;Voice 1: Sustain / Release Cycle Control
$CFB1: 60         RTS

$CFB2: EA         NOP
$CFB3: EA         NOP
$CFB4: EA         NOP
$CFB5: A9 00       LDA #$00
$CFB7: 8D 20 D0     STA $D020 ;Border Color
$CFBA: 60         RTS

$CFBB: AD 12 D0     LDA $D012 ;Raster Position
                fCFC0 =*+$02
$CFBE: CD 12 D0   bCFBE  CMP $D012 ;Raster Position

```

```

$CFC1: F0 FB      BEQ bCFBE
$CFC3: CD 12 D0  bCFC3  CMP $D012  ;Raster Position
$CFC6: D0 FB      BNE bCFC3
$CFC8: 60         RTS

$CFC9: 20 D7 CF      JSR sCFD7
        aCFCE  =*+$02
$CFCC: AD 5C A1  bCFCC  LDA aA15C
$CFCF: D0 FB      fCFCF  BNE bCFCC
$CFD1: A9 00      LDA #$00
$CFD3: 8D 55 82      STA a8255
$CFD6: 60         RTS

$CFD7: AD F6 CD  sCFD7  LDA aCDF6
$CFDA: 2D F7 CD      AND aCDF7
$CFDD: 2D F8 CD      AND aCDF8
$CFE0: C9 FF      CMP #$FF
$CFE2: D0 F3      BNE sCFD7
$CFE4: 60         RTS

$CFE5: FF 00 FF      ISC fFF00,X
$CFE8: 00 FF      BRK #$FF
$CFEA: 00 FF      BRK #$FF
$CFEC: 00 FF      BRK #$FF
$CFEE: 00 FF      BRK #$FF

```



\$CFF0: 00 52 BRK #52

\$CFF2: 52 JAM

\$CFF3: 52 JAM

\$CFF4: 52 JAM

\$CFF5: 52 JAM

\$CFF6: 52 JAM

\$CFF7: 52 JAM

\$CFF8: 52 JAM

\$CFF9: 52 JAM

\$CFFA: 52 JAM

\$CFFB: 52 fCFFB JAM

\$CFFC: 52 JAM

aCFFE =\*+\$01

\$CFFD: 01 00 aCFFD ORA (p00,X)

\$CFFF: 01 4F aCFFF ORA (p4F,X)

\$D001: 00 06 BRK #06

\$D003: 0A ASL

\$D004: E9 FE SBC #FE

\$D006: 08 PHP

\$D007: 43 13 SRE (p13,X)

\$D009: 8E 95 50 STX a5095

\$D00C: 49 5F EOR #5F

\$D00E: B5 22 LDA f22,X

\$D010: 83 22 SAX (p22,X)

\$D012: 82 38 NOP #38

\$D014: 82 3F	NOP #3F
\$D016: 85 13	STA a13
\$D018: AC 15 FC	LDY aFC15
\$D01B: 22	JAM
\$D01C: 82 22	NOP #22
\$D01E: 82 22	NOP #22
\$D020: B2	JAM
\$D021: 15 FF	ORA fFF,X
\$D023: CF 40 81	DCP a8140
\$D026: 40	RTI
\$D027: 81 40	STA (p40,X)
\$D029: A6 42	LDX a42
\$D02B: 0D 90 42	ORA a4290
\$D02E: 0D 90 42	ORA a4290
\$D031: 0D 90 42	ORA a4290
\$D034: 0D BE 1F	ORA a1FBE
\$D037: 9A	TXS
\$D038: 21 99	AND (p99,X)
\$D03A: 21 BA	AND (pBA,X)
\$D03C: 13 8B	SLO (p8B),Y
\$D03E: 15 87	ORA f87,X
\$D040: 20 91 21	JSR f2191
\$D043: 99 21 C3	STA fc321,Y
\$D046: 21 84	AND (p84,X)

```
$D048: 36 80      ROL f80,X
$D04A: 1F 8C 21   SLO f218C,X
$D04D: 8C 37 00   STY a0037
$D050: 00 00     BRK # $00
$D052: 00 00     BRK # $00
$D054: 00 00     BRK # $00
$D056: 00 00     BRK # $00
$D058: 00 00     BRK # $00
$D05A: 00 00     BRK # $00
          fD05D =*+$01
$D05C: 00 00     BRK # $00
$D05E: 00 00     BRK # $00
$D060: 00 00     BRK # $00
$D062: 00 00     BRK # $00
$D064: 00 00     BRK # $00
$D066: 00 00     BRK # $00
$D068: 00 00     BRK # $00
$D06A: 00 00     BRK # $00
$D06C: 00 00     BRK # $00
$D06E: 00 00     BRK # $00
$D070: 00 00     BRK # $00
$D072: 00 00     BRK # $00
$D074: 00 00     fD074 BRK # $00
$D076: 00 00     BRK # $00
$D078: 00 00     BRK # $00
```

\$D07A: 00 00	BRK # \$00
\$D07C: 00 00	BRK # \$00
\$D07E: 00 00	BRK # \$00
\$D080: 00 00	BRK # \$00
\$D082: 00 00	BRK # \$00
\$D084: 00 00	BRK # \$00
\$D086: 00 00	BRK # \$00
\$D088: 00 00	BRK # \$00
\$D08A: 00 00	BRK # \$00
\$D08C: 00 00	BRK # \$00
\$D08E: 00 00	BRK # \$00
\$D090: 00 00	BRK # \$00
\$D092: 00 00	BRK # \$00
\$D094: 00 00	BRK # \$00
\$D096: 00 00	BRK # \$00
\$D098: 00 00	BRK # \$00
\$D09A: 00 00	BRK # \$00
\$D09C: 00 00	BRK # \$00
\$D09E: 00 00	BRK # \$00
\$D0A0: 00 00	BRK # \$00
\$D0A2: 00 00	BRK # \$00
\$D0A4: 00 00	BRK # \$00
\$D0A6: 00 00	BRK # \$00
\$D0A8: 00 00	BRK # \$00
\$D0AA: 00 00	BRK # \$00

\$D0AC: 00 00	BRK # \$00
\$D0AE: 00 00	BRK # \$00
\$D0B0: 00 00	fDOBO BRK # \$00
\$D0B2: 00 00	BRK # \$00
\$D0B4: 00 00	BRK # \$00
\$D0B6: 00 00	BRK # \$00
\$D0B8: 00 00	BRK # \$00
\$D0BA: 00 00	BRK # \$00
\$D0BC: 00 00	BRK # \$00
\$D0BE: 00 00	BRK # \$00
\$D0C0: 00 00	BRK # \$00
\$D0C2: 00 00	BRK # \$00
\$D0C4: 00 00	BRK # \$00
\$D0C6: 00 00	BRK # \$00
\$D0C8: 00 00	BRK # \$00
\$D0CA: 00 00	BRK # \$00
\$D0CC: 00 00	BRK # \$00
\$D0CE: 00 00	BRK # \$00
\$D0D0: 00 00	BRK # \$00
\$D0D2: 00 00	BRK # \$00
\$D0D4: 00 00	BRK # \$00
\$D0D6: 00 00	BRK # \$00
\$D0D8: 00 00	BRK # \$00
\$D0DA: 00 00	BRK # \$00
\$D0DC: 00 00	BRK # \$00

\$D0DE: 00 00	BRK # \$00
\$D0E0: 00 00	BRK # \$00
\$D0E2: 00 00	BRK # \$00
\$D0E4: 00 00	BRK # \$00
\$D0E6: 00 00	BRK # \$00
\$D0E8: 00 00	BRK # \$00
\$D0EA: 00 00	BRK # \$00
\$D0EC: 00 00	BRK # \$00
\$D0EE: 00 00	BRK # \$00
\$D0F0: 00 00	BRK # \$00
\$D0F2: 00 00	BRK # \$00
\$D0F4: 00 00	BRK # \$00
\$D0F6: 00 00	BRK # \$00
\$D0F8: 00 00	BRK # \$00
\$D0FA: 00 00	BRK # \$00
\$D0FC: 00 00	BRK # \$00
\$D0FE: 00 00	BRK # \$00
\$D100: 00 00	BRK # \$00
\$D102: 00 00	BRK # \$00
\$D104: 00 00	BRK # \$00
\$D106: 00 00	BRK # \$00
\$D108: 00 00	BRK # \$00
\$D10A: 00 00	BRK # \$00
\$D10C: 00 00	BRK # \$00
\$D10E: 00 00	BRK # \$00

\$D110: 00 00	BRK # \$00
\$D112: 00 00	BRK # \$00
\$D114: 00 00	BRK # \$00
\$D116: 00 00	BRK # \$00
\$D118: 00 00	BRK # \$00
\$D11A: 00 00	BRK # \$00
\$D11C: 00 00	BRK # \$00
\$D11E: 00 00	BRK # \$00
\$D120: 00 00	BRK # \$00
\$D122: 00 00	BRK # \$00
\$D124: 00 00	BRK # \$00
\$D126: 00 00	BRK # \$00
\$D128: 00 00	BRK # \$00
\$D12A: 00 00	BRK # \$00
\$D12C: 00 00	BRK # \$00
\$D12E: 00 00	BRK # \$00
\$D130: 00 00	BRK # \$00
\$D132: 00 00	BRK # \$00
\$D134: 00 00	BRK # \$00
\$D136: 00 00	BRK # \$00
\$D138: 00 00	BRK # \$00
\$D13A: 00 00	BRK # \$00
\$D13C: 00 00	BRK # \$00
\$D13E: 00 00	BRK # \$00
\$D140: 00 00	BRK # \$00

\$D142: 00 00	BRK # \$00
\$D144: 00 00	BRK # \$00
\$D146: 00 00	BRK # \$00
\$D148: 00 00	BRK # \$00
\$D14A: 00 00	BRK # \$00
\$D14C: 00 00	BRK # \$00
\$D14E: 00 00	BRK # \$00
\$D150: 00 00	BRK # \$00
\$D152: 00 00	BRK # \$00
\$D154: 00 00	BRK # \$00
\$D156: 00 00	BRK # \$00
\$D158: 00 00	BRK # \$00
\$D15A: 00 00	BRK # \$00
\$D15C: 00 00	BRK # \$00
\$D15E: 00 00	BRK # \$00
\$D160: 00 00	BRK # \$00
\$D162: 00 00	BRK # \$00
\$D164: 00 00	BRK # \$00
\$D166: 00 00	BRK # \$00
\$D168: 00 00	BRK # \$00
\$D16A: 00 00	BRK # \$00
\$D16C: 00 00	BRK # \$00
\$D16E: 00 00	BRK # \$00
\$D170: 00 00	BRK # \$00
\$D172: 00 00	BRK # \$00



\$D174: 00 00	BRK # \$00
\$D176: 00 00	BRK # \$00
\$D178: 00 00	BRK # \$00
\$D17A: 00 00	BRK # \$00
\$D17C: 00 00	BRK # \$00
\$D17E: 00 00	BRK # \$00
\$D180: 00 00	BRK # \$00
\$D182: 00 00	BRK # \$00
\$D184: 00 00	BRK # \$00
\$D186: 00 00	BRK # \$00
\$D188: 00 00	BRK # \$00
\$D18A: 00 00	BRK # \$00
\$D18C: 00 00	BRK # \$00
\$D18E: 00 00	BRK # \$00
\$D190: 00 00	BRK # \$00
\$D192: 00 00	BRK # \$00
\$D194: 00 00	BRK # \$00
\$D196: 00 00	BRK # \$00
\$D198: 00 00	BRK # \$00
\$D19A: 00 00	BRK # \$00
\$D19C: 00 00	BRK # \$00
\$D19E: 00 00	BRK # \$00
\$D1A0: 00 00	BRK # \$00
\$D1A2: 00 00	BRK # \$00
\$D1A4: 00 00	BRK # \$00

\$D1A6: 00 00	BRK # \$00
\$D1A8: 00 00	BRK # \$00
\$D1AA: 00 00	BRK # \$00
\$D1AC: 00 00	BRK # \$00
\$D1AE: 00 00	BRK # \$00
\$D1B0: 00 00	BRK # \$00
\$D1B2: 00 00	BRK # \$00
\$D1B4: 00 00	BRK # \$00
\$D1B6: 00 00	BRK # \$00
\$D1B8: 00 00	BRK # \$00
\$D1BA: 00 00	BRK # \$00
\$D1BC: 00 00	BRK # \$00
\$D1BE: 00 00	BRK # \$00
\$D1C0: 00 00	BRK # \$00
\$D1C2: 00 00	BRK # \$00
\$D1C4: 00 00	BRK # \$00
\$D1C6: 00 00	BRK # \$00
\$D1C8: 00 00	BRK # \$00
\$D1CA: 00 00	BRK # \$00
\$D1CC: 00 00	BRK # \$00
\$D1CE: 00 00	BRK # \$00
\$D1D0: 00 00	BRK # \$00
\$D1D2: 00 00	BRK # \$00
\$D1D4: 00 00	BRK # \$00
\$D1D6: 00 00	BRK # \$00

\$D1D8: 00 00	BRK #\$00
\$D1DA: 00 00	BRK #\$00
\$D1DC: 00 00	BRK #\$00
\$D1DE: 00 00	BRK #\$00
\$D1E0: 00 00	BRK #\$00
\$D1E2: 00 00	BRK #\$00
\$D1E4: 00 00	BRK #\$00
\$D1E6: 00 00	BRK #\$00
\$D1E8: 00 00	BRK #\$00
\$D1EA: 00 00	BRK #\$00
\$D1EC: 00 00	BRK #\$00
\$D1EE: 00 00	BRK #\$00
\$D1F0: 00 00	BRK #\$00
\$D1F2: 00 00	BRK #\$00
\$D1F4: 00 00	BRK #\$00
\$D1F6: 00 00	BRK #\$00
\$D1F8: 00 00	BRK #\$00
\$D1FA: 00 00	BRK #\$00
\$D1FC: 00 00	BRK #\$00
\$D1FE: 00 00	BRK #\$00
\$D200: 4F 08 01	SRE a0108
\$D203: 0F E6 E1	SLO aE1E6
\$D206: 9D ED FB	STA fFBED,X
\$D209: 19 F3 E5	ORA fE5F3,Y
\$D20C: 99 F9 FB	STA fFBF9,Y

\$D20F: 19 46 43	ORA f4346,Y
\$D212: 81 A0	STA (pA0,X)
\$D214: 13 82	SLO (p82),Y
\$D216: 16 80	ASL f80,X
\$D218: 40	RTI
\$D219: 04 80	NOP a80
\$D21B: 21 83	AND (p83,X)
\$D21D: 15 8A	ORA f8A,X
\$D21F: 36 86	ROL f86,X
\$D221: 40	RTI
\$D222: 04 8A	NOP a8A
\$D224: 21 8D	AND (p8D,X)
\$D226: 40	RTI
\$D227: 04 80	NOP a80
\$D229: 21 8D	AND (p8D,X)
\$D22B: 22	JAM
\$D22C: 86 1F	STX a1F
\$D22E: 80 40	NOP #\$40
\$D230: 04 99	NOP a99
\$D232: 40	RTI
\$D233: 04 87	NOP a87

\$D235: 13 90	SLO (p90),Y
\$D237: 40	RTI
\$D238: 04 FF	NOP aFF
\$D23A: FF FF FF	ISC fFFFF,X ;IRQ
\$D23D: E2 13	NOP #13
\$D23F: C8	INY
\$D240: 13 A7	SLO (pA7),Y
\$D242: 3F 83 20	RLA f2083,X
\$D245: 81 20	STA (p20,X)
\$D247: 83 20	SAX (p20,X)
\$D249: BB 13 87	LAS f8713,Y
\$D24C: 22	JAM
\$D24D: 85 22	STA a22
\$D24F: 00 00	BRK #00
\$D251: 00 00	BRK #00
\$D253: 00 00	BRK #00
\$D255: 00 00	BRK #00
\$D257: 00 00	BRK #00
\$D259: 00 00	BRK #00
\$D25B: 00 00	BRK #00
\$D25D: 00 00	BRK #00
\$D25F: 00 00	BRK #00
\$D261: 00 00	BRK #00
\$D263: 00 00	BRK #00

\$D265: 00 00	BRK # \$00
\$D267: 00 00	BRK # \$00
\$D269: 00 00	BRK # \$00
\$D26B: 00 00	BRK # \$00
\$D26D: 00 00	BRK # \$00
\$D26F: 00 00	BRK # \$00
\$D271: 00 00	BRK # \$00
\$D273: 00 00	BRK # \$00
\$D275: 00 00	BRK # \$00
\$D277: 00 00	BRK # \$00
\$D279: 00 00	BRK # \$00
\$D27B: 00 00	BRK # \$00
\$D27D: 00 00	BRK # \$00
\$D27F: 00 00	BRK # \$00
\$D281: 00 00	BRK # \$00
\$D283: 00 00	BRK # \$00
\$D285: 00 00	BRK # \$00
\$D287: 00 00	BRK # \$00
\$D289: 00 00	BRK # \$00
\$D28B: 00 00	BRK # \$00
\$D28D: 00 00	BRK # \$00
\$D28F: 00 00	BRK # \$00
\$D291: 00 00	BRK # \$00
\$D293: 00 00	BRK # \$00
\$D295: 00 00	BRK # \$00

\$D297: 00 00	BRK # \$00
\$D299: 00 00	BRK # \$00
\$D29B: 00 00	BRK # \$00
\$D29D: 00 00	BRK # \$00
\$D29F: 00 00	BRK # \$00
\$D2A1: 00 00	BRK # \$00
\$D2A3: 00 00	BRK # \$00
\$D2A5: 00 00	BRK # \$00
\$D2A7: 00 00	BRK # \$00
\$D2A9: 00 00	BRK # \$00
\$D2AB: 00 00	BRK # \$00
\$D2AD: 00 00	BRK # \$00
\$D2AF: 00 00	BRK # \$00
\$D2B1: 00 00	BRK # \$00
\$D2B3: 00 00	BRK # \$00
\$D2B5: 00 00	BRK # \$00
\$D2B7: 00 00	BRK # \$00
\$D2B9: 00 00	BRK # \$00
\$D2BB: 00 00	BRK # \$00
\$D2BD: 00 00	BRK # \$00
\$D2BF: 00 00	BRK # \$00
\$D2C1: 00 00	BRK # \$00
\$D2C3: 00 00	BRK # \$00
\$D2C5: 00 00	BRK # \$00
\$D2C7: 00 00	BRK # \$00

\$D2C9: 00 00	BRK # \$00
\$D2CB: 00 00	BRK # \$00
\$D2CD: 00 00	BRK # \$00
\$D2CF: 00 00	BRK # \$00
\$D2D1: 00 00	BRK # \$00
\$D2D3: 00 00	BRK # \$00
\$D2D5: 00 00	BRK # \$00
\$D2D7: 00 00	BRK # \$00
\$D2D9: 00 00	BRK # \$00
\$D2DB: 00 00	BRK # \$00
\$D2DD: 00 00	BRK # \$00
\$D2DF: 00 00	BRK # \$00
\$D2E1: 00 00	BRK # \$00
\$D2E3: 00 00	BRK # \$00
\$D2E5: 00 00	BRK # \$00
\$D2E7: 00 00	BRK # \$00
\$D2E9: 00 00	BRK # \$00
\$D2EB: 00 00	BRK # \$00
\$D2ED: 00 00	BRK # \$00
\$D2EF: 00 00	BRK # \$00
\$D2F1: 00 00	BRK # \$00
\$D2F3: 00 00	BRK # \$00
\$D2F5: 00 00	BRK # \$00
\$D2F7: 00 00	BRK # \$00
\$D2F9: 00 00	BRK # \$00



\$D2FB: 00 00	BRK #	\$00
\$D2FD: 00 00	BRK #	\$00
\$D2FF: 00 00	BRK #	\$00
\$D301: 00 00	BRK #	\$00
\$D303: 00 00	BRK #	\$00
\$D305: 00 00	BRK #	\$00
\$D307: 00 00	BRK #	\$00
\$D309: 00 00	BRK #	\$00
\$D30B: 00 00	BRK #	\$00
\$D30D: 00 00	BRK #	\$00
\$D30F: 00 00	BRK #	\$00
\$D311: 00 00	fD311 BRK #	\$00
\$D313: 00 00	BRK #	\$00
\$D315: 00 00	BRK #	\$00
\$D317: 00 00	BRK #	\$00
\$D319: 00 00	BRK #	\$00
\$D31B: 00 00	BRK #	\$00
\$D31D: 00 00	BRK #	\$00
\$D31F: 00 00	BRK #	\$00
\$D321: 00 00	BRK #	\$00
\$D323: 00 00	BRK #	\$00
\$D325: 00 00	BRK #	\$00
\$D327: 00 00	BRK #	\$00
\$D329: 00 00	BRK #	\$00
\$D32B: 00 00	BRK #	\$00

\$D32D: 00 00	BRK # \$00
\$D32F: 00 00	BRK # \$00
\$D331: 00 00	BRK # \$00
\$D333: 00 00	BRK # \$00
\$D335: 00 00	BRK # \$00
\$D337: 00 00	BRK # \$00
\$D339: 00 00	BRK # \$00
\$D33B: 00 00	BRK # \$00
\$D33D: 00 00	BRK # \$00
\$D33F: 00 00	BRK # \$00
\$D341: 00 00	BRK # \$00
\$D343: 00 00	BRK # \$00
\$D345: 00 00	BRK # \$00
\$D347: 00 00	BRK # \$00
\$D349: 00 00	BRK # \$00
\$D34B: 00 00	BRK # \$00
\$D34D: 00 00	BRK # \$00
\$D34F: 00 00	BRK # \$00
\$D351: 00 00	BRK # \$00
\$D353: 00 00	BRK # \$00
\$D355: 00 00	BRK # \$00
\$D357: 00 00	BRK # \$00
\$D359: 00 00	BRK # \$00
\$D35B: 00 00	BRK # \$00
\$D35D: 00 00	BRK # \$00

\$D35F: 00 00	BRK # \$00
\$D361: 00 00	BRK # \$00
\$D363: 00 00	BRK # \$00
\$D365: 00 00	BRK # \$00
\$D367: 00 00	BRK # \$00
\$D369: 00 00	BRK # \$00
\$D36B: 00 00	BRK # \$00
\$D36D: 00 00	BRK # \$00
\$D36F: 00 00	BRK # \$00
\$D371: 00 00	BRK # \$00
\$D373: 00 00	BRK # \$00
\$D375: 00 00	BRK # \$00
\$D377: 00 00	BRK # \$00
\$D379: 00 00	BRK # \$00
\$D37B: 00 00	BRK # \$00
\$D37D: 00 00	BRK # \$00
\$D37F: 00 00	BRK # \$00
\$D381: 00 00	BRK # \$00
\$D383: 00 00	BRK # \$00
\$D385: 00 00	BRK # \$00
\$D387: 00 00	BRK # \$00
\$D389: 00 00	BRK # \$00
\$D38B: 00 00	BRK # \$00
\$D38D: 00 00	BRK # \$00
\$D38F: 00 00	BRK # \$00

\$D391: 00 00	BRK # \$00
\$D393: 00 00	BRK # \$00
\$D395: 00 00	BRK # \$00
\$D397: 00 00	BRK # \$00
\$D399: 00 00	BRK # \$00
\$D39B: 00 00	BRK # \$00
\$D39D: 00 00	BRK # \$00
\$D39F: 00 00	BRK # \$00
\$D3A1: 00 00	BRK # \$00
\$D3A3: 00 00	BRK # \$00
\$D3A5: 00 00	BRK # \$00
\$D3A7: 00 00	BRK # \$00
\$D3A9: 00 00	BRK # \$00
\$D3AB: 00 00	BRK # \$00
\$D3AD: 00 00	BRK # \$00
\$D3AF: 00 00	BRK # \$00
\$D3B1: 00 00	BRK # \$00
\$D3B3: 00 00	BRK # \$00
\$D3B5: 00 00	BRK # \$00
\$D3B7: 00 00	BRK # \$00
\$D3B9: 00 00	BRK # \$00
\$D3BB: 00 00	BRK # \$00
\$D3BD: 00 00	BRK # \$00
\$D3BF: 00 00	BRK # \$00
\$D3C1: 00 00	BRK # \$00

\$D3C3: 00 00	BRK # \$00
\$D3C5: 00 00	BRK # \$00
\$D3C7: 00 00	BRK # \$00
\$D3C9: 00 00	BRK # \$00
\$D3CB: 00 00	BRK # \$00
\$D3CD: 00 00	BRK # \$00
\$D3CF: 00 00	BRK # \$00
\$D3D1: 00 00	BRK # \$00
\$D3D3: 00 00	BRK # \$00
\$D3D5: 00 00	BRK # \$00
\$D3D7: 00 00	BRK # \$00
\$D3D9: 00 00	BRK # \$00
\$D3DB: 00 00	BRK # \$00
\$D3DD: 00 00	BRK # \$00
\$D3DF: 00 00	BRK # \$00
\$D3E1: 00 00	BRK # \$00
\$D3E3: 00 00	BRK # \$00
\$D3E5: 00 00	BRK # \$00
\$D3E7: 00 00	BRK # \$00
\$D3E9: 00 00	BRK # \$00
\$D3EB: 00 00	BRK # \$00
\$D3ED: 00 00	BRK # \$00
\$D3EF: 00 00	BRK # \$00
\$D3F1: 00 00	BRK # \$00
\$D3F3: 00 00	BRK # \$00

\$D3F5: 00 00	BRK # \$00
\$D3F7: 00 00	BRK # \$00
\$D3F9: 00 00	BRK # \$00
\$D3FB: 00 00	BRK # \$00
\$D3FD: 00 00	BRK # \$00
\$D3FF: 00 80	BRK # \$80
\$D401: 00 16	BRK # \$16
\$D403: 3E F4 E3	ROL fE3F4,X
\$D406: FB E5 FB	ISC fFB E5,Y
\$D409: E7 F2	ISC aF2
\$D40B: E7 FD	ISC aFD
\$D40D: EA	NOP
\$D40E: F8	SED
\$D40F: EB F6	SBC # \$F6
\$D411: EE F0 EE	INC aEEF0
\$D414: E6 EE	INC aEE
\$D416: C0 F7	CPY # \$F7
\$D418: F0 FD	BEQ \$D417 ;Filter Resonance Control / Voice Input Control
\$D41A: F1 EC	SBC (pEC),Y
\$D41C: F1 E8	SBC (pE8),Y
\$D41E: F2	JAM
aD421	=*+\$02
\$D41F: FB F4 F9	ISC ff9F4,Y
aD423	=*+\$01
\$D422: F5 EA	aD422 SBC fEA,X

\$D424: F5 E5	SBC fE5,X
\$D426: F6 EF	INC fEF,X
\$D428: F7 FD	ISC fFD,X
\$D42A: F7 F6	ISC ff6,X
\$D42C: F8	SED
\$D42D: EA	NOP
\$D42E: F9 EC FA	SBC fFAEC,Y
\$D431: F7 FA	ISC fFA,X
\$D433: F3 FD	ISC (pFD),Y
\$D435: E8	INX
\$D436: FE FF FC	INC fFCFF,X
\$D439: C2 FE	NOP # \$FE
\$D43B: FF 00 5C	ISC f5C00,X
\$D43E: 5D 81 9F	EOR f9F81,X
\$D441: 9E BE 1F	STX a1FBE,Y
\$D444: A4 3F	LDY a3F
\$D446: 87 13	SAX a13
\$D448: 81 20	STA (p20,X)
\$D44A: 84 20	STY a20
\$D44C: C4 21	CPY a21
\$D44E: BA	TSX
\$D44F: 13 82	SLO (p82),Y
\$D451: 21 B2	AND (pB2,X)
\$D453: 13 81	SLO (p81),Y
\$D455: 20 FD 14	JSR s14FD

\$D458: A3 20	LAX (p20,X)
\$D45A: 93 13	AHX (p13),Y
\$D45C: B6 20	LDX f20,Y
\$D45E: 89 20	NOP # \$20
\$D460: B9 14 87	LDA f8714,Y
\$D463: 13 81	SLO (p81),Y
\$D465: 21 8D	AND (p8D,X)
\$D467: 20 95 21	JSR s2195
\$D46A: 8E 20 D6	STX aD620
\$D46D: 13 92	SLO (p92),Y
\$D46F: 21 B4	AND (pB4,X)
\$D471: 21 94	AND (p94,X)
\$D473: 21 83	AND (p83,X)
\$D475: 13 C9	SLO (pC9),Y
\$D477: 13 80	SLO (p80),Y
\$D479: 22	JAM
\$D47A: 91 21	STA (p21),Y
\$D47C: 95 1F	STA f1F,X
\$D47E: 9C 36 00	SHY f0036,X
\$D481: 00 00	BRK # \$00
\$D483: 00 00	BRK # \$00
\$D485: 00 00	BRK # \$00
\$D487: 00 00	BRK # \$00
\$D489: 00 00	BRK # \$00
\$D48B: 00 00	BRK # \$00



\$D48D: 00 00	BRK # \$00
\$D48F: 00 00	BRK # \$00
\$D491: 00 00	BRK # \$00
\$D493: 00 00	BRK # \$00
\$D495: 00 00	BRK # \$00
\$D497: 00 00	BRK # \$00
\$D499: 00 00	BRK # \$00
\$D49B: 00 00	BRK # \$00
\$D49D: 00 00	BRK # \$00
\$D49F: 00 00	BRK # \$00
\$D4A1: 00 00	BRK # \$00
\$D4A3: 00 00	BRK # \$00
\$D4A5: 00 00	BRK # \$00
\$D4A7: 00 00	BRK # \$00
\$D4A9: 00 00	BRK # \$00
\$D4AB: 00 00	BRK # \$00
\$D4AD: 00 00	BRK # \$00
\$D4AF: 00 00	BRK # \$00
\$D4B1: 00 00	BRK # \$00
\$D4B3: 00 00	BRK # \$00
\$D4B5: 00 00	BRK # \$00
\$D4B7: 00 00	BRK # \$00
\$D4B9: 00 00	BRK # \$00
\$D4BB: 00 00	BRK # \$00
\$D4BD: 00 00	BRK # \$00

\$D4BF: 00 00	BRK # \$00
\$D4C1: 00 00	BRK # \$00
\$D4C3: 00 00	BRK # \$00
\$D4C5: 00 00	BRK # \$00
\$D4C7: 00 00	BRK # \$00
\$D4C9: 00 00	BRK # \$00
\$D4CB: 00 00	BRK # \$00
\$D4CD: 00 00	BRK # \$00
\$D4CF: 00 00	BRK # \$00
\$D4D1: 00 00	BRK # \$00
\$D4D3: 00 00	BRK # \$00
\$D4D5: 00 00	BRK # \$00
\$D4D7: 00 00	BRK # \$00
\$D4D9: 00 00	BRK # \$00
\$D4DB: 00 00	BRK # \$00
\$D4DD: 00 00	BRK # \$00
\$D4DF: 00 00	BRK # \$00
\$D4E1: 00 00	BRK # \$00
\$D4E3: 00 00	BRK # \$00
\$D4E5: 00 00	BRK # \$00
\$D4E7: 00 00	BRK # \$00
\$D4E9: 00 00	BRK # \$00
\$D4EB: 00 00	BRK # \$00
\$D4ED: 00 00	BRK # \$00
\$D4EF: 00 00	BRK # \$00

\$D4F1: 00 00	BRK # \$00
\$D4F3: 00 00	BRK # \$00
\$D4F5: 00 00	BRK # \$00
\$D4F7: 00 00	BRK # \$00
\$D4F9: 00 00	BRK # \$00
\$D4FB: 00 00	BRK # \$00
\$D4FD: 00 00	BRK # \$00
\$D4FF: 00 00	BRK # \$00
\$D501: 00 00	BRK # \$00
\$D503: 00 00	BRK # \$00
\$D505: 00 00	BRK # \$00
\$D507: 00 00	BRK # \$00
\$D509: 00 00	BRK # \$00
\$D50B: 00 00	BRK # \$00
\$D50D: 00 00	BRK # \$00
\$D50F: 00 00	BRK # \$00
\$D511: 00 00	BRK # \$00
\$D513: 00 00	BRK # \$00
\$D515: 00 00	BRK # \$00
\$D517: 00 00	BRK # \$00
\$D519: 00 00	BRK # \$00
\$D51B: 00 00	BRK # \$00
\$D51D: 00 00	BRK # \$00
\$D51F: 00 00	BRK # \$00
\$D521: 00 00	BRK # \$00

\$D523: 00 00	BRK # \$00
\$D525: 00 00	BRK # \$00
\$D527: 00 00	BRK # \$00
\$D529: 00 00	BRK # \$00
\$D52B: 00 00	BRK # \$00
\$D52D: 00 00	BRK # \$00
\$D52F: 00 00	BRK # \$00
\$D531: 00 00	BRK # \$00
\$D533: 00 00	BRK # \$00
\$D535: 00 00	BRK # \$00
\$D537: 00 00	BRK # \$00
\$D539: 00 00	BRK # \$00
\$D53B: 00 00	BRK # \$00
\$D53D: 00 00	BRK # \$00
\$D53F: 00 00	BRK # \$00
\$D541: 00 00	BRK # \$00
\$D543: 00 00	BRK # \$00
\$D545: 00 00	BRK # \$00
\$D547: 00 00	BRK # \$00
\$D549: 00 00	BRK # \$00
\$D54B: 00 00	BRK # \$00
\$D54D: 00 00	BRK # \$00
\$D54F: 00 00	BRK # \$00
\$D551: 00 00	BRK # \$00
\$D553: 00 00	BRK # \$00

\$D555: 00 00 BRK # \$00

\$D557: 00 00 BRK # \$00

\$D559: 00 00 BRK # \$00

fD55C =\*+\$01

\$D55B: 00 00 BRK # \$00

\$D55D: 00 00 BRK # \$00

\$D55F: 00 00 BRK # \$00

\$D561: 00 00 BRK # \$00

\$D563: 00 00 BRK # \$00

\$D565: 00 00 BRK # \$00

\$D567: 00 00 BRK # \$00

\$D569: 00 00 BRK # \$00

\$D56B: 00 00 BRK # \$00

\$D56D: 00 00 BRK # \$00

\$D56F: 00 00 BRK # \$00

\$D571: 00 00 BRK # \$00

\$D573: 00 00 BRK # \$00

\$D575: 00 00 BRK # \$00

\$D577: 00 00 BRK # \$00

\$D579: 00 00 BRK # \$00

\$D57B: 00 00 BRK # \$00

\$D57D: 00 00 BRK # \$00

\$D57F: 00 00 BRK # \$00

\$D581: 00 00 BRK # \$00

\$D583: 00 00 BRK # \$00

\$D585: 00 00	BRK # \$00
\$D587: 00 00	BRK # \$00
\$D589: 00 00	BRK # \$00
\$D58B: 00 00	BRK # \$00
\$D58D: 00 00	BRK # \$00
\$D58F: 00 00	BRK # \$00
\$D591: 00 00	BRK # \$00
\$D593: 00 00	BRK # \$00
\$D595: 00 00	BRK # \$00
\$D597: 00 00	BRK # \$00
\$D599: 00 00	BRK # \$00
\$D59B: 00 00	BRK # \$00

bD59E =\*+\$01

\$D59D: 00 00	BRK # \$00
\$D59F: 00 00	BRK # \$00
\$D5A1: 00 00	BRK # \$00
\$D5A3: 00 00	BRK # \$00
\$D5A5: 00 00	BRK # \$00
\$D5A7: 00 00	BRK # \$00
\$D5A9: 00 00	BRK # \$00
\$D5AB: 00 00	BRK # \$00
\$D5AD: 00 00	BRK # \$00
\$D5AF: 00 00	BRK # \$00
\$D5B1: 00 00	BRK # \$00
\$D5B3: 00 00	BRK # \$00

\$D5B5: 00 00	BRK # \$00
\$D5B7: 00 00	BRK # \$00
\$D5B9: 00 00	BRK # \$00
\$D5BB: 00 00	BRK # \$00
\$D5BD: 00 00	BRK # \$00
\$D5BF: 00 00	BRK # \$00
\$D5C1: 00 00	BRK # \$00
\$D5C3: 00 00	BRK # \$00
\$D5C5: 00 00	BRK # \$00
\$D5C7: 00 00	BRK # \$00
\$D5C9: 00 00	BRK # \$00
\$D5CB: 00 00	BRK # \$00
\$D5CD: 00 00	BRK # \$00

fD5D0 =\*+\$01

\$D5CF: 00 00	BRK # \$00
\$D5D1: 00 00	BRK # \$00
\$D5D3: 00 00	BRK # \$00
\$D5D5: 00 00	BRK # \$00
\$D5D7: 00 00	BRK # \$00
\$D5D9: 00 00	BRK # \$00
\$D5DB: 00 00	BRK # \$00
\$D5DD: 00 00	BRK # \$00
\$D5DF: 00 00	BRK # \$00
\$D5E1: 00 00	BRK # \$00
\$D5E3: 00 00	BRK # \$00

\$D5E5: 00 00	BRK # \$00
\$D5E7: 00 00	BRK # \$00
\$D5E9: 00 00	BRK # \$00
\$D5EB: 00 00	BRK # \$00
\$D5ED: 00 00	BRK # \$00
\$D5EF: 00 00	BRK # \$00
\$D5F1: 00 00	fD5F1 BRK # \$00
\$D5F3: 00 00	BRK # \$00
\$D5F5: 00 00	fD5F5 BRK # \$00
\$D5F7: 00 00	BRK # \$00
\$D5F9: 00 00	BRK # \$00
\$D5FB: 00 00	BRK # \$00
\$D5FD: 00 00	BRK # \$00
\$D5FF: 00 8B	BRK # \$8B
\$D601: 18	CLC
\$D602: 29 15	AND # \$15
\$D604: FD E3 99	SBC f99E3,X
\$D607: D9 19 56	CMP f5619,Y
\$D60A: 96 D3	STX fD3,Y
\$D60C: 12	JAM
\$D60D: 50 8F	BVC bD59E
\$D60F: CC 0C 48	CPY a480C
\$D612: 87 53	SAX a53
\$D614: 53 82	SRE (p82),Y
\$D616: FE F0 40	INC f40F0,X



\$D619: AA	TAX
\$D61A: 21 13	AND (p13,X)
\$D61C: 89 13	NOP # \$13
aD620	=*+\$02
\$D61E: 8D 20 13	STA a1320
\$D621: 89 22	NOP # \$22
\$D623: 83 14	SAX (p14,X)
\$D625: A9 13	LDA # \$13
\$D627: 90 22	BCC bD64B
\$D629: 8C 25 88	STY a8825
\$D62C: 14 87	NOP f87,X
\$D62E: 22	JAM
\$D62F: 9F 22 86	AHX f8622,Y
\$D632: 14 13	NOP f13,X
\$D634: 84 13	STY a13
\$D636: 91 13	STA (p13),Y
\$D638: 00 8A	BRK # \$8A
\$D63A: 25 BA	AND aBA
\$D63C: 25 81	AND a81
\$D63E: 25 98	AND a98
\$D640: 22	JAM
\$D641: 8B 1F	XAA # \$1F
\$D643: 85 16	STA a16
\$D645: 80 23	NOP # \$23
\$D647: 8F 25 9A	SAX a9A25

bD64B =\*+\$01

\$D64A: 13 00	SLO (p00),Y
\$D64C: 83 14	SAX (p14,X)
\$D64E: 9E 24 96	STX f9624,Y
\$D651: 21 A1	AND (pA1,X)
\$D653: 25 8C	AND a8C
\$D655: 3F AD 38	RLA f38AD,X
\$D658: 9D 21 94	STA f9421,X
\$D65B: 48	PHA
\$D65C: 9E 48 9E	STX f9E48,Y
\$D65F: 48	PHA
\$D660: 82 22	NOP #22
\$D662: 82 23	NOP #23
\$D664: 8D 48 83	STA b8348
\$D667: 48	PHA
\$D668: 82 48	NOP #48
\$D66A: 82 13	NOP #13
\$D66C: 85 13	STA a13
\$D66E: 9E 21 89	STX f8921,Y
\$D671: 21 8F	AND (p8F,X)
\$D673: 23 9E	RLA (p9E,X)
\$D675: 13 A9	SLO (pA9),Y
\$D677: 13 24	SLO (p24),Y
\$D679: 87 13	SAX a13
\$D67B: 24 8E	BIT a8E

\$D67D: 25 BB	AND aBB
\$D67F: 13 00	SLO (p00),Y
\$D681: 8C 20 8C	STY a8C20
\$D684: 22	JAM
\$D685: 84 36	STY a36
\$D687: 82 25	NOP # \$25
\$D689: 8F 21 00	SAX a0021
\$D68C: 00 00	BRK # \$00
\$D68E: 00 00	BRK # \$00
\$D690: 00 00	BRK # \$00
\$D692: 00 00	BRK # \$00
\$D694: 00 00	BRK # \$00
\$D696: 00 00	BRK # \$00
\$D698: 00 00	BRK # \$00
\$D69A: 00 00	BRK # \$00
\$D69C: 00 00	BRK # \$00
\$D69E: 00 00	BRK # \$00
\$D6A0: 00 00	BRK # \$00
\$D6A2: 00 00	BRK # \$00
\$D6A4: 00 00	BRK # \$00
\$D6A6: 00 00	BRK # \$00
\$D6A8: 00 00	BRK # \$00
\$D6AA: 00 00	BRK # \$00
\$D6AC: 00 00	BRK # \$00
\$D6AE: 00 00	BRK # \$00

\$D6B0: 00 00	BRK # \$00
\$D6B2: 00 00	BRK # \$00
\$D6B4: 00 00	BRK # \$00
\$D6B6: 00 00	BRK # \$00
\$D6B8: 00 00	BRK # \$00
\$D6BA: 00 00	BRK # \$00
\$D6BC: 00 00	BRK # \$00
\$D6BE: 00 00	BRK # \$00
\$D6C0: 00 00	BRK # \$00
\$D6C2: 00 00	BRK # \$00
\$D6C4: 00 00	BRK # \$00
\$D6C6: 00 00	BRK # \$00
\$D6C8: 00 00	BRK # \$00
\$D6CA: 00 00	BRK # \$00
\$D6CC: 00 00	BRK # \$00
\$D6CE: 00 00	BRK # \$00
\$D6D0: 00 00	BRK # \$00
\$D6D2: 00 00	BRK # \$00
\$D6D4: 00 00	BRK # \$00
\$D6D6: 00 00	BRK # \$00
\$D6D8: 00 00	BRK # \$00
\$D6DA: 00 00	BRK # \$00
\$D6DC: 00 00	BRK # \$00
\$D6DE: 00 00	BRK # \$00
\$D6E0: 00 00	BRK # \$00

\$D6E2: 00 00	BRK # \$00
\$D6E4: 00 00	BRK # \$00
\$D6E6: 00 00	BRK # \$00
\$D6E8: 00 00	BRK # \$00
\$D6EA: 00 00	BRK # \$00
\$D6EC: 00 00	BRK # \$00
\$D6EE: 00 00	BRK # \$00
\$D6F0: 00 00	BRK # \$00
\$D6F2: 00 00	BRK # \$00
\$D6F4: 00 00	BRK # \$00
\$D6F6: 00 00	BRK # \$00
\$D6F8: 00 00	BRK # \$00
\$D6FA: 00 00	BRK # \$00
\$D6FC: 00 00	BRK # \$00
\$D6FE: 00 00	fD6FE BRK # \$00
\$D700: 00 00	BRK # \$00
\$D702: 00 00	BRK # \$00
\$D704: 00 00	BRK # \$00
\$D706: 00 00	BRK # \$00
\$D708: 00 00	BRK # \$00
\$D70A: 00 00	BRK # \$00
\$D70C: 00 00	BRK # \$00
\$D70E: 00 00	BRK # \$00
\$D710: 00 00	BRK # \$00
\$D712: 00 00	BRK # \$00

\$D714: 00 00	BRK # \$00
\$D716: 00 00	BRK # \$00
\$D718: 00 00	BRK # \$00
\$D71A: 00 00	BRK # \$00
\$D71C: 00 00	BRK # \$00
\$D71E: 00 00	BRK # \$00
\$D720: 00 00	BRK # \$00
\$D722: 00 00	BRK # \$00
\$D724: 00 00	BRK # \$00
\$D726: 00 00	BRK # \$00
\$D728: 00 00	BRK # \$00
\$D72A: 00 00	BRK # \$00
\$D72C: 00 00	BRK # \$00
\$D72E: 00 00	BRK # \$00
\$D730: 00 00	BRK # \$00
\$D732: 00 00	BRK # \$00
\$D734: 00 00	BRK # \$00
\$D736: 00 00	BRK # \$00
\$D738: 00 00	BRK # \$00
\$D73A: 00 00	BRK # \$00
\$D73C: 00 00	BRK # \$00
\$D73E: 00 00	BRK # \$00
\$D740: 00 00	BRK # \$00
\$D742: 00 00	BRK # \$00
\$D744: 00 00	BRK # \$00

\$D746: 00 00	BRK # \$00
\$D748: 00 00	BRK # \$00
\$D74A: 00 00	BRK # \$00
\$D74C: 00 00	BRK # \$00
\$D74E: 00 00	BRK # \$00
\$D750: 00 00	BRK # \$00
\$D752: 00 00	BRK # \$00
\$D754: 00 00	BRK # \$00
\$D756: 00 00	BRK # \$00
\$D758: 00 00	BRK # \$00
\$D75A: 00 00	BRK # \$00
\$D75C: 00 00	BRK # \$00

fD75F =\*+\$01

\$D75E: 00 00	BRK # \$00
\$D760: 00 00	BRK # \$00
\$D762: 00 00	BRK # \$00
\$D764: 00 00	BRK # \$00
\$D766: 00 00	BRK # \$00
\$D768: 00 00	BRK # \$00
\$D76A: 00 00	BRK # \$00
\$D76C: 00 00	BRK # \$00
\$D76E: 00 00	BRK # \$00
\$D770: 00 00	BRK # \$00
\$D772: 00 00	BRK # \$00
\$D774: 00 00	BRK # \$00

\$D776: 00 00	BRK # \$00
\$D778: 00 00	BRK # \$00
\$D77A: 00 00	BRK # \$00
\$D77C: 00 00	BRK # \$00
\$D77E: 00 00	BRK # \$00
\$D780: 00 00	BRK # \$00
\$D782: 00 00	BRK # \$00
\$D784: 00 00	BRK # \$00
\$D786: 00 00	BRK # \$00
\$D788: 00 00	BRK # \$00
\$D78A: 00 00	BRK # \$00
\$D78C: 00 00	BRK # \$00
\$D78E: 00 00	BRK # \$00
\$D790: 00 00	BRK # \$00
\$D792: 00 00	BRK # \$00
\$D794: 00 00	BRK # \$00
\$D796: 00 00	BRK # \$00
\$D798: 00 00	BRK # \$00
\$D79A: 00 00	BRK # \$00
\$D79C: 00 00	BRK # \$00
\$D79E: 00 00	BRK # \$00
\$D7A0: 00 00	BRK # \$00
\$D7A2: 00 00	BRK # \$00
\$D7A4: 00 00	BRK # \$00
\$D7A6: 00 00	BRK # \$00



\$D7A8: 00 00	BRK # \$00
\$D7AA: 00 00	BRK # \$00
\$D7AC: 00 00	BRK # \$00
\$D7AE: 00 00	BRK # \$00
\$D7B0: 00 00	BRK # \$00
\$D7B2: 00 00	BRK # \$00
\$D7B4: 00 00	BRK # \$00
\$D7B6: 00 00	BRK # \$00
\$D7B8: 00 00	BRK # \$00
\$D7BA: 00 00	BRK # \$00
\$D7BC: 00 00	BRK # \$00
\$D7BE: 00 00	BRK # \$00
\$D7C0: 00 00	BRK # \$00
\$D7C2: 00 00	BRK # \$00
\$D7C4: 00 00	BRK # \$00
\$D7C6: 00 00	BRK # \$00
\$D7C8: 00 00	BRK # \$00
\$D7CA: 00 00	BRK # \$00
\$D7CC: 00 00	BRK # \$00
\$D7CE: 00 00	BRK # \$00
\$D7D0: 00 00	BRK # \$00
\$D7D2: 00 00	BRK # \$00
\$D7D4: 00 00	BRK # \$00
\$D7D6: 00 00	BRK # \$00

bD7D9 =\*+\$01

\$D7D8: 00 00 BRK # \$00  
\$D7DA: 00 00 bD7DA BRK # \$00  
\$D7DC: 00 00 bD7DC BRK # \$00  
\$D7DE: 00 00 BRK # \$00  
bD7E1 =\*+\$01  
\$D7E0: 00 00 BRK # \$00  
bD7E3 =\*+\$01  
\$D7E2: 00 00 bD7E2 BRK # \$00  
bD7E5 =\*+\$01  
\$D7E4: 00 00 BRK # \$00  
bD7E7 =\*+\$01  
\$D7E6: 00 00 BRK # \$00  
\$D7E8: 00 00 BRK # \$00  
\$D7EA: 00 00 BRK # \$00  
bD7ED =\*+\$01  
\$D7EC: 00 00 BRK # \$00  
bD7EF =\*+\$01  
\$D7EE: 00 00 BRK # \$00  
\$D7F0: 00 00 BRK # \$00  
\$D7F2: 00 00 BRK # \$00  
\$D7F4: 00 00 fD7F4 BRK # \$00  
\$D7F6: 00 00 BRK # \$00  
\$D7F8: 00 00 BRK # \$00  
bD7FB =\*+\$01  
\$D7FA: 00 00 BRK # \$00

\$D7FC: 00 00 bD7FC BRK # \$00

bD7FF =\*+\$01

\$D7FE: 00 00 BRK # \$00

\$D800: 6A fD800 ROR

\$D801: 00 06 BRK # \$06

\$D803: 17 EE fD803 SLO fEE,X

\$D805: FC C9 18 NOP f18C9,X

\$D808: 57 98 SRE f98,X

\$D80A: C9 F8 CMP # \$F8

\$D80C: E9 8E SBC # \$8E

\$D80E: D0 10 BNE bD820

\$D810: 4F EB F2 SRE aF2EB

\$D813: 07 46 SLO a46

\$D815: 62 JAM

\$D816: 87 C7 SAX aC7

\$D818: F0 E2 BEQ bD7FC

\$D81A: 00 A0 BRK # \$A0

\$D81C: 26 01 ROL a01

\$D81E: 8A TXA

bD820 =\*+\$01

\$D81F: 13 80 SLO (p80),Y

\$D821: 13 8A SLO (p8A),Y

\$D823: 26 01 ROL a01

\$D825: 8E 15 80 STX a8015

\$D828: 15 B1 ORA fB1,X

fD82B =\*+\$01

\$D82A: 13 96 SLO (p96),Y  
\$D82C: 13 93 SLO (p93),Y  
\$D82E: 27 D5 RLA aD5  
\$D830: 26 8E ROL a8E  
\$D832: 15 BF ORA fBF,X  
\$D834: 50 AB BVC bD7E1  
\$D836: 50 AA BVC bD7E2  
\$D838: 27 87 RLA a87  
\$D83A: 50 B3 BVC bD7EF  
\$D83C: 36 8F ROL f8F,X  
\$D83E: 50 01 BVC bD841

bD841 =\*+\$01

\$D840: 80 50 NOP #50  
\$D842: 93 50 AHX (p50),Y  
\$D844: 81 50 STA (p50,X)  
\$D846: 01 FF ORA (pFF,X)  
\$D848: C7 26 DCP a26  
\$D84A: 8D 26 AC STA aAC26  
\$D84D: 50 94 BVC bD7E3  
\$D84F: 50 88 BVC bD7D9  
\$D851: 50 94 BVC bD7E7  
\$D853: 50 85 fD853 BVC bD7DA  
\$D855: 26 81 ROL a81  
\$D857: 50 94 BVC bD7ED

\$D859: 50 81	BVC bD7DC
\$D85B: 26 A1	ROL aA1
\$D85D: 50 9C	BVC bD7FB
\$D85F: 50 80	BVC bD7E1
\$D861: 50 9C	BVC bD7FF
\$D863: 50 80	BVC bD7E5
\$D865: 50 8D	BVC fD7F4
\$D867: 3F 8D 50	RLA f508D,X
\$D86A: 00 00	BRK # \$00
\$D86C: 00 00	BRK # \$00
\$D86E: 00 00	BRK # \$00
\$D870: 00 00	BRK # \$00
\$D872: 00 00	BRK # \$00
\$D874: 00 00	BRK # \$00
\$D876: 00 00	BRK # \$00
\$D878: 00 00	fD878 BRK # \$00
fD87B	=*+\$01
\$D87A: 00 00	BRK # \$00
\$D87C: 00 00	BRK # \$00
\$D87E: 00 00	BRK # \$00
\$D880: 00 00	BRK # \$00
\$D882: 00 00	BRK # \$00
\$D884: 00 00	BRK # \$00
\$D886: 00 00	BRK # \$00
\$D888: 00 00	BRK # \$00

\$D88A: 00 00	BRK # \$00
\$D88C: 00 00	BRK # \$00
\$D88E: 00 00	BRK # \$00
\$D890: 00 00	BRK # \$00
\$D892: 00 00	BRK # \$00
\$D894: 00 00	BRK # \$00
\$D896: 00 00	BRK # \$00
\$D898: 00 00	BRK # \$00
\$D89A: 00 00	BRK # \$00
\$D89C: 00 00	BRK # \$00
\$D89E: 00 00	BRK # \$00
\$D8A0: 00 00	BRK # \$00

fD8A3 =\*+\$01

\$D8A2: 00 00	BRK # \$00
\$D8A4: 00 00	BRK # \$00
\$D8A6: 00 00	BRK # \$00
\$D8A8: 00 00	BRK # \$00
\$D8AA: 00 00	BRK # \$00
\$D8AC: 00 00	BRK # \$00
\$D8AE: 00 00	BRK # \$00
\$D8B0: 00 00	BRK # \$00
\$D8B2: 00 00	BRK # \$00
\$D8B4: 00 00	BRK # \$00
\$D8B6: 00 00	BRK # \$00
\$D8B8: 00 00	BRK # \$00

\$D8BA: 00 00 BRK # \$00

\$D8BC: 00 00 BRK # \$00

\$D8BE: 00 00 BRK # \$00

\$D8C0: 00 00 BRK # \$00

\$D8C2: 00 00 BRK # \$00

\$D8C4: 00 00 BRK # \$00

\$D8C6: 00 00 BRK # \$00

\$D8C8: 00 00 BRK # \$00

fD8CB =\*+ \$01

\$D8CA: 00 00 BRK # \$00

\$D8CC: 00 00 BRK # \$00

\$D8CE: 00 00 BRK # \$00

\$D8D0: 00 00 BRK # \$00

\$D8D2: 00 00 BRK # \$00

\$D8D4: 00 00 BRK # \$00

\$D8D6: 00 00 BRK # \$00

\$D8D8: 00 00 BRK # \$00

\$D8DA: 00 00 BRK # \$00

\$D8DC: 00 00 BRK # \$00

\$D8DE: 00 00 BRK # \$00

\$D8E0: 00 00 BRK # \$00

\$D8E2: 00 00 BRK # \$00

\$D8E4: 00 00 BRK # \$00

\$D8E6: 00 00 BRK # \$00

\$D8E8: 00 00 BRK # \$00

\$D8EA: 00 00 fD8EA BRK # \$00

\$D8EC: 00 00 BRK # \$00

\$D8EE: 00 00 BRK # \$00

\$D8F0: 00 00 BRK # \$00

fD8F3 =\*+ \$01

\$D8F2: 00 00 BRK # \$00

\$D8F4: 00 00 BRK # \$00

\$D8F6: 00 00 BRK # \$00

\$D8F8: 00 00 BRK # \$00

\$D8FA: 00 00 BRK # \$00

\$D8FC: 00 00 BRK # \$00

\$D8FE: 00 00 BRK # \$00

\$D900: 00 00 fD900 BRK # \$00

\$D902: 00 00 BRK # \$00

\$D904: 00 00 BRK # \$00

\$D906: 00 00 BRK # \$00

\$D908: 00 00 BRK # \$00

\$D90A: 00 00 BRK # \$00

\$D90C: 00 00 BRK # \$00

\$D90E: 00 00 BRK # \$00

\$D910: 00 00 BRK # \$00

\$D912: 00 00 BRK # \$00

\$D914: 00 00 BRK # \$00

\$D916: 00 00 BRK # \$00

\$D918: 00 00 BRK # \$00



fD91B =\*+\$01

\$D91A: 00 00 BRK # \$00

\$D91C: 00 00 BRK # \$00

\$D91E: 00 00 BRK # \$00

\$D920: 00 00 BRK # \$00

\$D922: 00 00 BRK # \$00

\$D924: 00 00 BRK # \$00

\$D926: 00 00 BRK # \$00

\$D928: 00 00 BRK # \$00

\$D92A: 00 00 BRK # \$00

\$D92C: 00 00 BRK # \$00

\$D92E: 00 00 BRK # \$00

\$D930: 00 00 BRK # \$00

\$D932: 00 00 BRK # \$00

\$D934: 00 00 BRK # \$00

\$D936: 00 00 BRK # \$00

\$D938: 00 00 BRK # \$00

\$D93A: 00 00 BRK # \$00

\$D93C: 00 00 BRK # \$00

\$D93E: 00 00 BRK # \$00

\$D940: 00 00 BRK # \$00

fD943 =\*+\$01

\$D942: 00 00 BRK # \$00

\$D944: 00 00 BRK # \$00

\$D946: 00 00 BRK # \$00

\$D948: 00 00 BRK # \$00  
\$D94A: 00 00 BRK # \$00  
\$D94C: 00 00 BRK # \$00  
\$D94E: 00 00 BRK # \$00  
\$D950: 00 00 BRK # \$00  
\$D952: 00 00 BRK # \$00  
\$D954: 00 00 BRK # \$00  
\$D956: 00 00 BRK # \$00  
\$D958: 00 00 BRK # \$00  
\$D95A: 00 00 BRK # \$00  
\$D95C: 00 00 BRK # \$00  
\$D95E: 00 00 BRK # \$00  
\$D960: 00 00 BRK # \$00  
\$D962: 00 00 BRK # \$00  
\$D964: 00 00 BRK # \$00  
\$D966: 00 00 BRK # \$00  
\$D968: 00 00 BRK # \$00

fD96B =\*+ \$01

\$D96A: 00 00 BRK # \$00  
\$D96C: 00 00 BRK # \$00  
\$D96E: 00 00 BRK # \$00  
\$D970: 00 00 BRK # \$00  
\$D972: 00 00 BRK # \$00  
\$D974: 00 00 BRK # \$00  
\$D976: 00 00 BRK # \$00

\$D978: 00 00	BRK # \$00
\$D97A: 00 00	BRK # \$00
\$D97C: 00 00	BRK # \$00
\$D97E: 00 00	BRK # \$00
\$D980: 00 00	BRK # \$00
\$D982: 00 00	BRK # \$00
\$D984: 00 00	BRK # \$00
\$D986: 00 00	BRK # \$00
\$D988: 00 00	BRK # \$00
\$D98A: 00 00	BRK # \$00
\$D98C: 00 00	BRK # \$00
\$D98E: 00 00	BRK # \$00
\$D990: 00 00	BRK # \$00

fD993 =\*+\$01

\$D992: 00 00	BRK # \$00
\$D994: 00 00	BRK # \$00
\$D996: 00 00	BRK # \$00
\$D998: 00 00	BRK # \$00
\$D99A: 00 00	BRK # \$00
\$D99C: 00 00	BRK # \$00
\$D99E: 00 00	BRK # \$00
\$D9A0: 00 00	BRK # \$00
\$D9A2: 00 00	BRK # \$00
\$D9A4: 00 00	BRK # \$00
\$D9A6: 00 00	BRK # \$00

\$D9A8: 00 00 BRK # \$00  
\$D9AA: 00 00 BRK # \$00  
\$D9AC: 00 00 BRK # \$00  
\$D9AE: 00 00 BRK # \$00  
\$D9B0: 00 00 BRK # \$00  
\$D9B2: 00 00 BRK # \$00  
\$D9B4: 00 00 BRK # \$00  
\$D9B6: 00 00 BRK # \$00  
\$D9B8: 00 00 BRK # \$00

fD9BB =\*+\$01

\$D9BA: 00 00 BRK # \$00  
\$D9BC: 00 00 BRK # \$00  
\$D9BE: 00 00 BRK # \$00  
\$D9C0: 00 00 BRK # \$00  
\$D9C2: 00 00 BRK # \$00  
\$D9C4: 00 00 BRK # \$00  
\$D9C6: 00 00 BRK # \$00  
\$D9C8: 00 00 BRK # \$00  
\$D9CA: 00 00 BRK # \$00  
\$D9CC: 00 00 BRK # \$00  
\$D9CE: 00 00 BRK # \$00  
\$D9D0: 00 00 BRK # \$00  
\$D9D2: 00 00 BRK # \$00  
\$D9D4: 00 00 BRK # \$00  
\$D9D6: 00 00 BRK # \$00

\$D9D8: 00 00 BRK # \$00

\$D9DA: 00 00 BRK # \$00

\$D9DC: 00 00 BRK # \$00

\$D9DE: 00 00 BRK # \$00

\$D9E0: 00 00 BRK # \$00

fD9E3 =\*+\$01

\$D9E2: 00 00 BRK # \$00

\$D9E4: 00 00 BRK # \$00

\$D9E6: 00 00 BRK # \$00

\$D9E8: 00 00 BRK # \$00

\$D9EA: 00 00 BRK # \$00

\$D9EC: 00 00 BRK # \$00

\$D9EE: 00 00 BRK # \$00

\$D9F0: 00 00 BRK # \$00

\$D9F2: 00 00 BRK # \$00

\$D9F4: 00 00 BRK # \$00

\$D9F6: 00 00 BRK # \$00

\$D9F8: 00 00 BRK # \$00

\$D9FA: 00 00 BRK # \$00

\$D9FC: 00 00 BRK # \$00

\$D9FE: 00 00 BRK # \$00

\$DA00: 87 08 fDA00 SAX a08

\$DA02: 16 36 ASL f36,X

\$DA04: F6 FF INC fFF,X

\$DA06: 05 45 ORA a45

\$DA08: FF FC C4      ISC fC4FC,X  
\$DA0B: FF F6 C3    fDA0B    ISC fC3F6,X  
\$DA0E: FF E8 C4      ISC fC4E8,X  
\$DA11: F7 E5        ISC fE5,X  
\$DA13: 03 E8        SLO (pE8,X)  
\$DA15: E1 84        SBC (p84,X)  
\$DA17: E5 E9        SBC aE9  
\$DA19: C3 E1        DCP (pE1,X)  
\$DA1B: F7 44        ISC f44,X  
\$DA1D: E9 FA        SBC #FA  
\$DA1F: 84 ED        STY aED  
\$DA21: FC 08 C8      NOP fC808,X  
\$DA24: E4 ED        CPX aED  
\$DA26: 48            PHA  
\$DA27: 08            PHP  
\$DA28: F3 E4        ISC (pE4),Y  
\$DA2A: 88            DEY  
\$DA2B: 48            PHA  
\$DA2C: FC F3 C8      NOP fC8F3,X  
\$DA2F: 88            DEY  
\$DA30: E5 E4        SBC aE4  
fDA33    =\*+\$01  
\$DA32: E3 E6        ISC (pE6,X)  
\$DA34: E4 FA        CPX aFA  
\$DA36: E6 FC        INC aFC

\$DA38: FD E2 A0	SBC fA0E2,X
\$DA3B: 16 84	ASL f84,X
\$DA3D: 13 80	SLO (p80),Y
\$DA3F: 13 85	SLO (p85),Y
\$DA41: 2C 84 13	BIT a1384
\$DA44: 80 13	NOP #13
\$DA46: 84 2E	STY a2E
\$DA48: 14 A3	NOP fA3,X
\$DA4A: 21 BC	AND (pBC,X)
\$DA4C: 21 DB	AND (pDB,X)
\$DA4E: 13 80	SLO (p80),Y
\$DA50: 13 BC	SLO (pBC),Y
\$DA52: 13 80	SLO (p80),Y
\$DA54: 13 C9	SLO (pC9),Y
\$DA56: 2D 86 2D	AND a2D86
\$DA59: EB 2C	SBC #2C
\$DA5B: 8D 3F 8D	fDA5B STA a8D3F
\$DA5E: 2C EB 2D	BIT a2DEB
\$DA61: 86 2D	STX a2D
\$DA63: A9 13	LDA #13
\$DA65: A8	TAY
\$DA66: 15 94	ORA f94,X
\$DA68: 13 80	SLO (p80),Y
\$DA6A: 13 BC	SLO (pBC),Y
\$DA6C: 20 9A 21	JSR s219A

\$DA6F: 86 21	STX a21
\$DA71: C0 21	CPY # \$21
\$DA73: 98	TYA
\$DA74: 13 9B	SLO (p9B),Y
\$DA76: 22	JAM
\$DA77: 81 13	STA (p13,X)
\$DA79: 80 36	NOP # \$36
\$DA7B: 85 13	STA a13
\$DA7D: 80 13	NOP # \$13
\$DA7F: 84 2C	STY a2C
\$DA81: 83 13	SAX (p13,X)
\$DA83: 80 14	fDA83 NOP # \$14
\$DA85: 86 13	STX a13
\$DA87: 00 00	BRK # \$00
\$DA89: 00 00	BRK # \$00
\$DA8B: 00 00	BRK # \$00
\$DA8D: 00 00	BRK # \$00
\$DA8F: 00 00	BRK # \$00
\$DA91: 00 00	BRK # \$00
\$DA93: 00 00	BRK # \$00
\$DA95: 00 00	BRK # \$00
\$DA97: 00 00	BRK # \$00
\$DA99: 00 00	BRK # \$00
\$DA9B: 00 00	BRK # \$00
\$DA9D: 00 00	BRK # \$00



\$DA9F: 00 00	BRK #	\$00
\$DAA1: 00 00	BRK #	\$00
\$DAA3: 00 00	BRK #	\$00
\$DAA5: 00 00	BRK #	\$00
\$DAA7: 00 00	BRK #	\$00
\$DAA9: 00 00	BRK #	\$00
\$DAAB: 00 00	fDAAB BRK #	\$00
\$DAAD: 00 00	BRK #	\$00
\$DAAF: 00 00	BRK #	\$00
\$DAB1: 00 00	BRK #	\$00
\$DAB3: 00 00	BRK #	\$00
\$DAB5: 00 00	BRK #	\$00
\$DAB7: 00 00	BRK #	\$00
\$DAB9: 00 00	BRK #	\$00
\$DABB: 00 00	BRK #	\$00
\$DABD: 00 00	BRK #	\$00
\$DABF: 00 00	BRK #	\$00
\$DAC1: 00 00	BRK #	\$00
\$DAC3: 00 00	BRK #	\$00
\$DAC5: 00 00	BRK #	\$00
\$DAC7: 00 00	BRK #	\$00
\$DAC9: 00 00	BRK #	\$00
\$DACB: 00 00	BRK #	\$00
\$DACD: 00 00	BRK #	\$00
\$DACF: 00 00	BRK #	\$00

\$DAD1: 00 00 BRK # \$00  
\$DAD3: 00 00 fDAD3 BRK # \$00  
\$DAD5: 00 00 BRK # \$00  
\$DAD7: 00 00 BRK # \$00  
\$DAD9: 00 00 fDAD9 BRK # \$00  
\$DADB: 00 00 BRK # \$00  
\$DADD: 00 00 BRK # \$00  
\$DADF: 00 00 BRK # \$00  
\$DAE1: 00 00 BRK # \$00  
\$DAE3: 00 00 BRK # \$00  
\$DAE5: 00 00 BRK # \$00  
\$DAE7: 00 00 BRK # \$00  
\$DAE9: 00 00 BRK # \$00  
\$DAEB: 00 00 BRK # \$00  
\$DAED: 00 00 BRK # \$00  
\$DAEF: 00 00 BRK # \$00  
\$DAF1: 00 00 BRK # \$00  
\$DAF3: 00 00 BRK # \$00  
\$DAF5: 00 00 BRK # \$00  
\$DAF7: 00 00 BRK # \$00  
\$DAF9: 00 00 BRK # \$00  
\$DAFB: 00 00 fDAFB BRK # \$00  
\$DAFD: 00 00 BRK # \$00  
fDB00 =\*+\$01  
\$DAFF: 00 00 BRK # \$00

\$DB01: 00 00 BRK # \$00

\$DB03: 00 00 BRK # \$00

\$DB05: 00 00 BRK # \$00

\$DB07: 00 00 BRK # \$00

\$DB09: 00 00 BRK # \$00

\$DB0B: 00 00 BRK # \$00

\$DB0D: 00 00 BRK # \$00

\$DB0F: 00 00 BRK # \$00

\$DB11: 00 00 BRK # \$00

\$DB13: 00 00 BRK # \$00

\$DB15: 00 00 BRK # \$00

\$DB17: 00 00 BRK # \$00

\$DB19: 00 00 BRK # \$00

\$DB1B: 00 00 BRK # \$00

\$DB1D: 00 00 BRK # \$00

fDB20 =\*+\$01

\$DB1F: 00 00 BRK # \$00

\$DB21: 00 00 BRK # \$00

fDB24 =\*+\$01

\$DB23: 00 00 BRK # \$00

fDB26 =\*+\$01

\$DB25: 00 00 fDB25 BRK # \$00

\$DB27: 00 00 BRK # \$00

\$DB29: 00 00 BRK # \$00

\$DB2B: 00 00 BRK # \$00

\$DB2D: 00 00 BRK # \$00

\$DB2F: 00 00 BRK # \$00

fDB32 =\*+\$01

\$DB31: 00 00 fDB31 BRK # \$00

fDB34 =\*+\$01

\$DB33: 00 00 fDB33 BRK # \$00

\$DB35: 00 00 BRK # \$00

aDB38 =\*+\$01

\$DB37: 00 00 BRK # \$00

\$DB39: 00 00 BRK # \$00

\$DB3B: 00 00 BRK # \$00

\$DB3D: 00 00 BRK # \$00

\$DB3F: 00 00 BRK # \$00

\$DB41: 00 00 BRK # \$00

\$DB43: 00 00 BRK # \$00

\$DB45: 00 00 BRK # \$00

fDB48 =\*+\$01

\$DB47: 00 00 BRK # \$00

\$DB49: 00 00 BRK # \$00

\$DB4B: 00 00 BRK # \$00

\$DB4D: 00 00 BRK # \$00

\$DB4F: 00 00 BRK # \$00

\$DB51: 00 00 BRK # \$00

\$DB53: 00 00 BRK # \$00

\$DB55: 00 00 BRK # \$00

\$DB57: 00 00 BRK # \$00

\$DB59: 00 00 BRK # \$00

fDB5C =\*+\$01

\$DB5B: 00 00 BRK # \$00

\$DB5D: 00 00 BRK # \$00

\$DB5F: 00 00 BRK # \$00

\$DB61: 00 00 BRK # \$00

\$DB63: 00 00 BRK # \$00

\$DB65: 00 00 BRK # \$00

\$DB67: 00 00 BRK # \$00

\$DB69: 00 00 BRK # \$00

\$DB6B: 00 00 BRK # \$00

\$DB6D: 00 00 BRK # \$00

fDB70 =\*+\$01

\$DB6F: 00 00 BRK # \$00

\$DB71: 00 00 BRK # \$00

\$DB73: 00 00 BRK # \$00

\$DB75: 00 00 BRK # \$00

\$DB77: 00 00 BRK # \$00

\$DB79: 00 00 BRK # \$00

\$DB7B: 00 00 BRK # \$00

\$DB7D: 00 00 BRK # \$00

\$DB7F: 00 00 BRK # \$00

\$DB81: 00 00 BRK # \$00

fDB84 =\*+\$01

\$DB83: 00 00 BRK # \$00

\$DB85: 00 00 BRK # \$00

fDB88 =\*+\$01

\$DB87: 00 00 BRK # \$00

\$DB89: 00 00 BRK # \$00

\$DB8B: 00 00 BRK # \$00

\$DB8D: 00 00 BRK # \$00

\$DB8F: 00 00 BRK # \$00

\$DB91: 00 00 BRK # \$00

\$DB93: 00 00 BRK # \$00

\$DB95: 00 00 BRK # \$00

fDB98 =\*+\$01

\$DB97: 00 00 BRK # \$00

\$DB99: 00 00 BRK # \$00

fDB9C =\*+\$01

\$DB9B: 00 00 BRK # \$00

\$DB9D: 00 00 BRK # \$00

\$DB9F: 00 00 BRK # \$00

\$DBA1: 00 00 BRK # \$00

\$DBA3: 00 00 BRK # \$00

\$DBA5: 00 00 BRK # \$00

\$DBA7: 00 00 BRK # \$00

\$DBA9: 00 00 BRK # \$00

fDBAC =\*+\$01

\$DBAB: 00 00 BRK # \$00

\$DBAD: 00 00 BRK # \$00  
\$DBAF: 00 00 BRK # \$00  
\$DBB1: 00 00 BRK # \$00  
\$DBB3: 00 00 BRK # \$00  
\$DBB5: 00 00 BRK # \$00  
\$DBB7: 00 00 BRK # \$00  
\$DBB9: 00 00 BRK # \$00  
\$DBBB: 00 00 BRK # \$00  
\$DBBD: 00 00 BRK # \$00  
\$DBBF: 00 00 BRK # \$00  
\$DBC1: 00 00 BRK # \$00  
\$DBC3: 00 00 BRK # \$00  
\$DBC5: 00 00 BRK # \$00  
\$DBC7: 00 00 BRK # \$00  
\$DBC9: 00 00 BRK # \$00  
\$DBCB: 00 00 BRK # \$00  
\$DBCD: 00 00 BRK # \$00  
\$DBCF: 00 00 BRK # \$00  
\$DBD1: 00 00 BRK # \$00

fDBD4 =\*+\$01

\$DBD3: 00 00 BRK # \$00  
\$DBD5: 00 00 BRK # \$00  
\$DBD7: 00 00 BRK # \$00

fDBDA =\*+\$01

\$DBD9: 00 00 BRK # \$00

\$DBDB: 00 00 fDBDB BRK # \$00

\$DBDD: 00 00 BRK # \$00

\$DBDF: 00 00 BRK # \$00

\$DBE1: 00 00 BRK # \$00

\$DBE3: 00 00 BRK # \$00

bDBE6 =\*+ \$01

\$DBE5: 00 00 BRK # \$00

\$DBE7: 00 00 BRK # \$00

\$DBE9: 00 00 BRK # \$00

\$DBEB: 00 00 BRK # \$00

\$DBED: 00 00 BRK # \$00

\$DBEF: 00 00 BRK # \$00

\$DBF1: 00 00 BRK # \$00

\$DBF3: 00 00 BRK # \$00

\$DBF5: 00 00 BRK # \$00

\$DBF7: 00 00 BRK # \$00

\$DBF9: 00 00 BRK # \$00

\$DBFB: 00 00 BRK # \$00

\$DBFD: 00 00 BRK # \$00

\$DBFF: 00 57 BRK # \$57

\$DC01: 00 29 BRK # \$29

\$DC03: 10 E1 BPL bDBE6

\$DC05: E4 4A CPX a4A

\$DC07: E1 F1 SBC (pF1,X)

\$DC09: 58 CLI



\$DC0A: E5 F8	SBC aF8
\$DC0C: 58	CLI
\$DC0D: 14 FD	NOP fFD,X
\$DC0F: E4 C9	CPX aC9
\$DC11: FD EA D8	SBC fD8EA,X
\$DC14: A0 15	LDY #\$15
\$DC16: 9C 36 82	SHY f8236,X
\$DC19: 68	PLA
\$DC1A: 91 22	STA (p22),Y
\$DC1C: 13 88	SLO (p88),Y
\$DC1E: 13 BF	SLO (pBF),Y
\$DC20: 21 99	AND (p99,X)
\$DC22: 13 83	SLO (p83),Y
\$DC24: 13 C2	SLO (pC2),Y
\$DC26: 22	JAM
\$DC27: 8E 13 80	STX j8013
\$DC2A: 22	JAM
\$DC2B: A3 16	LAX (p16,X)
\$DC2D: C3 14	DCP (p14,X)
\$DC2F: 88	DEY
\$DC30: 21 81	AND (p81,X)
\$DC32: 13 C3	SLO (pC3),Y
\$DC34: 21 82	AND (p82,X)
\$DC36: 13 89	SLO (p89),Y
\$DC38: 21 A7	AND (pA7,X)

\$DC3A: 13 E0	SLO (pE0),Y
\$DC3C: 14 81	NOP f81,X
\$DC3E: 20 90 20	JSR s2090
\$DC41: C9 13	CMP #13
\$DC43: 83 14	SAX (p14,X)
\$DC45: 85 20	STA a20
\$DC47: A1 13	LDA (p13,X)
\$DC49: E0 68	CPX #68
\$DC4B: 8E 3F 90	STX a903F
\$DC4E: 20 9C 13	JSR s139C
\$DC51: 9E 13 9E	STX f9E13,Y
\$DC54: 13 9E	SLO (p9E),Y
\$DC56: 13 00	SLO (p00),Y
\$DC58: 00 00	BRK #00
\$DC5A: 00 00	BRK #00
\$DC5C: 00 00	BRK #00
\$DC5E: 00 00	BRK #00
\$DC60: 00 00	BRK #00
\$DC62: 00 00	BRK #00
\$DC64: 00 00	BRK #00
\$DC66: 00 00	BRK #00
\$DC68: 00 00	BRK #00
\$DC6A: 00 00	BRK #00
\$DC6C: 00 00	BRK #00
\$DC6E: 00 00	BRK #00

\$DC70: 00 00	BRK # \$00
\$DC72: 00 00	BRK # \$00
\$DC74: 00 00	BRK # \$00
\$DC76: 00 00	BRK # \$00
\$DC78: 00 00	BRK # \$00
\$DC7A: 00 00	BRK # \$00
\$DC7C: 00 00	BRK # \$00
\$DC7E: 00 00	BRK # \$00
\$DC80: 00 00	BRK # \$00
\$DC82: 00 00	BRK # \$00
\$DC84: 00 00	BRK # \$00
\$DC86: 00 00	BRK # \$00
\$DC88: 00 00	BRK # \$00
\$DC8A: 00 00	BRK # \$00
\$DC8C: 00 00	BRK # \$00
\$DC8E: 00 00	BRK # \$00
\$DC90: 00 00	BRK # \$00
\$DC92: 00 00	BRK # \$00
\$DC94: 00 00	BRK # \$00
\$DC96: 00 00	BRK # \$00
\$DC98: 00 00	BRK # \$00
\$DC9A: 00 00	BRK # \$00
\$DC9C: 00 00	BRK # \$00
\$DC9E: 00 00	BRK # \$00
\$DCA0: 00 00	BRK # \$00

\$DCA2: 00 00	BRK # \$00
\$DCA4: 00 00	BRK # \$00
\$DCA6: 00 00	BRK # \$00
\$DCA8: 00 00	BRK # \$00
\$DCAA: 00 00	BRK # \$00
\$DCAC: 00 00	BRK # \$00
\$DCAE: 00 00	BRK # \$00
\$DCB0: 00 00	BRK # \$00
\$DCB2: 00 00	BRK # \$00
\$DCB4: 00 00	BRK # \$00
\$DCB6: 00 00	BRK # \$00
\$DCB8: 00 00	BRK # \$00
\$DCBA: 00 00	BRK # \$00
\$DCBC: 00 00	BRK # \$00
\$DCBE: 00 00	BRK # \$00
\$DCC0: 00 00	BRK # \$00
\$DCC2: 00 00	BRK # \$00
\$DCC4: 00 00	BRK # \$00
\$DCC6: 00 00	BRK # \$00
\$DCC8: 00 00	BRK # \$00
\$DCCA: 00 00	BRK # \$00
\$DCCC: 00 00	BRK # \$00
\$DCCE: 00 00	BRK # \$00
\$DCD0: 00 00	BRK # \$00
\$DCD2: 00 00	BRK # \$00

\$DCD4: 00 00	BRK # \$00
\$DCD6: 00 00	BRK # \$00
\$DCD8: 00 00	BRK # \$00
\$DCDA: 00 00	BRK # \$00
\$DCDC: 00 00	BRK # \$00
\$DCDE: 00 00	BRK # \$00
\$DCE0: 00 00	BRK # \$00
\$DCE2: 00 00	BRK # \$00
\$DCE4: 00 00	BRK # \$00
\$DCE6: 00 00	BRK # \$00
\$DCE8: 00 00	BRK # \$00
\$DCEA: 00 00	BRK # \$00
\$DCEC: 00 00	BRK # \$00
\$DCEE: 00 00	BRK # \$00
\$DCF0: 00 00	BRK # \$00
\$DCF2: 00 00	BRK # \$00
\$DCF4: 00 00	BRK # \$00
\$DCF6: 00 00	BRK # \$00
\$DCF8: 00 00	BRK # \$00
\$DCFA: 00 00	BRK # \$00
\$DCFC: 00 00	BRK # \$00
\$DCFE: 00 00	BRK # \$00
\$DD00: 00 00	BRK # \$00
\$DD02: 00 00	BRK # \$00
\$DD04: 00 00	BRK # \$00

\$DD06: 00 00	BRK # \$00
\$DD08: 00 00	BRK # \$00
\$DD0A: 00 00	BRK # \$00
\$DD0C: 00 00	BRK # \$00
\$DD0E: 00 00	BRK # \$00
\$DD10: 00 00	BRK # \$00
\$DD12: 00 00	BRK # \$00
\$DD14: 00 00	BRK # \$00
\$DD16: 00 00	BRK # \$00
\$DD18: 00 00	BRK # \$00
\$DD1A: 00 00	BRK # \$00
\$DD1C: 00 00	BRK # \$00
\$DD1E: 00 00	BRK # \$00
\$DD20: 00 00	BRK # \$00
\$DD22: 00 00	BRK # \$00
\$DD24: 00 00	BRK # \$00
\$DD26: 00 00	BRK # \$00
\$DD28: 00 00	BRK # \$00
\$DD2A: 00 00	BRK # \$00
\$DD2C: 00 00	BRK # \$00
\$DD2E: 00 00	BRK # \$00
\$DD30: 00 00	BRK # \$00
\$DD32: 00 00	BRK # \$00
\$DD34: 00 00	BRK # \$00
\$DD36: 00 00	BRK # \$00

\$DD38: 00 00	BRK # \$00
\$DD3A: 00 00	BRK # \$00
\$DD3C: 00 00	BRK # \$00
\$DD3E: 00 00	BRK # \$00
\$DD40: 00 00	BRK # \$00
\$DD42: 00 00	BRK # \$00
\$DD44: 00 00	BRK # \$00
\$DD46: 00 00	BRK # \$00
\$DD48: 00 00	BRK # \$00
\$DD4A: 00 00	BRK # \$00
\$DD4C: 00 00	BRK # \$00
\$DD4E: 00 00	BRK # \$00
\$DD50: 00 00	BRK # \$00
\$DD52: 00 00	BRK # \$00
\$DD54: 00 00	BRK # \$00
\$DD56: 00 00	BRK # \$00
\$DD58: 00 00	BRK # \$00
\$DD5A: 00 00	BRK # \$00
\$DD5C: 00 00	BRK # \$00
\$DD5E: 00 00	BRK # \$00
\$DD60: 00 00	BRK # \$00
\$DD62: 00 00	BRK # \$00
\$DD64: 00 00	BRK # \$00
\$DD66: 00 00	BRK # \$00
\$DD68: 00 00	BRK # \$00

\$DD6A: 00 00	BRK # \$00
\$DD6C: 00 00	BRK # \$00
\$DD6E: 00 00	BRK # \$00
\$DD70: 00 00	BRK # \$00
\$DD72: 00 00	BRK # \$00
\$DD74: 00 00	BRK # \$00
\$DD76: 00 00	BRK # \$00
\$DD78: 00 00	BRK # \$00
\$DD7A: 00 00	BRK # \$00
\$DD7C: 00 00	BRK # \$00
\$DD7E: 00 00	BRK # \$00
\$DD80: 00 00	BRK # \$00
\$DD82: 00 00	BRK # \$00
\$DD84: 00 00	BRK # \$00
\$DD86: 00 00	BRK # \$00
\$DD88: 00 00	BRK # \$00
\$DD8A: 00 00	BRK # \$00
\$DD8C: 00 00	BRK # \$00
\$DD8E: 00 00	BRK # \$00
\$DD90: 00 00	BRK # \$00
\$DD92: 00 00	BRK # \$00
\$DD94: 00 00	BRK # \$00
\$DD96: 00 00	BRK # \$00
\$DD98: 00 00	BRK # \$00
\$DD9A: 00 00	BRK # \$00



\$DD9C: 00 00	BRK # \$00
\$DD9E: 00 00	BRK # \$00
\$DDA0: 00 00	BRK # \$00
\$DDA2: 00 00	BRK # \$00
\$DDA4: 00 00	BRK # \$00
\$DDA6: 00 00	BRK # \$00
\$DDA8: 00 00	BRK # \$00
\$DDAA: 00 00	BRK # \$00
\$DDAC: 00 00	BRK # \$00
\$DDAE: 00 00	BRK # \$00
\$DDB0: 00 00	BRK # \$00
\$DDB2: 00 00	BRK # \$00
\$DDB4: 00 00	BRK # \$00
\$DDB6: 00 00	BRK # \$00
\$DDB8: 00 00	BRK # \$00
\$DDBA: 00 00	BRK # \$00
\$DDBC: 00 00	BRK # \$00
\$DDBE: 00 00	BRK # \$00
\$DDC0: 00 00	BRK # \$00
\$DDC2: 00 00	BRK # \$00
\$DDC4: 00 00	BRK # \$00
\$DDC6: 00 00	BRK # \$00
\$DDC8: 00 00	BRK # \$00
\$DDCA: 00 00	BRK # \$00
\$DDCC: 00 00	BRK # \$00

\$DDCE: 00 00	BRK # \$00
\$DDD0: 00 00	BRK # \$00
\$DDD2: 00 00	BRK # \$00
\$DDD4: 00 00	BRK # \$00
\$DDD6: 00 00	BRK # \$00
\$DDD8: 00 00	BRK # \$00
\$DDDA: 00 00	BRK # \$00
\$DDDC: 00 00	BRK # \$00
\$DDDE: 00 00	BRK # \$00
\$DDE0: 00 00	BRK # \$00
\$DDE2: 00 00	BRK # \$00
\$DDE4: 00 00	BRK # \$00
\$DDE6: 00 00	BRK # \$00
\$DDE8: 00 00	BRK # \$00
\$DDEA: 00 00	BRK # \$00
\$DDEC: 00 00	BRK # \$00
\$DDEE: 00 00	BRK # \$00
\$DDF0: 00 00	BRK # \$00
\$DDF2: 00 00	BRK # \$00

fDDF5 =\*+\$01

\$DDF4: 00 00	BRK # \$00
\$DDF6: 00 00	BRK # \$00
\$DDF8: 00 00	BRK # \$00
\$DDFA: 00 00	BRK # \$00
\$DDFC: 00 00	BRK # \$00

\$DDFE: 00 00	BRK # \$00
\$DE00: 00 00	BRK # \$00
\$DE02: 00 00	BRK # \$00
\$DE04: 00 00	BRK # \$00
\$DE06: 00 00	BRK # \$00
\$DE08: 00 00	BRK # \$00
\$DE0A: 00 00	BRK # \$00
\$DE0C: 00 00	BRK # \$00
\$DE0E: 00 00	BRK # \$00
\$DE10: 00 00	BRK # \$00
\$DE12: 00 00	BRK # \$00
\$DE14: 00 00	BRK # \$00
\$DE16: 00 00	BRK # \$00
\$DE18: 00 00	BRK # \$00
\$DE1A: 00 00	BRK # \$00
\$DE1C: 00 00	BRK # \$00
\$DE1E: 00 00	BRK # \$00
\$DE20: 00 00	BRK # \$00
\$DE22: 00 00	BRK # \$00
\$DE24: 00 00	BRK # \$00
\$DE26: 00 00	BRK # \$00
\$DE28: 00 00	BRK # \$00
\$DE2A: 00 00	BRK # \$00
\$DE2C: 00 00	BRK # \$00
\$DE2E: 00 00	BRK # \$00

\$DE30: 00 00	BRK # \$00
\$DE32: 00 00	BRK # \$00
\$DE34: 00 00	BRK # \$00
\$DE36: 00 00	BRK # \$00
\$DE38: 00 00	BRK # \$00
\$DE3A: 00 00	BRK # \$00
\$DE3C: 00 00	BRK # \$00
\$DE3E: 00 00	BRK # \$00
\$DE40: FF FF FF	ISC fffff,X ;IRQ
\$DE43: FF FF FF	ISC fffff,X ;IRQ
\$DE46: FF FF FF	ISC fffff,X ;IRQ
\$DE49: FF FF FF	ISC fffff,X ;IRQ
\$DE4C: FF FF FF	ISC fffff,X ;IRQ
\$DE4F: FF FF FF	ISC fffff,X ;IRQ
\$DE52: FF FF FF	ISC fffff,X ;IRQ
\$DE55: FF FF FF	ISC fffff,X ;IRQ
\$DE58: FF FF FF	ISC fffff,X ;IRQ
\$DE5B: FF FF FF	ISC fffff,X ;IRQ
\$DE5E: FF FF FF	ISC fffff,X ;IRQ
\$DE61: FF FF FF	ISC fffff,X ;IRQ
\$DE64: FF FF FF	ISC fffff,X ;IRQ
\$DE67: FF FF FF	ISC fffff,X ;IRQ
\$DE6A: FF FF FF	ISC fffff,X ;IRQ
\$DE6D: FF FF FF	ISC fffff,X ;IRQ
\$DE70: FF FF FF	ISC fffff,X ;IRQ

\$DE73: FF FF FF	ISC fffff,X ;IRQ
\$DE76: FF FF FF	ISC fffff,X ;IRQ
\$DE79: FF FF FF	ISC fffff,X ;IRQ
\$DE7C: FF FF FF	ISC fffff,X ;IRQ
\$DE7F: FF 00 00	ISC e0000,X
\$DE82: 00 00	BRK #00
\$DE84: 00 00	BRK #00
\$DE86: 00 00	BRK #00
\$DE88: 00 00	BRK #00
\$DE8A: 00 00	BRK #00
\$DE8C: 00 00	BRK #00
\$DE8E: 00 00	BRK #00
\$DE90: 00 00	BRK #00
\$DE92: 00 00	BRK #00
\$DE94: 00 00	BRK #00
\$DE96: 00 00	BRK #00
\$DE98: 00 00	BRK #00
\$DE9A: 00 00	BRK #00
\$DE9C: 00 00	BRK #00
\$DE9E: 00 00	BRK #00
\$DEA0: 00 00	BRK #00
\$DEA2: 00 00	BRK #00
\$DEA4: 00 00	BRK #00
\$DEA6: 00 00	BRK #00
\$DEA8: 00 00	BRK #00

\$DEAA: 00 00	BRK # \$00
\$DEAC: 00 00	BRK # \$00
\$DEAE: 00 00	BRK # \$00
\$DEB0: 00 00	BRK # \$00
\$DEB2: 00 00	BRK # \$00
\$DEB4: 00 00	BRK # \$00
\$DEB6: 00 00	BRK # \$00
\$DEB8: 00 00	BRK # \$00
\$DEBA: 00 00	BRK # \$00
\$DEBC: 00 00	BRK # \$00
\$DEBE: 00 00	BRK # \$00
\$DEC0: FF FF FF	ISC fffff,X ;IRQ
\$DEC3: FF FF FF	ISC fffff,X ;IRQ
\$DEC6: FF FF FF	ISC fffff,X ;IRQ
\$DEC9: FF FF FF	ISC fffff,X ;IRQ
\$DECC: FF FF FF	ISC fffff,X ;IRQ
\$DECF: FF FF FF	ISC fffff,X ;IRQ
\$DED2: FF FF FF	ISC fffff,X ;IRQ
\$DED5: FF FF FF	ISC fffff,X ;IRQ
\$DED8: FF FF FF	ISC fffff,X ;IRQ
fDEDD =*+\$02	
\$DEDB: FF FF FF	ISC fffff,X ;IRQ
\$DEDE: FF FF FF	ISC fffff,X ;IRQ
\$DEE1: FF FF FF	ISC fffff,X ;IRQ
\$DEE4: FF FF FF	ISC fffff,X ;IRQ

\$DEE7: FF FF FF	ISC fffff,X ;IRQ
\$DEEA: FF FF FF	ISC fffff,X ;IRQ
\$DEED: FF FF FF	ISC fffff,X ;IRQ
\$DEF0: FF FF FF	ISC fffff,X ;IRQ
\$DEF3: FF FF FF	ISC fffff,X ;IRQ
\$DEF6: FF FF FF	ISC fffff,X ;IRQ
\$DEF9: FF FF FF	ISC fffff,X ;IRQ
\$DEFC: FF FF FF	ISC fffff,X ;IRQ
\$DEFF: FF 00 00	ISC e0000,X
\$DF02: 00 00	BRK # \$00
\$DF04: 00 00	BRK # \$00
\$DF06: 00 00	BRK # \$00
\$DF08: 00 00	BRK # \$00
\$DF0A: 00 00	BRK # \$00
\$DF0C: 00 00	BRK # \$00
\$DF0E: 00 00	BRK # \$00
\$DF10: 00 00	BRK # \$00
\$DF12: 00 00	BRK # \$00
\$DF14: 00 00	BRK # \$00
\$DF16: 00 00	BRK # \$00
\$DF18: 00 00	BRK # \$00
\$DF1A: 00 00	BRK # \$00
\$DF1C: 00 00	BRK # \$00
\$DF1E: 00 00	BRK # \$00
\$DF20: 00 00	BRK # \$00

\$DF22: 00 00	BRK # \$00
\$DF24: 00 00	BRK # \$00
\$DF26: 00 00	BRK # \$00
\$DF28: 00 00	BRK # \$00
\$DF2A: 00 00	BRK # \$00
\$DF2C: 00 00	BRK # \$00
\$DF2E: 00 00	BRK # \$00
\$DF30: 00 00	BRK # \$00
\$DF32: 00 00	BRK # \$00
\$DF34: 00 00	BRK # \$00
\$DF36: 00 00	BRK # \$00
\$DF38: 00 00	BRK # \$00
\$DF3A: 00 00	BRK # \$00
\$DF3C: 00 00	BRK # \$00
\$DF3E: 00 00	BRK # \$00
\$DF40: FF FF FF	ISC fffff,X ;IRQ
\$DF43: FF FF FF	ISC fffff,X ;IRQ
\$DF46: FF FF FF	ISC fffff,X ;IRQ
\$DF49: FF FF FF	ISC fffff,X ;IRQ
\$DF4C: FF FF FF	ISC fffff,X ;IRQ
\$DF4F: FF FF FF	ISC fffff,X ;IRQ
\$DF52: FF FF FF	ISC fffff,X ;IRQ
\$DF55: FF FF FF	fDF55 ISC fffff,X ;IRQ
\$DF58: FF FF FF	ISC fffff,X ;IRQ
\$DF5B: FF FF FF	ISC fffff,X ;IRQ



\$DF5E: FF FF FF	ISC fffff,X ;IRQ
\$DF61: FF FF FF	ISC fffff,X ;IRQ
\$DF64: FF FF FF	ISC fffff,X ;IRQ
\$DF67: FF FF FF	ISC fffff,X ;IRQ
\$DF6A: FF FF FF	ISC fffff,X ;IRQ
\$DF6D: FF FF FF	ISC fffff,X ;IRQ
\$DF70: FF FF FF	ISC fffff,X ;IRQ
\$DF73: FF FF FF	ISC fffff,X ;IRQ
\$DF76: FF FF FF	ISC fffff,X ;IRQ
\$DF79: FF FF FF	ISC fffff,X ;IRQ
\$DF7C: FF FF FF	ISC fffff,X ;IRQ
\$DF7F: FF 00 00	ISC e0000,X
\$DF82: 00 00	BRK # \$00
\$DF84: 00 00	BRK # \$00
\$DF86: 00 00	BRK # \$00
\$DF88: 00 00	BRK # \$00
\$DF8A: 00 00	BRK # \$00
\$DF8C: 00 00	BRK # \$00
\$DF8E: 00 00	BRK # \$00
\$DF90: 00 00	BRK # \$00
\$DF92: 00 00	BRK # \$00
\$DF94: 00 00	BRK # \$00
\$DF96: 00 00	BRK # \$00
\$DF98: 00 00	BRK # \$00
\$DF9A: 00 00	BRK # \$00

\$DF9C: 00 00 BRK # \$00  
\$DF9E: 00 00 BRK # \$00  
\$DFA0: 00 00 BRK # \$00  
\$DFA2: 00 00 BRK # \$00  
\$DFA4: 00 00 BRK # \$00  
\$DFA6: 00 00 BRK # \$00  
\$DFA8: 00 00 BRK # \$00  
\$DFAA: 00 00 BRK # \$00  
\$DFAC: 00 00 BRK # \$00  
\$DFAE: 00 00 BRK # \$00  
\$DFB0: 00 00 BRK # \$00  
\$DFB2: 00 00 BRK # \$00  
\$DFB4: 00 00 BRK # \$00  
\$DFB6: 00 00 BRK # \$00  
\$DFB8: 00 00 BRK # \$00  
\$DFBA: 00 00 BRK # \$00  
\$DFBC: 00 00 BRK # \$00

fDFBF =\*+\$01

\$DFBE: 00 00 BRK # \$00  
\$DFC0: FF FF FF ISC fffff,X ;IRQ  
\$DFC3: FF FF FF ISC fffff,X ;IRQ  
\$DFC6: FF FF FF ISC fffff,X ;IRQ  
\$DFC9: FF FF FF ISC fffff,X ;IRQ  
\$DFCC: FF FF FF ISC fffff,X ;IRQ  
\$DFCF: FF FF FF ISC fffff,X ;IRQ

\$DFD2: FF FF FF ISC fffff,X ;IRQ

\$DFD5: FF FF FF ISC fffff,X ;IRQ

\$DFD8: FF FF FF ISC fffff,X ;IRQ

fDFDD =\*+\$02

\$DFDB: FF FF FF ISC fffff,X ;IRQ

fDFDF =\*+\$01

\$DFDE: FF FF FF ISC fffff,X ;IRQ

\$DFE1: FF FF FF ISC fffff,X ;IRQ

\$DFE4: FF FF FF ISC fffff,X ;IRQ

\$DFE7: FF FF FF ISC fffff,X ;IRQ

\$DFEA: FF FF FF ISC fffff,X ;IRQ

\$DFED: FF FF FF ISC fffff,X ;IRQ

\$DFF0: FF FF FF ISC fffff,X ;IRQ

\$DFF3: FF FF FF ISC fffff,X ;IRQ

\$DFF6: FF FF FF ISC fffff,X ;IRQ

\$DFF9: FF FF FF ISC fffff,X ;IRQ

fDFFD =\*+\$01

aDFFE =\*+\$02

\$DFFC: FF FF FF ISC fffff,X ;IRQ

sE000 =\*+\$01

\$DFFF: FF 4C 0A fDFFF ISC f0A4C,X

sE003 =\*+\$01

\$E002: E0 85 CPX #85

\$E004: 02 JAM

\$E005: 86 03 STX a03

```

$E007: 4C E4 E1      JMP jE1E4

$E00A: AD 9E E6      LDA aE69E
$E00D: F0 0E        BEQ bE01D
$E00F: 20 1E E0      JSR sE01E
$E012: A2 18        LDX #18
$E014: BD 85 E6 bE014 LDA fe685,X
$E017: 9D 00 D4      STA $D400,X ;Voice 1: Frequency Control - Low-Byte
$E01A: CA          DEX
$E01B: 10 F7        BPL bE014
$E01D: 60          bE01D RTS

$E01E: AD 9A E6 sE01E LDA aE69A
$E021: 18          CLC
$E022: 6D 9B E5      ADC aE59B
$E025: 8D 9A E6      STA aE69A
$E028: C9 07        CMP #7
$E02A: 90 06        BCC bE032
$E02C: 29 07        AND #7
                fe030 =*+$02
$E02E: 8D 9A E6      STA aE69A
$E031: 38          SEC
$E032: AD 9B E6 bE032 LDA aE69B
$E035: 6D 9C E5      ADC aE59C
$E038: 8D 9B E6      STA aE69B

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\$E03B: A2 00 LDX #\$00  
\$E03D: BC 20 E6 jE03D LDY fe620,X  
\$E040: 84 04 STY a04  
\$E042: 86 05 STX a05  
\$E044: BD C2 E5 LDA fe5C2,X  
\$E047: 18 CLC  
\$E048: 69 01 ADC #\$01  
\$E04A: D9 8A E5 CMP fe58A,Y  
\$E04D: 90 14 BCC bE063  
\$E04F: FE C5 E5 INC fe5C5,X  
\$E052: BD B3 E5 LDA fe5B3,X  
\$E055: 18 CLC  
\$E056: 69 01 ADC #\$01  
\$E058: C9 03 CMP #\$03  
\$E05A: 90 02 BCC bE05E  
\$E05C: A9 00 LDA #\$00  
\$E05E: 9D B3 E5 bE05E STA fe5B3,X  
\$E061: A9 00 LDA #\$00  
\$E063: 9D C2 E5 bE063 STA fe5C2,X  
\$E066: FE AA E5 INC fe5AA,X  
\$E069: BD 1A E6 LDA fe61A,X  
\$E06C: 85 02 STA a02  
\$E06E: BD 17 E6 LDA fe617,X  
\$E071: 85 03 STA a03  
\$E073: A0 00 jE073 LDY #\$00

\$E075: B1 02 LDA (p02),Y  
\$E077: 38 SEC  
\$E078: E9 01 SBC #\$01  
\$E07A: C9 21 CMP #\$21  
\$E07C: B0 1F BCS bE09D  
\$E07E: 0A ASL  
\$E07F: A8 TAY  
\$E080: B9 43 E6 fE080 LDA fE643,Y  
\$E083: 8D 95 E0 STA aE095  
\$E086: B9 44 E6 LDA fE644,Y  
\$E089: 8D 96 E0 STA aE096  
\$E08C: A0 01 LDY #\$01  
\$E08E: B1 02 LDA (p02),Y  
\$E090: A4 04 LDY a04  
\$E092: A6 05 LDX a05  
aE095 =\*+\$01  
aE096 =\*+\$02  
\$E094: 20 3B E2 JSR sE23B  
\$E097: 20 77 E5 JSR sE577  
\$E09A: 4C 73 E0 JMP jE073  
\$E09D: A6 04 bE09D LDX a04  
\$E09F: A4 05 LDY a05  
\$E0A1: BD 86 E5 LDA fE586,X  
\$E0A4: F0 28 BEQ bE0CE

\$E0A6: B9 9E E5      LDA fE59E,Y  
\$E0A9: F0 03      BEQ bE0AE  
\$E0AB: 20 61 E3      JSR sE361  
\$E0AE: B9 AD E5    bE0AE   LDA fE5AD,Y  
\$E0B1: F0 03      BEQ bE0B6  
\$E0B3: 20 24 E4      JSR sE424  
\$E0B6: BD 8B E5    bE0B6   LDA fE58B,X  
\$E0B9: F0 03      BEQ bE0BE  
\$E0BB: 20 BB E3      JSR sE3BB  
      fE0C0    =\*+\$02  
\$E0BE: BD 8C E5    bE0BE   LDA fE58C,X  
\$E0C1: F0 03      BEQ bE0C6  
\$E0C3: 20 F1 E3      JSR sE3F1  
\$E0C6: B9 FB E5    bE0C6   LDA fE5FB,Y  
\$E0C9: F0 03      BEQ bE0CE  
\$E0CB: 20 70 E3      JSR sE370  
\$E0CE: 20 E6 E0    bE0CE   JSR sE0E6  
\$E0D1: A6 05      LDX a05  
\$E0D3: A5 02      LDA a02  
\$E0D5: 9D 1A E6      STA fE61A,X  
\$E0D8: A5 03      LDA a03  
\$E0DA: 9D 17 E6      STA fE617,X  
\$E0DD: E8          INX  
\$E0DE: E0 03      CPX #\$03  
\$E0E0: B0 03      sE0E0   BCS bE0E5

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$E0E2: 4C 3D E0      JMP jE03D

$E0E5: 60      bE0E5 RTS

$E0E6: A6 05      sE0E6 LDX a05

$E0E8: A4 04      LDY a04

$E0EA: BD 14 E6      LDA fe614,X

$E0ED: 38      SEC

$E0EE: E9 01      SBC #01

$E0F0: 9D 14 E6      STA fe614,X

$E0F3: BD CE E5      LDA fe5CE,X

$E0F6: E9 00      SBC #00

$E0F8: 9D CE E5      STA fe5CE,X

$E0FB: D0 12      BNE bE10F

$E0FD: BD 14 E6      LDA fe614,X

$E100: F0 10      BEQ bE112

$E102: DD 40 E6      CMP fe640,X

$E105: B0 08      BCS bE10F

$E107: B9 89 E6      LDA fe689,Y

$E10A: 29 FE      AND #0FE

$E10C: 99 89 E6      STA fe689,Y

$E10F: 4C E3 E1      bE10F JMP jE1E3

$E112: A9 00      bE112 LDA #00

$E114: 99 87 E6      STA fe687,Y
```



\$E117: 9D CE E5      STA fE5CE,X  
\$E11A: 9D AA E5      STA fE5AA,X  
\$E11D: 9D D1 E5      STA fE5D1,X  
\$E120: 9D D7 E5      STA fE5D7,X  
\$E123: 9D D4 E5      STA fE5D4,X  
\$E126: 9D C2 E5      STA fE5C2,X  
\$E129: 9D C5 E5      STA fE5C5,X  
\$E12C: 9D B3 E5      STA fE5B3,X  
\$E12F: 9D B0 E5      STA fE5B0,X  
\$E132: EC 85 E5      CPX aE585  
\$E135: D0 09          BNE bE140  
\$E137: 8D 9A E6      STA aE69A  
\$E13A: AD 9D E5      LDA aE59D  
\$E13D: 8D 9B E6      STA aE69B  
\$E140: BD F8 E5      bE140 LDA fE5F8,X  
\$E143: 99 8A E6      STA fE68A,Y  
\$E146: BD EF E5      LDA fE5EF,X  
\$E149: 99 8B E6      STA fE68B,Y  
\$E14C: BD F5 E5      LDA fE5F5,X  
\$E14F: 99 88 E6      STA fE688,Y  
\$E152: A0 00      jE152 LDY # \$00  
\$E154: B1 02          LDA (p02),Y  
\$E156: D0 0B          BNE bE163  
\$E158: A9 00          LDA # \$00  
\$E15A: 8D 12 E6      STA aE612

\$E15D: 8D 13 E6      STA aE613  
\$E160: 4C A4 E1      JMP jE1A4  
  
\$E163: C9 80    bE163    CMP #S80  
\$E165: 90 3D      BCC jE1A4  
\$E167: 18          CLC  
\$E168: 7D E6 E5      ADC fE5E6,X  
\$E16B: 8D 10 E6      STA aE610  
\$E16E: BD B9 E5      LDA fE5B9,X  
\$E171: F0 13          BEQ bE186  
\$E173: 18          CLC  
\$E174: 6D 10 E6      ADC aE610  
\$E177: 20 35 E5      JSR sE535  
\$E17A: AD 12 E6      LDA aE612  
\$E17D: 9D BF E5      STA fE5BF,X  
\$E180: AD 13 E6      LDA aE613  
\$E183: 9D BC E5      STA fE5BC,X  
\$E186: BD B6 E5    bE186    LDA fE5B6,X  
\$E189: F0 13          BEQ bE19E  
\$E18B: 18          CLC  
\$E18C: 6D 10 E6      ADC aE610  
\$E18F: 20 35 E5      JSR sE535  
\$E192: AD 12 E6      LDA aE612  
\$E195: 9D A1 E5      STA fE5A1,X  
\$E198: AD 13 E6      LDA aE613

\$E19B: 9D A4 E5      STA fE5A4,X  
\$E19E: AD 10 E6    bE19E   LDA aE610  
\$E1A1: 20 35 E5      JSR sE535  
\$E1A4: A4 04    jE1A4   LDY a04  
\$E1A6: AD 12 E6      LDA aE612  
\$E1A9: 99 86 E6      STA fE686,Y  
\$E1AC: 99 86 E5      STA fE586,Y  
\$E1AF: AD 13 E6      LDA aE613  
\$E1B2: 99 85 E6      STA fE685,Y  
\$E1B5: 99 87 E5      STA fE587,Y  
\$E1B8: A0 01      LDY #01  
\$E1BA: B1 02      LDA (p02),Y  
\$E1BC: A4 04      LDY a04  
\$E1BE: 9D 14 E6      STA fE614,X  
\$E1C1: 20 77 E5      JSR sE577  
\$E1C4: BD 14 E6      LDA fE614,X  
\$E1C7: C9 FF      CMP #0xFF  
\$E1C9: D0 0F      BNE bE1DA  
\$E1CB: B9 87 E5      LDA fE587,Y  
\$E1CE: 9D A4 E5      STA fE5A4,X  
\$E1D1: B9 86 E5      LDA fE586,Y  
\$E1D4: 9D A1 E5      STA fE5A1,X  
\$E1D7: 4C 52 E1      JMP jE152  
  
\$E1DA: BD F2 E5    bE1DA   LDA fE5F2,X

\$E1DD: 99 89 E6      STA fe689,Y  
\$E1E0: 99 88 E5    fe1E0 STA fe588,Y  
\$E1E3: 60      jE1E3 RTS  
  
\$E1E4: A9 00    jE1E4 LDA #\$00  
\$E1E6: 8D 9E E6   aE1E6 STA aE69E  
\$E1E9: A2 7E      LDX #\$7E  
\$E1EB: 9D 84 E5   bE1EB STA fe584,X  
\$E1EE: CA          DEX  
                 aE1F0 =\*+\$01  
\$E1EF: DO FA      BNE bE1EB  
\$E1F1: A2 02      LDX #\$02  
\$E1F3: 8E 41 E6    STX aE641  
\$E1F6: 8E 40 E6    STX fe640  
\$E1F9: 8E 42 E6    STX aE642  
\$E1FC: A9 01    bE1FC LDA #\$01  
\$E1FE: 9D 14 E6    STA fe614,X  
\$E201: 9D 1D E6    STA fe61D,X  
\$E204: CA          DEX  
\$E205: 10 F5      BPL bE1FC  
\$E207: A5 02      LDA a02  
\$E209: 18          CLC  
\$E20A: 69 04      ADC #\$04  
\$E20C: 8D 1A E6    STA fe61A  
\$E20F: A5 03      LDA a03

\$E211: 69 00      ADC #\$00  
\$E213: 8D 17 E6      STA fE617  
\$E216: A2 7E      LDX #\$7E  
\$E218: A0 00      LDY #\$00  
\$E21A: B1 02    bE21A LDA (p02),Y  
\$E21C: 18      CLC  
\$E21D: 6D 1A E6      ADC fE61A  
\$E220: 9D 9D E5      STA aE59D,X  
\$E223: 08      PHP  
\$E224: C8      INY  
\$E225: 28      PLP  
\$E226: B1 02      LDA (p02),Y  
\$E228: 6D 17 E6      ADC fE617  
\$E22B: 9D 9A E5      STA fE59A,X  
\$E22E: C8      INY  
\$E22F: E8      INX  
\$E230: 10 E8      BPL bE21A  
\$E232: 20 40 E2      JSR sE240  
\$E235: A9 01      LDA #\$01  
\$E237: 8D 9E E6      STA aE69E  
\$E23A: 60      RTS  
  
\$E23B: A9 00    sE23B LDA #\$00  
\$E23D: 8D 9E E6      STA aE69E  
\$E240: A2 17    sE240 LDX #\$17

\$E242: A9 09    bE242   LDA #\$09

\$E244: 9D 85 E6        STA fe685,X

\$E247: A9 00        LDA #\$00

\$E249: 9D 85 E6        STA fe685,X

\$E24C: CA        DEX

\$E24D: 10 F3        BPL bE242

\$E24F: 60        RTS

\$E250: 8D 9D E6        STA aE69D

\$E253: 60        RTS

\$E254: 9D F2 E5        STA fe5F2,X

\$E257: 60        RTS

\$E258: 9D F8 E5        STA fe5F8,X

\$E25B: 60        RTS

\$E25C: 9D EF E5        STA fe5EF,X

\$E25F: 60        RTS

\$E260: 8D 10 E6        STA aE610

\$E263: BD E0 E5        LDA fe5E0,X

\$E266: D0 09        BNE bE271

\$E268: FE E0 E5        INC fe5E0,X

\$E26B: AD 10 E6        LDA aE610

\$E26E: 9D FE E5      STA fE5FE,X  
\$E271: DE FE E5    bE271    DEC fE5FE,X  
\$E274: BD FE E5      LDA fE5FE,X  
\$E277: F0 0B        BEQ bE284  
\$E279: BD 04 E6      LDA fE604,X  
\$E27C: 85 02        STA a02  
\$E27E: BD 07 E6      LDA fE607,X  
\$E281: 85 03        STA a03  
\$E283: 60            RTS  
  
\$E284: DE E0 E5    bE284    DEC fE5E0,X  
\$E287: 60            RTS  
  
\$E288: A5 02        LDA a02  
\$E28A: 9D 04 E6      STA fE604,X  
\$E28D: A5 03        LDA a03  
\$E28F: 9D 07 E6      STA fE607,X  
\$E292: 60            RTS  
  
\$E293: 8D 10 E6      STA aE610  
\$E296: BD E3 E5      LDA fE5E3,X  
\$E299: D0 09        BNE bE2A4  
\$E29B: FE E3 E5      INC fE5E3,X  
\$E29E: AD 10 E6      LDA aE610  
\$E2A1: 9D 01 E6      STA fE601,X

\$E2A4: DE 01 E6 bE2A4 DEC fE601,X

\$E2A7: BD 01 E6 LDA fE601,X

\$E2AA: F0 0B BEQ bE2B7

\$E2AC: BD 0A E6 LDA fE60A,X

\$E2AF: 85 02 STA a02

\$E2B1: BD 0D E6 LDA fE60D,X

\$E2B4: 85 03 STA a03

\$E2B6: 60 RTS

\$E2B7: DE E3 E5 bE2B7 DEC fE5E3,X

\$E2BA: 60 RTS

\$E2BB: A5 02 LDA a02

\$E2BD: 9D 0A E6 STA fE60A,X

\$E2C0: A5 03 LDA a03

\$E2C2: 9D 0D E6 STA fE60D,X

\$E2C5: 60 RTS

\$E2C6: 9D E6 E5 STA fE5E6,X

\$E2C9: 60 RTS

\$E2CA: 9D FB E5 STA fE5FB,X

\$E2CD: 60 RTS

\$E2CE: 9D EC E5 STA fE5EC,X



\$E2D1: 60            RTS

\$E2D2: 9D E9 E5        STA fE5E9,X

\$E2D5: 60            RTS

\$E2D6: 9D F5 E5        STA fE5F5,X

\$E2D9: 60            RTS

\$E2DA: C9 64            CMP #64

\$E2DC: 90 07            BCC bE2E5

\$E2DE: 38            SEC

\$E2DF: E9 64            SBC #64

\$E2E1: 9D 40 E6        STA fE640,X

\$E2E4: 60            RTS

\$E2E5: 99 89 E5    bE2E5    STA fE589,Y

\$E2E8: 60            RTS

\$E2E9: 99 8A E5        STA fE58A,Y

\$E2EC: 60            RTS

\$E2ED: C9 63            CMP #63

\$E2EF: 90 07            BCC bE2F8

\$E2F1: 38            SEC

\$E2F2: E9 64    fE2F2    SBC #64

\$E2F4: 8D 85 E5      STA aE585

\$E2F7: 60            RTS

\$E2F8: 99 8B E5    bE2F8   STA fe58B,Y

\$E2FB: 60            RTS

\$E2FC: 99 8C E5      STA fe58C,Y

\$E2FF: 60            RTS

\$E300: 9D 9E E5      STA fe59E,X

\$E303: 60            RTS

\$E304: 9D AD E5      STA fe5AD,X

\$E307: 60            RTS

\$E308: 9D A7 E5      STA fe5A7,X

\$E30B: 60            RTS

\$E30C: 48            PHA

\$E30D: 29 0F          AND #\$0F

\$E30F: 9D DD E5      STA fe5DD,X

\$E312: 68            PLA

\$E313: 29 F0          AND #\$F0

\$E315: 4A            LSR

\$E316: 4A            LSR

\$E317: 4A            LSR  
\$E318: 4A            LSR  
\$E319: 9D DA E5        STA fE5DA,X  
\$E31C: 60            RTS  
  
\$E31D: 9D 1D E6        STA fE61D,X  
\$E320: 60            RTS  
  
\$E321: 8D 9C E6        STA aE69C  
\$E324: 60            RTS  
  
\$E325: 8D 9D E5        STA aE59D  
\$E328: 60            RTS  
  
\$E329: 18            CLC  
\$E32A: 7D E6 E5        ADC fE5E6,X  
\$E32D: 9D E6 E5        STA fE5E6,X  
\$E330: 60            RTS  
  
\$E331: 18            CLC  
\$E332: 6D 9D E6        ADC aE69D  
\$E335: 8D 9D E6        STA aE69D  
\$E338: 60            RTS  
  
\$E339: 9D B9 E5        STA fE5B9,X

\$E33C: 60        RTS

\$E33D: 48        PHA

\$E33E: 29 F8     AND #F8

\$E340: 4A        LSR

\$E341: 4A        LSR

\$E342: 4A        LSR

\$E343: 8D 9C E5    STA aE59C

\$E346: 68        PLA

\$E347: 29 07     AND #07

\$E349: 8D 9B E5    STA aE59B

\$E34C: 60        RTS

\$E34D: 9D B6 E5    STA fE5B6,X

\$E350: 60        RTS

\$E351: 9D C8 E5    STA fE5C8,X

\$E354: 60        RTS

\$E355: 9D CB E5    STA fE5CB,X

\$E358: 60        RTS

\$E359: 18        CLC

\$E35A: 7D CE E5    ADC fE5CE,X

\$E35D: 9D CE E5    STA fE5CE,X

\$E360: 60        RTS

\$E361: B9 AA E5    sE361   LDA fE5AA,Y

\$E364: D9 A7 E5        CMP fE5A7,Y

\$E367: 90 06        BCC bE36F

\$E369: B9 9E E5        LDA fE59E,Y

\$E36C: 4C 9F E4        JMP jE49F

\$E36F: 60        bE36F   RTS

\$E370: B9 C2 E5    sE370   LDA fE5C2,Y

\$E373: D0 FA        BNE bE36F

\$E375: B9 DA E5        LDA fE5DA,Y

\$E378: F0 31        BEQ bE3AB

\$E37A: B9 D7 E5        LDA fE5D7,Y

\$E37D: F0 1B        BEQ bE39A

\$E37F: BD 87 E6        LDA fE687,X

\$E382: 38        SEC

\$E383: F9 FB E5        SBC fE5FB,Y

\$E386: 9D 87 E6        STA fE687,X

\$E389: B0 2F        BCS bE3BA

\$E38B: DE 88 E6        DEC fE688,X

\$E38E: BD 88 E6        LDA fE688,X

\$E391: D9 DD E5        CMP fE5DD,Y

\$E394: B0 D9        BCS bE36F

\$E396: A9 00 LDA #\$00  
\$E398: F0 0D BEQ bE3A7  
\$E39A: 20 AB E3 bE39A JSR bE3AB  
\$E39D: BD 88 E6 LDA fe688,X  
\$E3A0: D9 DA E5 CMP fe5DA,Y  
\$E3A3: 90 CA BCC bE36F  
\$E3A5: A9 01 LDA #\$01  
\$E3A7: 99 D7 E5 bE3A7 STA fe5D7,Y  
\$E3AA: 60 RTS  
  
\$E3AB: BD 87 E6 bE3AB LDA fe687,X  
\$E3AE: 18 CLC  
\$E3AF: 79 FB E5 ADC fe5FB,Y  
\$E3B2: 9D 87 E6 STA fe687,X  
\$E3B5: 90 03 BCC bE3BA  
\$E3B7: FE 88 E6 INC fe688,X  
\$E3BA: 60 bE3BA RTS  
  
\$E3BB: C9 06 sE3BB CMP #\$06  
\$E3BD: 90 0F BCC bE3CE  
\$E3BF: B9 C5 E5 LDA fe5C5,Y  
\$E3C2: 29 01 AND #\$01  
\$E3C4: D0 22 BNE bE3E8  
\$E3C6: BD 8B E5 LDA fe58B,X  
\$E3C9: 38 SEC

\$E3CA: E9 05        SBC #\$05  
\$E3CC: 10 14        BPL bE3E2  
\$E3CE: B9 AA E5    bE3CE LDA fE5AA,Y  
\$E3D1: C9 02        CMP #\$02  
\$E3D3: 90 13        BCC bE3E8  
\$E3D5: BD 89 E5       LDA fE589,X  
\$E3D8: F0 05        BEQ bE3DF  
\$E3DA: D9 AA E5        CMP fE5AA,Y  
\$E3DD: 90 09        BCC bE3E8  
\$E3DF: BD 8B E5    bE3DF LDA fE58B,X  
\$E3E2: A8        bE3E2 TAY  
\$E3E3: B9 22 E6        LDA fE622,Y  
\$E3E6: D0 03        BNE bE3EB  
\$E3E8: BD 88 E5    bE3E8 LDA fE588,X  
\$E3EB: 9D 89 E6    bE3EB STA fE689,X  
\$E3EE: A4 05        LDY a05  
\$E3F0: 60        RTS  
  
\$E3F1: C9 01    sE3F1 CMP #\$01  
                  fE3F4 =\*+\$01  
\$E3F3: D0 16        BNE bE40B  
\$E3F5: B9 C5 E5        LDA fE5C5,Y  
\$E3F8: 29 01        AND #\$01  
\$E3FA: D0 25        BNE bE421  
\$E3FC: B9 A1 E5    bE3FC LDA fE5A1,Y

\$E3FF: 9D 86 E6      STA fE686,X

\$E402: B9 A4 E5      LDA fE5A4,Y

\$E405: 9D 85 E6      STA fE685,X

\$E408: 4C 1D E4      JMP jE41D

\$E40B: B9 B3 E5    bE40B   LDA fE5B3,Y

\$E40E: F0 11        BEQ bE421

\$E410: C9 01        CMP #01

\$E412: F0 E8        BEQ bE3FC

\$E414: B9 BF E5      LDA fE5BF,Y

\$E417: 9D 86 E6      STA fE686,X

\$E41A: B9 BC E5      LDA fE5BC,Y

\$E41D: 9D 85 E6    jE41D   STA fE685,X

\$E420: 60            RTS

\$E421: 4C 28 E5    bE421   JMP jE528

\$E424: B9 CB E5    sE424   LDA fE5CB,Y

\$E427: D0 06        BNE bE42F

\$E429: B9 AD E5      LDA fE5AD,Y

\$E42C: 99 B0 E5      STA fE5B0,Y

\$E42F: B9 D4 E5    bE42F   LDA fE5D4,Y

\$E432: C9 01        CMP #01

\$E434: F0 0A        BEQ bE440

\$E436: C9 02        CMP #02



\$E438: F0 18        BEQ bE452  
\$E43A: 20 71 E4        JSR sE471  
\$E43D: 4C 55 E4        JMP jE455  
  
\$E440: B9 B0 E5    bE440   LDA fe5B0,Y  
\$E443: 18            CLC  
\$E444: 79 CB E5        ADC fe5CB,Y  
\$E447: D9 AD E5        CMP fe5AD,Y  
\$E44A: 90 03            BCC bE44F  
\$E44C: B9 AD E5        LDA fe5AD,Y  
\$E44F: 99 B0 E5    bE44F   STA fe5B0,Y  
\$E452: 20 86 E4    bE452   JSR sE486  
\$E455: B9 D1 E5    jE455   LDA fe5D1,Y  
\$E458: 18            CLC  
\$E459: 69 01            ADC #\$01  
\$E45B: D9 1D E6        CMP fe61D,Y  
\$E45E: 90 0D            BCC bE46D  
\$E460: B9 D4 E5        LDA fe5D4,Y  
\$E463: 18            CLC  
\$E464: 69 01            ADC #\$01  
\$E466: 29 03            AND #\$03  
\$E468: 99 D4 E5        STA fe5D4,Y  
\$E46B: A9 00            LDA #\$00  
\$E46D: 99 D1 E5    bE46D   STA fe5D1,Y  
\$E470: 60            RTS

\$E471: BD 87 E5 sE471 LDA fE587,X

\$E474: 18 CLC

\$E475: 79 B0 E5 ADC fE5B0,Y

\$E478: 9D 87 E5 STA fE587,X

\$E47B: 9D 85 E6 STA fE685,X

\$E47E: BD 86 E5 LDA fE586,X

\$E481: 69 00 ADC #00

\$E483: 4C 98 E4 JMP jE498

\$E486: BD 87 E5 sE486 LDA fE587,X

\$E489: 38 SEC

\$E48A: F9 B0 E5 SBC fE5B0,Y

\$E48D: 9D 87 E5 STA fE587,X

\$E490: 9D 85 E6 STA fE685,X

\$E493: BD 86 E5 LDA fE586,X

\$E496: E9 00 SBC #00

\$E498: 9D 86 E5 jE498 STA fE586,X

\$E49B: 9D 86 E6 STA fE686,X

\$E49E: 60 bE49E RTS

\$E49F: C9 01 jE49F CMP #01

\$E4A1: D0 7C BNE bE51F

\$E4A3: B9 A1 E5 LDA fE5A1,Y

\$E4A6: DD 86 E5 CMP fE586,X

\$E4A9: 90 32      BCC bE4DD  
\$E4AB: D0 0A      BNE bE4B7  
\$E4AD: B9 A4 E5      LDA fE5A4,Y  
\$E4B0: DD 87 E5      CMP fE587,X  
\$E4B3: F0 E9      BEQ bE49E  
\$E4B5: 90 26      BCC bE4DD  
\$E4B7: 20 F6 E4    bE4B7    JSR sE4F6  
\$E4BA: BD 86 E5      LDA fE586,X  
\$E4BD: D9 A1 E5      CMP fE5A1,Y  
\$E4C0: F0 04      BEQ bE4C6  
\$E4C2: B0 0A      BCS bE4CE  
\$E4C4: 90 D8      BCC bE49E  
\$E4C6: BD 87 E5    bE4C6    LDA fE587,X  
\$E4C9: D9 A4 E5      CMP fE5A4,Y  
\$E4CC: 90 D0      BCC bE49E  
    pE4D0    =\*+\$02  
\$E4CE: B9 A4 E5    bE4CE    LDA fE5A4,Y  
\$E4D1: 9D 87 E5      STA fE587,X  
\$E4D4: B9 A1 E5      LDA fE5A1,Y  
\$E4D7: 9D 86 E5      STA fE586,X  
\$E4DA: 4C 28 E5      JMP jE528  
  
\$E4DD: 20 09 E5    bE4DD    JSR sE509  
\$E4E0: BD 86 E5      LDA fE586,X  
\$E4E3: D9 A1 E5      CMP fE5A1,Y

\$E4E6: F0 04        BEQ bE4EC  
\$E4E8: 90 E4        BCC bE4CE  
\$E4EA: B0 B2        BCS bE49E  
\$E4EC: BD 87 E5    bE4EC LDA fe587,X  
\$E4EF: D9 A4 E5        CMP fe5A4,Y  
\$E4F2: B0 AA        BCS bE49E  
\$E4F4: 90 D8        BCC bE4CE  
\$E4F6: BD 87 E5    sE4F6 LDA fe587,X  
\$E4F9: 18            CLC  
\$E4FA: 79 E9 E5        ADC fe5E9,Y  
\$E4FD: 9D 87 E5        STA fe587,X

      ; \$E500 (jmp) - returns the addr of I/O devices

\$E500: BD 86 E5    ROM\_IOBASEj LDA fe586,X

      ROM\_SCREENj    =\*+\$02

\$E503: 79 EC E5        ADC fe5EC,Y

\$E506: 4C 19 E5        JMP jE519

      ROM\_PLOTj      =\*+\$01

\$E509: BD 87 E5    sE509 LDA fe587,X

\$E50C: 38            SEC

\$E50D: F9 E9 E5        SBC fe5E9,Y

\$E510: 9D 87 E5        STA fe587,X

\$E513: BD 86 E5        LDA fe586,X

\$E516: F9 EC E5        SBC fe5EC,Y

\$E519: 9D 86 E5 jE519 STA fE586,X

\$E51C: 4C 28 E5 JMP jE528

\$E51F: C9 03 bE51F CMP #S03

\$E521: F0 E6 BEQ sE509

\$E523: C9 04 CMP #S04

\$E525: F0 CF BEQ sE4F6

\$E527: 60 RTS

\$E528: BD 86 E5 jE528 LDA fE586,X

\$E52B: 9D 86 E6 STA fE686,X

\$E52E: BD 87 E5 LDA fE587,X

\$E531: 9D 85 E6 STA fE685,X

\$E534: 60 RTS

\$E535: A2 07 sE535 LDX #S07

\$E537: C9 8C jE537 CMP #S8C

\$E539: 90 06 BCC bE541

\$E53B: E9 0C SBC #S0C

\$E53D: CA DEX

\$E53E: 4C 37 E5 JMP jE537

\$E541: E9 7F bE541 SBC #S7F

\$E543: 0A ASL

\$E544: A8 TAY

\$E545: B9 28 E6 LDA fE628,Y  
\$E548: 8D 12 E6 STA aE612  
\$E54B: B9 29 E6 LDA fE629,Y  
\$E54E: 8D 13 E6 STA aE613  
\$E551: E0 00 CPX #00  
\$E553: F0 1D BEQ bE572  
\$E555: 4E 12 E6 bE555 LSR aE612  
\$E558: 6E 13 E6 ROR aE613  
\$E55B: CA DEX  
\$E55C: D0 F7 BNE bE555  
\$E55E: A6 05 LDX a05  
\$E560: A4 04 LDY a04  
\$E562: AD 13 E6 LDA aE613  
\$E565: 18 CLC  
\$E566: 7D C8 E5 ADC fE5C8,X  
\$E569: 8D 13 E6 STA aE613  
\$E56C: 90 03 BCC bE571  
\$E56E: EE 12 E6 INC aE612  
\$E571: 60 bE571 RTS  
  
\$E572: A4 04 bE572 LDY a04  
\$E574: A6 05 LDX a05  
\$E576: 60 RTS  
  
\$E577: A5 02 sE577 LDA a02

\$E579: 18 CLC  
\$E57A: 69 02 ADC #\$02  
\$E57C: 85 02 STA a02  
\$E57E: 90 02 BCC bE582  
\$E580: E6 03 INC a03  
\$E582: 60 bE582 RTS

fE584 =\*+\$01

\$E583: 00 00 BRK #\$00

fE586 =\*+\$01

\$E585: 00 00 aE585 BRK #\$00

fE588 =\*+\$01

\$E587: 00 41 fE587 BRK #\$41

fE58A =\*+\$01

\$E589: 00 00 fE589 BRK #\$00

fE58C =\*+\$01

\$E58B: 00 00 fE58B BRK #\$00

\$E58D: 0B 9D ANC #\$9D

\$E58F: 41 00 EOR (p00,X)

\$E591: 00 00 BRK #\$00

\$E593: 00 00 BRK #\$00

\$E595: 00 00 BRK #\$00

\$E597: 00 00 BRK #\$00

fE59A =\*+\$01

\$E599: 00 00 BRK #\$00

aE59C =\*+\$01  
\$E59B: 00 00 aE59B BRK # \$00  
fe59E =\*+\$01  
\$E59D: 00 00 aE59D BRK # \$00  
\$E59F: 00 00 BRK # \$00  
\$E5A1: 00 00 fe5A1 BRK # \$00  
fe5A4 =\*+\$01  
\$E5A3: 00 00 BRK # \$00  
\$E5A5: 00 00 BRK # \$00  
\$E5A7: 00 00 fe5A7 BRK # \$00  
fe5AA =\*+\$01  
\$E5A9: 00 00 BRK # \$00  
\$E5AB: 0A ASL  
\$E5AC: 02 JAM  
\$E5AD: 00 1E fe5AD BRK # \$1E  
fe5B0 =\*+\$01  
\$E5AF: 00 00 BRK # \$00  
fe5B3 =\*+\$02  
\$E5B1: 1E 00 00 ASL e0000,X  
\$E5B4: 01 02 ORA (p02,X)  
\$E5B6: 00 00 fe5B6 BRK # \$00  
fe5B9 =\*+\$01  
\$E5B8: 00 00 BRK # \$00  
\$E5BA: 00 00 BRK # \$00  
\$E5BC: 00 00 fe5BC BRK # \$00



fE5BF =\*+\$01

\$E5BE: 00 00 BRK # \$00

\$E5C0: 00 00 BRK # \$00

\$E5C2: 00 00 fE5C2 BRK # \$00

fE5C5 =\*+\$01

\$E5C4: 00 00 BRK # \$00

\$E5C6: 0A ASL

\$E5C7: 02 JAM

\$E5C8: 00 00 fE5C8 BRK # \$00

fE5CB =\*+\$01

\$E5CA: 1E 00 00 ASL e0000,X

fE5CE =\*+\$01

\$E5CD: 00 00 BRK # \$00

\$E5CF: 00 00 BRK # \$00

\$E5D1: 00 00 fE5D1 BRK # \$00

fE5D4 =\*+\$01

\$E5D3: 00 00 BRK # \$00

\$E5D5: 02 JAM

fE5D7 =\*+\$01

\$E5D6: 00 00 BRK # \$00

\$E5D8: 00 00 BRK # \$00

\$E5DA: 00 00 fE5DA BRK # \$00

fE5DD =\*+\$01

\$E5DC: 00 00 BRK # \$00

\$E5DE: 00 00 BRK # \$00

\$E5E0: 00 00 fE5E0 BRK # \$00  
fE5E3 =\*+\$01  
\$E5E2: 01 00 bE5E2 ORA (p00,X)  
\$E5E4: 00 00 BRK # \$00  
\$E5E6: 06 06 fE5E6 ASL a06  
fE5E9 =\*+\$01  
\$E5E8: 06 00 ASL a00  
\$E5EA: 00 00 BRK # \$00  
\$E5EC: 00 00 fE5EC BRK # \$00  
fE5EF =\*+\$01  
\$E5EE: 00 2C BRK # \$2C  
\$E5F0: 43 43 SRE (p43,X)  
fE5F3 =\*+\$01  
\$E5F2: 41 41 fE5F2 EOR (p41,X)  
fE5F5 =\*+\$01  
\$E5F4: 00 02 BRK # \$02  
\$E5F6: 02 JAM  
fE5F8 =\*+\$01  
\$E5F7: 01 18 ORA (p18,X)  
\$E5F9: 35 35 AND f35,X  
\$E5FB: 14 96 fE5FB NOP f96,X  
\$E5FD: 32 JAM  
\$E5FE: 00 00 fE5FE BRK # \$00  
fE601 =\*+\$01  
\$E600: FE 00 00 INC e0000,X

fE604 =\*+\$01

\$E603: C7 18 DCP a18

\$E605: 60 RTS

\$E606: 8A TXA

\$E607: EA fE607 NOP

\$E608: EA NOP

\$E609: EA NOP

\$E60A: 0B 65 fE60A ANC #65

\$E60C: 1A NOP

\$E60D: 8E 8F 13 fE60D STX a138F

aE612 =\*+\$02

\$E610: FF 00 00 aE610 ISC e0000,X

fE614 =\*+\$01

\$E613: 00 01 aE613 BRK #65

\$E615: 06 FC ASL aFC

\$E617: EA fE617 NOP

\$E618: EA NOP

\$E619: EA NOP

\$E61A: 40 fE61A RTI

\$E61B: 62 JAM

fE61D =\*+\$01

\$E61C: 8C 01 01 STY a0101

fE620 =\*+\$01

\$E61F: 01 00      ORA (p00,X)  
                  fE622 =\*+\$01  
\$E621: 07 0E      SLO a0E  
\$E623: 41 21      EOR (p21,X)  
\$E625: 11 81      ORA (p81),Y  
                  fE628 =\*+\$01  
\$E627: 51 83    bE627 EOR (p83),Y  
\$E629: 68      fE629 PLA  
\$E62A: 8B 39      XAA #\$39  
\$E62C: 93 80      AHX (p80),Y  
\$E62E: 9C 45 A5    SHY fA545,X  
\$E631: 90 AF      BCC bE5E2  
\$E633: 69 B9      ADC #\$B9  
\$E635: D7 C4      DCP fC4,X  
\$E637: E3 D0      ISC (pD0,X)  
\$E639: 99 DD 00    STA f0DD,Y  
\$E63C: EA        NOP  
\$E63D: 25 F8      AND aF8  
                  fE640 =\*+\$01  
\$E63F: 10 04      BPL bE645  
\$E641: 02      aE641 JAM  
\$E642: 02      aE642 JAM  
                  fE644 =\*+\$01  
\$E643: 50 E2    fE643 BVC bE627  
\$E645: 58      bE645 CLI

\$E646: E2 54	NOP #54
\$E648: E2 D6	NOP #D6
\$E64A: E2 DA	NOP #DA
\$E64C: E2 E9	NOP #E9
\$E64E: E2 ED	NOP #ED
\$E650: E2 FC	NOP #FC
\$E652: E2 08	NOP #08
\$E654: E3 5C	ISC (p5C,X)
\$E656: E2 04	NOP #04
\$E658: E3 CE	ISC (pCE,X)
\$E65A: E2 D2	NOP #D2
\$E65C: E2 CA	NOP #CA
\$E65E: E2 00	NOP #00
\$E660: E3 60	ISC (p60,X)
\$E662: E2 88	NOP #88
\$E664: E2 93	NOP #93
\$E666: E2 BB	NOP #BB
\$E668: E2 C6	NOP #C6
\$E66A: E2 0C	NOP #0C
\$E66C: E3 1D	ISC (p1D,X)
\$E66E: E3 21	ISC (p21,X)
\$E670: E3 25	ISC (p25,X)
\$E672: E3 59	ISC (p59,X)
\$E674: E3 29	ISC (p29,X)
\$E676: E3 31	ISC (p31,X)

\$E678: E3 39        ISC (p39,X)

\$E67A: E3 3D        ISC (p3D,X)

\$E67C: E3 3B        ISC (p3B,X)

\$E67E: E2 4D        NOP # \$4D

\$E680: E3 51        ISC (p51,X)

\$E682: E3 55        ISC (p55,X)

    fE685 =\*+\$01

\$E684: E3 00        ISC (p00,X)

    fE687 =\*+\$01

\$E686: 00 00    fE686 BRK # \$00

\$E688: 02        fE688 JAM

    fE68A =\*+\$01

\$E689: 41 18    fE689 EOR (p18,X)

\$E68B: 2C 9D 0B fE68B BIT a0B9D

\$E68E: 96 00        STX f00,Y

\$E690: 00 00        BRK # \$00

\$E692: 00 00        BRK # \$00

\$E694: 00 00        BRK # \$00

\$E696: 00 00        BRK # \$00

\$E698: 00 00        BRK # \$00

    aE69B =\*+\$01

\$E69A: 00 00    aE69A BRK # \$00

    aE69D =\*+\$01

\$E69C: 00 03    aE69C BRK # \$03

\$E69E: 00 06    aE69E BRK # \$06

\$E6A0: 75 4C	ADC f4C,X
\$E6A2: BE 47 00	LDX f0047,Y
\$E6A5: F7 00	ISC f00,X
\$E6A7: FF 00 FF	ISC fff00,X
\$E6AA: 00 FF	BRK #\$FF
\$E6AC: 66 00	ROR a00
\$E6AE: 00 50	BRK #\$50
\$E6B0: 49 4E	EOR #\$4E
\$E6B2: 4B 59	ALR #\$59
\$E6B4: 00 FF	BRK #\$FF
\$E6B6: 00 FF	BRK #\$FF
\$E6B8: 00 FF	BRK #\$FF
\$E6BA: 00 FF	BRK #\$FF
\$E6BC: 00 FF	BRK #\$FF
\$E6BE: 00 00	BRK #\$00
\$E6C0: FF FF 00	ISC e00FF,X
\$E6C3: FF 00 FF	ISC fff00,X
\$E6C6: 00 FD	BRK #\$FD
\$E6C8: 00 FF	BRK #\$FF
\$E6CA: 00 FF	BRK #\$FF
\$E6CC: 00 FF	BRK #\$FF
\$E6CE: 00 FF	BRK #\$FF
\$E6D0: 00 FF	BRK #\$FF
\$E6D2: 00 FF	BRK #\$FF
\$E6D4: 00 FF	BRK #\$FF

\$E6D6: 00 FF BRK #\$FF

\$E6D8: 00 BF BRK #\$BF

\$E6DA: 00 FF BRK #\$FF

\$E6DC: 00 FB BRK #\$FB

\$E6DE: 00 7F BRK #\$7F

\$E6E0: 00 4E BRK #\$4E

\$E6E2: 45 2D EOR a2D

pE6E6 =\*+\$02

\$E6E4: 4F 4E 45 SRE a454E

\$E6E7: 3D 04 A2 AND fa204,X

bE6EB =\*+\$01

\$E6EA: E9 BD SBC #\$BD

\$E6EC: 32 JAM

\$E6ED: 08 PHP

\$E6EE: 9D FF 00 STA e00FF,X

\$E6F1: CA DEX

\$E6F2: D0 F7 BNE bE6EB

\$E6F4: 78 SEI

\$E6F5: 86 01 STX a01

\$E6F7: CA DEX

\$E6F8: 9A TXS

\$E6F9: 4C 00 01 JMP a0100

\$E6FC: A0 00 LDY #\$00

\$E6FE: 84 FD STY aFD



\$E700: 84 FE	STY aFE
\$E702: A9 EC	LDA #<p1FEC
\$E704: A2 1F	LDX #>p1FEC
\$E706: 85 AE	STA aAE
\$E708: 86 AF	STX aAF
\$E70A: A9 1C	LDA #<p091C
\$E70C: A2 09	LDX #>p091C
\$E70E: 85 AC	STA aAC
\$E710: 86 AD	STX aAD
\$E712: 20 81 01	JSR s0181
\$E715: A9 01	LDA #<p0801
\$E717: A2 08	LDX #>p0801
\$E719: 85 AE	STA aAE
\$E71B: 86 AF	STX aAF
\$E71D: B1 FD	bE71D LDA (pFD),Y
\$E71F: C9 A1	CMP #A1
\$E721: D0 10	BNE bE733
\$E723: A9 00	LDA #A0
\$E725: 48	PHA
\$E726: 20 A2 01	bE726 JSR s01A2
\$E729: AA	TAX
\$E72A: 68	PLA
\$E72B: 20 A8 01	bE72B JSR s01A8
\$E72E: CA	DEX
\$E72F: D0 FA	BNE bE72B

\$E731: F0 0D        BEQ bE740  
\$E733: C9 3B    bE733    CMP #3B  
\$E735: D0 06        BNE bE73D  
\$E737: 20 A2 01        JSR s01A2  
\$E73A: 48            PHA  
\$E73B: D0 E9        BNE bE726  
\$E73D: 20 A8 01    bE73D    JSR s01A8  
\$E740: 20 B1 01    bE740    JSR s01B1  
\$E743: D0 D8        BNE bE71D  
\$E745: AE B8 01        LDX a01B8  
\$E748: CA            DEX  
\$E749: 30 24        BMI bE76F  
\$E74B: BD B9 01        LDA f01B9,X  
\$E74E: 85 FE        STA aFE  
\$E750: 85 2E        STA a2E  
\$E752: CA            DEX  
\$E753: BD B9 01        LDA f01B9,X  
\$E756: 85 FD        STA aFD  
\$E758: 85 2D        STA a2D  
\$E75A: CA            DEX  
\$E75B: BD B9 01        LDA f01B9,X  
\$E75E: 85 AD        STA aAD  
\$E760: CA            DEX  
\$E761: BD B9 01        LDA f01B9,X  
\$E764: 85 AC        STA aAC

\$E766: 8E B8 01 STX a01B8

\$E769: 20 81 01 JSR s0181

\$E76C: 4C 49 01 JMP j0149

\$E76F: A9 37 bE76F LDA #S37

\$E771: 85 01 STA a01

\$E773: 29 06 AND #S06

\$E775: C9 06 CMP #S06

\$E777: D0 01 BNE bE77A

\$E779: 58 CLI

\$E77A: 4C 00 28 bE77A JMP j2800

\$E77D: A5 FD bE77D LDA aFD

\$E77F: D0 02 BNE bE783

\$E781: C6 FE DEC aFE

\$E783: C6 FD bE783 DEC aFD

\$E785: A5 AE LDA aAE

\$E787: D0 02 BNE bE78B

\$E789: C6 AF DEC aAF

\$E78B: C6 AE bE78B DEC aAE

\$E78D: B1 AE LDA (pAE),Y

\$E78F: 91 FD STA (pFD),Y

\$E791: A5 AE LDA aAE

\$E793: C5 AC CMP aAC

\$E795: D0 E6 BNE bE77D

\$E797: A5 AF	LDA aAF
\$E799: C5 AD	CMP aAD
\$E79B: D0 E0	BNE bE77D
\$E79D: 60	RTS
\$E79E: 20 B1 01	JSR s01B1
\$E7A1: B1 FD	LDA (pFD),Y
\$E7A3: 60	RTS
\$E7A4: 91 AE	STA (pAE),Y
\$E7A6: E6 AE	INC aAE
\$E7A8: D0 02	BNE bE7AC
\$E7AA: E6 AF	INC aAF
\$E7AC: 60	bE7AC RTS
\$E7AD: E6 FD	INC aFD
\$E7AF: D0 02	BNE bE7B3
\$E7B1: E6 FE	INC aFE
\$E7B3: 60	bE7B3 RTS
\$E7B4: 08	PHP
\$E7B5: 01 08	ORA (p08,X)
\$E7B7: EB 3A	SBC #3A
\$E7B9: EB 3A	SBC #3A
\$E7BB: 40	RTI

\$E7BC: ED D6 03	SBC a03D6
\$E7BF: 1F 00 A9	SLO fA900,X
\$E7C2: 00 20	BRK # \$20
\$E7C4: 71 A8	ADC (pA8),Y
\$E7C6: 4C AE A7	JMP jA7AE
\$E7C9: 00 00	BRK # \$00
\$E7CB: C2 07	NOP # \$07
\$E7CD: 9E 32 30	STX f3032,Y
\$E7D0: 38	SEC
\$E7D1: 38	SEC
\$E7D2: 20 A9 34	JSR s34A9
\$E7D5: 85 01	STA a01
\$E7D7: 4C 00 ED	JMP jED00
\$E7DA: 41 A9	EOR (pA9,X)
\$E7DC: 37 85	RLA f85,X
\$E7DE: 01 4C	ORA (p4C,X)
\$E7E0: 00 80	BRK # \$80
\$E7E2: A1 03	LDA (p03,X)
\$E7E4: 78	SEI
\$E7E5: A9 34	LDA # \$34
\$E7E7: 85 01	STA a01
\$E7E9: 4C 00 00	JMP e0000

\$E7EC: 20 20 20	JSR a2020
\$E7EF: 78	SEI
\$E7F0: A9 34	LDA #\$34
\$E7F2: 85 01	STA a01
\$E7F4: A0 00	LDY #\$00
\$E7F6: C6 A9	DEC aA9
\$E7F8: 41 8D	EOR (p8D,X)
\$E7FA: 4F 08 60	SRE a6008
\$E7FD: A1 0A	LDA (p0A,X)
\$E7FF: EE 0E 00	INC a000E
\$E802: 80 00	NOP #\$00
\$E804: 01 0F	ORA (p0F,X)
\$E806: 00 01	BRK #\$01
\$E808: 00 10	BRK #\$10
\$E80A: 19 05 00	ORA f0005,Y
\$E80D: 01 00	ORA (p00,X)
\$E80F: 01 1E	ORA (p1E,X)
\$E811: 01 00	ORA (p00,X)
\$E813: 01 03	ORA (p03,X)
\$E815: 51 0A	EOR (p0A),Y
\$E817: 0D 04 05	ORA a0504
\$E81A: 11 00	ORA (p00),Y
\$E81C: 02	JAM
\$E81D: 19 8E 28	ORA f288E,Y

\$E820: 02	JAM
\$E821: 45 8E	EOR a8E
\$E823: 28	PLP
\$E824: 8E 28 8E	STX a8E28
\$E827: 1E 8E 0A	ASL f0A8E,X
\$E82A: 10 02	BPL bE82E
\$E82C: 11 00	ORA (p00),Y
\$E82E: 02	bE82E JAM
\$E82F: 19 8E 24	ORA f248E,Y
\$E832: 02	JAM
\$E833: 45 8E	EOR a8E
\$E835: 24 8E	BIT a8E
\$E837: 24 8E	BIT a8E
\$E839: 1B 8E 09	SLO f098E,Y
\$E83C: 10 02	BPL bE840
\$E83E: 11 00	ORA (p00),Y
\$E840: 02	bE840 JAM
\$E841: 19 8E 20	ORA f208E,Y
\$E844: 02	JAM
\$E845: 45 8E	EOR a8E
\$E847: 20 8E 20	JSR f208E
\$E84A: 8E 18 8E	STX a8E18
\$E84D: 08	PHP
\$E84E: 10 02	BPL bE852
\$E850: 11 00	ORA (p00),Y

\$E852: 02      bE852 JAM  
\$E853: 19 8E 1C      ORA f1C8E,Y  
\$E856: 02      JAM  
\$E857: 45 8E      EOR a8E  
\$E859: 1C 8E 1C      NOP f1C8E,X  
\$E85C: 8E 15 8E      STX a8E15  
\$E85F: 07 10      SLO a10  
\$E861: 02      JAM  
\$E862: 02      JAM  
\$E863: 19 8E 1A      ORA f1A8E,Y  
\$E866: 02      JAM  
\$E867: 45 8E      EOR a8E  
\$E869: 1A      NOP  
\$E86A: 8E 1A 8E      STX a8E1A  
\$E86D: 14 8E      NOP f8E,X  
\$E86F: 06 02      ASL a02  
\$E871: 19 8E 1A      ORA f1A8E,Y  
\$E874: 02      JAM  
\$E875: 45 8E      EOR a8E  
\$E877: 1A      NOP  
\$E878: 8E 1A 8E      STX a8E1A  
\$E87B: 1A      NOP  
\$E87C: 11 01      ORA (p01),Y  
\$E87E: 00 FE      BRK #FE

bE881 =\*+\$01



\$E880: 10 FF	BPL bE881
\$E882: 00 01	BRK #01
\$E884: 00 01	BRK #01
\$E886: 03 11	SLO (p11,X)
\$E888: 02	JAM
\$E889: 05 0A	ORA a0A
\$E88B: 25 0B	AND a0B
\$E88D: B4 00	LDY f00,X
\$E88F: 0A	ASL
\$E890: C5 0A	CMP a0A
\$E892: CD 0A CE	CMP aCE0A
\$E895: 0A	ASL
\$E896: C5 0A	CMP a0A
\$E898: CC 0A CD	CPY aCD0A
\$E89B: 0A	ASL
\$E89C: C5 0A	CMP a0A
\$E89E: C9 0A	CMP #0A
\$E8A0: C5 0A	CMP a0A
\$E8A2: C4 0A	CPY a0A
\$E8A4: C3 0A	DCP (p0A,X)
\$E8A6: CA	DEX
\$E8A7: 0A	ASL
\$E8A8: C5 0A	CMP a0A
\$E8AA: C6 0A	DEC a0A
\$E8AC: C3 0A	DCP (p0A,X)

\$E8AE: C1 0A	CMP (p0A,X)
\$E8B0: BE 0A C3	LDX fc30A,Y
\$E8B3: 0A	ASL
\$E8B4: BE 0A C2	LDX fc20A,Y
\$E8B7: 0A	ASL
\$E8B8: C3 0A	DCP (p0A,X)
\$E8BA: C2 0A	NOP #0A
\$E8BC: B9 0A BD	LDA fBD0A,Y
\$E8BF: 0A	ASL
\$E8C0: BE 0A B9	LDX fB90A,Y
\$E8C3: 0A	ASL
\$E8C4: BD 0A BB	LDA fBB0A,X
\$E8C7: 0A	ASL
\$E8C8: BE 0A BA	LDX aBA0A,Y
\$E8CB: 0A	ASL
\$E8CC: BD 0A C1	LDA fC10A,X
\$E8CF: 09 BC	ORA #09BC
\$E8D1: 09 C3	ORA #09C3
\$E8D3: 09 BF	ORA #09BF
\$E8D5: 09 C5	ORA #09C5
\$E8D7: 09 C1	ORA #09C1
\$E8D9: 09 C3	ORA #09C3
\$E8DB: 09 C5	ORA #09C5
\$E8DD: 09 C7	ORA #09C7
\$E8DF: 09 C3	ORA #09C3

\$E8E1: 09 C9	ORA #C9
\$E8E3: 09 C5	ORA #C5
\$E8E5: 09 CC	ORA #CC
\$E8E7: 09 C9	aE8E7 ORA #C9
\$E8E9: 09 C5	ORA #C5
\$E8EB: 09 C2	ORA #C2
\$E8ED: 09 CA	bE8ED ORA #CA
\$E8EF: 09 CC	ORA #CC
\$E8F1: 09 CE	ORA #CE
\$E8F3: 09 CF	ORA #CF
\$E8F5: 09 D1	ORA #D1
\$E8F7: 09 CE	bE8F7 ORA #CE
\$E8F9: 09 CA	ORA #CA
\$E8FB: 09 C6	bE8FB ORA #C6
\$E8FD: 09 C5	ORA #C5
\$E8FF: 12	JAM
\$E900: D1 12	CMP (p12),Y
\$E902: C5 12	CMP a12
\$E904: D1 12	CMP (p12),Y
\$E906: 00 08	BRK #08
\$E908: C1 08	CMP (p08,X)
\$E90A: CA	DEX
\$E90B: 08	PHP
\$E90C: C0 08	CPY #08
\$E90E: C1 08	CMP (p08,X)

\$E910: C6 08	DEC a08
\$E912: C1 08	CMP (p08,X)
\$E914: BE 08 BD	LDX fBD08,Y
\$E917: 08	PHP
\$E918: B9 08 C5	LDA sC508,Y
\$E91B: 08	PHP
\$E91C: C3 08	DCP (p08,X)
\$E91E: C1 08	CMP (p08,X)
\$E920: BD 08 B8	LDA fB808,X
\$E923: 08	PHP
\$E924: B9 08 BE	LDA fBE08,Y
\$E927: 08	PHP
\$E928: B7 08	LAX f08,Y
\$E92A: B9 08 B7	LDA fB708,Y
\$E92D: 08	PHP
\$E92E: B6 08	LDX f08,Y
\$E930: B4 08	LDY f08,X
\$E932: B6 08	LDX f08,Y
\$E934: B4 08	LDY f08,X
\$E936: B2	JAM
\$E937: 10 BE	BPL bE8F7
\$E939: 10 B2	BPL bE8ED
\$E93B: 10 BE	BPL bE8FB
\$E93D: 10 00	BPL bE93F
\$E93F: 07 BE	bE93F SLO aBE

\$E941: 07 C5	SLO aC5
\$E943: 07 C4	SLO aC4
\$E945: 07 C5	SLO aC5
\$E947: 07 C9	SLO aC9
\$E949: 09 CD	ORA #CD
\$E94B: 07 D1	SLO aD1
\$E94D: 07 C9	SLO aC9
\$E94F: 07 C5	SLO aC5
\$E951: 07 CD	SLO aCD
\$E953: 07 CC	SLO aCC
\$E955: 07 C9	SLO aC9
\$E957: 07 CC	SLO aCC
\$E959: 07 C9	SLO aC9
\$E95B: 07 CF	SLO aCF
\$E95D: 07 CC	SLO aCC
\$E95F: 07 CD	SLO aCD
\$E961: 07 C9	SLO aC9
\$E963: 07 C5	SLO aC5
\$E965: 07 CA	SLO aCA
\$E967: 07 C5	SLO aC5
\$E969: 07 CC	SLO aCC
\$E96B: 07 C5	SLO aC5
\$E96D: 07 CD	SLO aCD
\$E96F: 07 CC	SLO aCC
\$E971: 07 CD	SLO aCD

\$E973: 07 D2	SLO aD2
\$E975: 07 D6	SLO aD6
\$E977: 0E D5 07	ASL a07D5
\$E97A: D6 07	DEC f07,X
\$E97C: D8	CLD
\$E97D: 07 D9	SLO aD9
\$E97F: 06 DA	ASL aDA
\$E981: 07 DD	SLO aDD
\$E983: 06 DA	ASL aDA
\$E985: 07 D6	SLO aD6
\$E987: 06 D1	ASL aD1
\$E989: 07 CE	SLO aCE
\$E98B: 06 CF	ASL aCF
\$E98D: 07 D1	SLO aD1
\$E98F: 06 CE	ASL aCE
\$E991: 07 CA	SLO aCA
\$E993: 06 D6	ASL aD6
\$E995: 07 CB	SLO aCB
\$E997: 06 CF	ASL aCF
\$E999: 07 D2	SLO aD2
\$E99B: 06 CD	ASL aCD
\$E99D: 07 CF	SLO aCF
\$E99F: 06 D2	ASL aD2
\$E9A1: 07 CF	SLO aCF
\$E9A3: 06 D2	ASL aD2

\$E9A5: 07 D7	SLO aD7
\$E9A7: 06 D2	ASL aD2
\$E9A9: 07 DB	SLO aDB
\$E9AB: 06 DA	ASL aDA
\$E9AD: 07 D6	SLO aD6
\$E9AF: 06 D1	ASL aD1
\$E9B1: 07 CF	SLO aCF
\$E9B3: 06 CE	ASL aCE
\$E9B5: 1A	NOP
\$E9B6: 11 01	ORA (p01),Y
\$E9B8: 00 FE	BRK #xFE
	bE9BB =*+\$01
\$E9BA: 10 FF	BPL bE9BB
\$E9BC: 00 01	BRK # \$01
	bE9BF =*+\$01
\$E9BE: A9 01	LDA # \$01
\$E9C0: A2 4F	LDX # \$4F
\$E9C2: A0 08	LDY # \$08
\$E9C4: 20 BD FF	JSR ROM_SETNAM ;\$FFBD - set file name
\$E9C7: A9 00	LDA # \$00
\$E9C9: 20 D5 FF	JSR ROM_LOAD ;\$FFD5 - load after call SETLFS,SETNAM
\$E9CC: 68	PLA
\$E9CD: 8D 1A D0	STA \$D01A ;VIC Interrupt Mask Register (IMR)
\$E9D0: 68	PLA
\$E9D1: 8D 19 D0	STA \$D019 ;VIC Interrupt Request Register (IRR)

\$E9D4: 68 PLA  
\$E9D5: 8D 15 03 STA a0315 ;IRQ  
\$E9D8: 68 PLA  
\$E9D9: 8D 14 03 STA a0314 ;IRQ  
\$E9DC: 68 PLA  
\$E9DD: 85 01 STA a01  
\$E9DF: A2 00 LDX #00  
\$E9E1: BD 00 09 bE9E1 LDA f0900,X  
\$E9E4: 95 90 STA f90,X  
\$E9E6: E8 INX  
\$E9E7: E0 20 CPX #20  
\$E9E9: D0 F6 BNE bE9E1  
\$E9EB: 58 CLI  
\$E9EC: 60 RTS  
  
\$E9ED: A1 00 LDA (p00,X)  
\$E9EF: A1 00 LDA (p00,X)  
\$E9F1: A1 00 LDA (p00,X)  
\$E9F3: A1 00 LDA (p00,X)  
\$E9F5: A1 00 LDA (p00,X)  
\$E9F7: A1 00 LDA (p00,X)  
\$E9F9: A1 00 LDA (p00,X)  
\$E9FB: A1 00 LDA (p00,X)  
\$E9FD: A1 00 LDA (p00,X)

fEA00 =\*+\$01



\$E9FF: A1 3A	LDA (p3A,X)
\$EA01: 00 64	BRK #64
\$EA03: 00 01	BRK #01
\$EA05: 0F 00 01	SLO a0100
\$EA08: 05 69	ORA a69
\$EA0A: 03 41	SLO (p41,X)
\$EA0C: 02	JAM
\$EA0D: 18	CLC
\$EA0E: 0A	ASL
\$EA0F: 2C 05 68	BIT a6805
\$EA12: 04 02	NOP a02
\$EA14: 0E 14 14	ASL a1414
\$EA17: 06 11	ASL a11
\$EA19: 00 93	BRK #93
\$EA1B: 08	PHP
\$EA1C: 96 08	STX f08,Y
\$EA1E: 98	TYA
\$EA1F: 08	bEA1F PHP
\$EA20: 98	TYA
\$EA21: 08	PHP
\$EA22: 96 08	fEA22 STX f08,Y
\$EA24: 98	TYA
\$EA25: 10 98	BPL bE9BF
\$EA27: 08	PHP
\$EA28: 1B FA 10	SLO f10FA,Y

\$EA2B: 02	JAM
\$EA2C: 93 08	AHX (p08),Y
\$EA2E: 96 08	STX f08,Y
\$EA30: 98	TYA
\$EA31: 08	pEA31 PHP
\$EA32: 98	TYA
\$EA33: 08	PHP
\$EA34: 96 08	STX f08,Y
\$EA36: 98	TYA
\$EA37: 18	CLC
\$EA38: 00 01	BRK #01
\$EA3A: 00 01	BRK #01
\$EA3C: 1E 01 00	ASL p01,X
\$EA3F: 01 14	ORA (p14,X)
\$EA41: 06 03	ASL a03
\$EA43: 41 04	EOR (p04,X)
\$EA45: 02	JAM
\$EA46: 0E 96 02	ASL a0296
\$EA49: 35 0B	AND f0B,X
\$EA4B: 1E 0A 43	ASL f430A,X
\$EA4E: 00 08	BRK #08
\$EA50: 11 00	ORA (p00),Y
\$EA52: AE 08 B0	LDX aB008
\$EA55: 08	PHP
\$EA56: A9 08	LDA #08

\$EA58: AB 08	LAX #08
\$EA5A: A4 10	LDY a10
\$EA5C: A4 10	LDY a10
\$EA5E: 10 03	BPL bEA63
\$EA60: 11 01	ORA (p01),Y
	bEA63 =*+\$01
\$EA62: 00 FE	BRK #FE
	bEA65 =*+\$01
\$EA64: 10 FF	BPL bEA65
\$EA66: 00 01	BRK #01
\$EA68: 00 01	BRK #01
\$EA6A: 03 00	SLO (p00,X)
\$EA6C: 02	JAM
\$EA6D: 35 0A	AND f0A,X
\$EA6F: 43 04	SRE (p04,X)
\$EA71: 01 0E	ORA (p0E,X)
\$EA73: 32	JAM
\$EA74: 14 06	NOP f06,X
\$EA76: 20 1E 11	JSR s111E
\$EA79: 00 93	BRK #93
\$EA7B: 08	PHP
\$EA7C: 96 08	STX f08,Y
\$EA7E: 98	TYA
\$EA7F: 08	PHP
\$EA80: 98	TYA

\$EA81: 08 PHP  
\$EA82: 96 08 STX f08,Y  
\$EA84: 98 TYA  
\$EA85: 10 98 BPL bEA1F

; \$EA87 (jmp) - scan keyboard

\$EA87: 08 ROM\_SCNKEYj PHP  
\$EA88: 10 03 BPL bEA8D  
\$EA8A: 11 01 ORA (p01),Y  
bEA8D =\*+\$01  
\$EA8C: 00 FE BRK #\$FE  
bEA8F =\*+\$01  
\$EA8E: 10 FF BPL bEA8F  
\$EA90: 00 01 BRK #\$01  
\$EA92: A7 00 LAX a00  
\$EA94: E0 00 CPX #\$00  
\$EA96: E0 00 CPX #\$00  
\$EA98: F0 00 BEQ bEA9A  
\$EA9A: F0 0A bEA9A BEQ bEAA6  
\$EA9C: A8 TAY  
\$EA9D: B9 44 26 LDA f2644,Y  
\$EAA0: 8D 96 20 STA a2096  
\$EAA3: B9 45 26 LDA f2645,Y  
\$EAA6: 8D 97 20 bEAA6 STA a2097  
\$EAA9: A0 01 LDY #\$01

\$EAAB: B1 B0	LDA (pB0),Y
\$EAAD: A4 B2	LDY aB2
\$EAAF: A6 B3	LDX aB3
\$EAB1: 20 00 00	JSR e0000
\$EAB4: 20 78 25	JSR s2578
\$EAB7: 4C 74 20	JMP j2074
\$EABA: A6 B2	LDX aB2
\$EABC: A4 B3	LDY aB3
\$EABE: BD 87 25	LDA f2587,X
\$EAC1: F0 28	BEQ bEAEB
\$EAC3: B9 9F 25	LDA f259F,Y
\$EAC6: F0 03	BEQ bEACB
\$EAC8: 20 62 23	JSR s2362
\$EACB: B9 AE 25	bEACB LDA f25AE,Y
\$EACE: F0 03	BEQ bEAD3
\$EAD0: 20 25 24	JSR s2425
\$EAD3: BD 8C 25	bEAD3 LDA f258C,X
\$EAD6: F0 03	BEQ bEADB
\$EAD8: 20 BC 23	JSR s23BC
\$EADB: BD 8D 25	bEADB LDA f258D,X
\$EADE: F0 03	BEQ bEAE3
\$EAE0: 20 F2 23	JSR s23F2
\$EAE3: B9 FC 25	bEAE3 LDA f25FC,Y
\$EAE6: F0 03	BEQ bEAEB

aEAE9 =\*+\$01

\$EAE8: 20 71 23 JSR s2371

\$EAEB: 20 E7 20 bEAEB JSR s20E7

aEAEF =\*+\$01

\$EAE: A6 B3 LDX aB3

\$EAF0: A5 B0 LDA aB0

\$EAF2: 9D 1B 26 STA f261B,X

\$EAF5: A5 B1 LDA aB1

\$EAF7: 9D 18 26 STA f2618,X

\$EAFA: E8 INX

\$EAFB: E0 03 CPX #\$03

\$EAFD: B0 03 BCS bEB02

aEB00 =\*+\$01

\$EAFF: 4C 3E 20 JMP j203E

\$EB02: 60 bEB02 RTS

\$EB03: A6 B3 LDX aB3

\$EB05: A4 B2 LDY aB2

\$EB07: BD 15 26 LDA f2615,X

\$EB0A: 38 SEC

\$EB0B: E9 01 SBC #\$01

\$EB0D: 9D 15 26 STA f2615,X

\$EB10: BD CF 25 LDA f25CF,X

\$EB13: E9 00 SBC #\$00

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$EB15: 9D CF 25    STA f25CF,X
$EB18: D0 12      BNE bEB2C
$EB1A: BD 15 26    LDA f2615,X
$EB1D: F0 10      BEQ bEB2F
           sEB20 =*+$01
$EB1F: DD 41 26    CMP f2641,X
$EB22: B0 08      BCS bEB2C
$EB24: B9 8A 26    LDA f268A,Y
$EB27: 29 FE      AND #$FE
$EB29: 99 8A 26    STA f268A,Y
$EB2C: 4C E4 21   bEB2C JMP j21E4

$EB2F: A9 00   bEB2F LDA #$00
$EB31: 99 88 26    STA f2688,Y
$EB34: 9D CF 25    STA f25CF,X
$EB37: 9D AB 25    STA f25AB,X
$EB3A: 9D D2 25    STA f25D2,X
$EB3D: 9D D8 25    STA f25D8,X
$EB40: 9D D5 25    STA f25D5,X
$EB43: 9D C3 25    STA f25C3,X
$EB46: 9D C6 25    STA f25C6,X
$EB49: 9D B4 25    STA f25B4,X
$EB4C: 9D B1 25    STA f25B1,X
$EB4F: EC 86 25    CPX a2586
$EB52: D0 09      BNE bEB5D

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\$EB54: 8D 9B 26      STA a269B  
\$EB57: AD 9E 25      LDA a259E  
\$EB5A: 8D 9C 26      STA a269C  
\$EB5D: BD F9 25    bEB5D   LDA f25F9,X  
\$EB60: 99 8B 26      STA f268B,Y  
\$EB63: BD F0 25      LDA f25F0,X  
\$EB66: 99 8C 26      STA f268C,Y  
\$EB69: BD F6 25      LDA f25F6,X  
\$EB6C: 99 89 26      STA f2689,Y  
\$EB6F: A0 00          LDY #\$00  
\$EB71: B1 B0          LDA (pB0),Y  
\$EB73: D0 0B          BNE bEB80  
\$EB75: A9 00          LDA #\$00  
\$EB77: 8D 13 26      STA a2613  
\$EB7A: 8D 14 26      STA a2614  
\$EB7D: 4C A5 21      JMP j21A5  
  
\$EB80: C9 80    bEB80   CMP #\$80  
\$EB82: 90 3D      BCC bEBC1  
\$EB84: 18          CLC  
\$EB85: 7D E7 25      ADC f25E7,X  
\$EB88: 8D 11 26      STA a2611  
\$EB8B: BD BA 25      LDA f25BA,X  
\$EB8E: F0 13          BEQ bEBA3  
\$EB90: 18          CLC



\$EB91: 6D 11 26      ADC a2611  
\$EB94: 20 36 25      JSR s2536  
\$EB97: AD 13 26      LDA a2613  
\$EB9A: 9D C0 25      STA f25C0,X  
\$EB9D: AD 14 26      LDA a2614  
\$EBA0: 9D BD 25      STA f25BD,X  
\$EBA3: BD B7 25    bEBA3   LDA f25B7,X  
\$EBA6: F0 13        BEQ bEBBB  
\$EBA8: 18           CLC  
\$EBA9: 6D 11 26      ADC a2611  
\$EBAC: 20 36 25      JSR s2536  
\$EBAF: AD 13 26      LDA a2613  
\$EBB2: 9D A2 25      STA f25A2,X  
\$EBB5: AD 14 26      LDA a2614  
\$EBB8: 9D A5 25      STA f25A5,X  
\$EBBB: AD 11 26    bEBBB   LDA a2611  
\$EBBE: 20 36 25      JSR s2536  
\$EBC1: A4 B2      bEBC1   LDY aB2  
\$EBC3: AD 13 26      LDA a2613  
\$EBC6: 99 87 26      STA f2687,Y  
\$EBC9: 99 87 25      STA f2587,Y  
\$EBCC: AD 14 26      LDA a2614  
\$EBCF: 99 86 26      STA f2686,Y  
\$EBD2: 99 88 25      STA f2588,Y  
\$EBD5: A0 01        LDY #\$01

\$EBD7: B1 B0 LDA (pB0),Y  
\$EBD9: A4 B2 LDY aB2  
\$EBDB: 9D 15 26 STA f2615,X  
\$EBDE: 20 78 25 JSR s2578  
\$EBE1: BD 15 26 LDA f2615,X  
\$EBE4: C9 FF CMP #\$FF  
\$EBE6: D0 0F BNE bEBF7  
\$EBE8: B9 88 25 LDA f2588,Y  
\$EBEB: 9D A5 25 STA f25A5,X  
\$EBEE: B9 87 25 LDA f2587,Y  
\$EBF1: 9D A2 25 STA f25A2,X  
\$EBF4: 4C 53 21 JMP j2153  
  
\$EBF7: BD F3 25 bEBF7 LDA f25F3,X  
\$EBFA: 99 8A 26 STA f268A,Y  
\$EBFD: 99 89 25 STA f2589,Y  
\$EC00: 60 aEC00 RTS  
  
\$EC01: A9 00 LDA #\$00  
\$EC03: 8D 00 20 STA s2000  
\$EC06: A2 7E LDX #\$7E  
\$EC08: 9D 85 25 bEC08 STA f2585,X  
\$EC0B: CA DEX  
\$EC0C: D0 FA BNE bEC08  
\$EC0E: A2 02 LDX #\$02

\$EC10: 8E 42 26      STX a2642  
\$EC13: 8E 41 26      STX f2641  
\$EC16: 8E 43 26      STX a2643  
          aEC1A    =\*+\$01  
\$EC19: A9 01    bEC19   LDA #\$01  
\$EC1B: 9D 15 26      STA f2615,X  
\$EC1E: 9D 1E 26      STA f261E,X  
\$EC21: CA            DEX  
\$EC22: 10 F5          BPL bEC19  
\$EC24: A5 B0          LDA aB0  
\$EC26: 18            CLC  
\$EC27: 69 04          ADC #\$04  
\$EC29: 8D 1B 26      STA f261B  
\$EC2C: A5 B1          LDA aB1  
\$EC2E: 69 00          ADC #\$00  
\$EC30: 8D 18 26      STA f2618  
\$EC33: A2 7E          LDX #\$7E  
\$EC35: A0 00          LDY #\$00  
\$EC37: B1 B0    bEC37   LDA (pB0),Y  
\$EC39: 18            CLC  
\$EC3A: 6D 1B 26      ADC f261B  
\$EC3D: 9D 9E 25      STA a259E,X  
\$EC40: 08            PHP  
\$EC41: C8            INY  
\$EC42: 28            PLP

\$EC43: B1 B0 LDA (pB0),Y  
\$EC45: 6D 18 26 ADC f2618  
\$EC48: 9D 9B 25 STA f259B,X  
\$EC4B: C8 INY  
\$EC4C: E8 INX  
\$EC4D: 10 E8 BPL bEC37  
\$EC4F: 20 41 22 JSR a2241  
\$EC52: A9 01 LDA #\$01  
\$EC54: 8D 00 20 STA s2000  
\$EC57: 60 RTS  
  
\$EC58: A9 00 LDA #\$00  
\$EC5A: 8D 00 20 STA s2000  
\$EC5D: A2 17 LDX #\$17  
\$EC5F: A9 09 bEC5F LDA #\$09  
\$EC61: 9D 86 26 STA f2686,X  
\$EC64: A9 00 LDA #\$00  
\$EC66: 9D 86 26 STA f2686,X  
\$EC69: CA DEX  
\$EC6A: 10 F3 BPL bEC5F  
\$EC6C: 60 RTS  
  
\$EC6D: 8D 9E 26 STA a269E  
\$EC70: 60 RTS

\$EC71: 9D F3 25 STA f25F3,X

\$EC74: 60 RTS

\$EC75: 9D F9 25 STA f25F9,X

\$EC78: 60 RTS

aEC7A =\*+\$01

\$EC79: 9D F0 25 STA f25F0,X

\$EC7C: 60 RTS

\$EC7D: 8D 11 26 STA a2611

\$EC80: BD E1 25 LDA f25E1,X

\$EC83: D0 09 BNE bEC8E

\$EC85: FE E1 25 INC f25E1,X

\$EC88: AD 11 26 LDA a2611

\$EC8B: 9D FF 25 STA f25FF,X

\$EC8E: DE FF 25 bEC8E DEC f25FF,X

\$EC91: BD FF 25 LDA f25FF,X

\$EC94: F0 0B BEQ bECA1

\$EC96: BD 05 26 LDA f2605,X

\$EC99: 85 B0 STA aB0

\$EC9B: BD 08 26 LDA f2608,X

\$EC9E: 85 B1 STA aB1

\$ECA0: 60 RTS

aECA3 =\*+\$02

\$ECA1: DE E1 25 bECA1 DEC f25E1,X

\$ECA4: 60 RTS

\$ECA5: A5 B0 LDA aB0

\$ECA7: 9D 05 26 STA f2605,X

\$ECAA: A5 B1 LDA aB1

\$ECAC: 9D 08 26 STA f2608,X

\$ECAf: 60 RTS

\$ECB0: 8D 11 26 STA a2611

aECB4 =\*+\$01

\$ECB3: BD E4 25 LDA f25E4,X

\$ECB6: D0 09 BNE bECC1

\$ECB8: FE E4 25 INC f25E4,X

\$ECBB: AD 11 26 LDA a2611

\$ECBE: 9D 02 26 STA f2602,X

\$ECC1: DE 02 26 bECC1 DEC f2602,X

\$ECC4: BD 02 26 LDA f2602,X

\$ECC7: F0 0B BEQ bECD4

\$ECC9: BD 0B 26 LDA f260B,X

\$ECCC: 85 B0 STA aB0

\$ECCE: BD 0E 26 LDA f260E,X

\$ECD1: 85 B1 STA aB1

\$ECD3: 60 RTS

\$ECD4: DE E4 25 bECD4 DEC f25E4,X

\$ECD7: 60 RTS

\$ECD8: A5 B0 LDA aB0

\$ECDA: 9D 0B 26 STA f260B,X

\$ECDD: A5 B1 LDA aB1

\$ECDF: 9D 0E 26 STA f260E,X

\$ECE2: 60 RTS

\$ECE3: 9D E7 25 STA f25E7,X

\$ECE6: 60 RTS

\$ECE7: 9D FC 25 STA f25FC,X

\$ECEA: 60 RTS

\$ECEB: 9D ED 25 STA f25ED,X

\$ECEE: 60 aECEE RTS

\$ECEf: 9D EA 25 STA f25EA,X

\$ECF2: 60 RTS

\$ECF3: 9D F6 25 STA f25F6,X

\$ECF6: 60 RTS

```
$ECF7: C9 64      CMP #$64
$ECF9: 90 07      BCC bED02
$ECFB: 38         SEC
$ECFC: E9 64      SBC #$64
        jED00 =*+$02
$ECFE: 9D 41 A9   STA fa941,X
        bED02 =*+$01
$ED01: 0C 8D 87   NOP a878D
$ED04: 8F 8D 4E   SAX a4E8D
        ROM_TALKj =*+$02
$ED07: AD 8D 24   LDA a248D
$ED0A: BA         TSX
        ROM_LISTENj =*+$01
$ED0B: 8D 2C BB   STA aBB2C
$ED0E: 8D 3A BB   STA aBB3A
$ED11: 8D 7D BD   STA aBD7D
$ED14: 8D AE C4   STA aC4AE
$ED17: 8D 77 C6   STA aC677
$ED1A: 8D 37 A0   STA sA037
$ED1D: 8D 58 AD   STA aAD58
$ED20: 8D 88 B9   STA aB988
$ED23: 8D 2D BA   STA aBA2D
$ED26: 8D 14 BB   STA aBB14
$ED29: 8D 22 BB   STA aBB22
$ED2C: 8D 87 BD   STA aBD87
```



\$ED2F: 8D BA C4      STA aC4BA

\$ED32: 8D 83 C6      STA aC683

\$ED35: 4C 13 08      JMP j0813

\$ED38: 00 00      BRK #00

\$ED3A: 00 00      BRK #00

\$ED3C: 00 00      BRK #00

\$ED3E: 00 00      BRK #00

\$ED40: 60      RTS

\$ED41: 8D 9E 25      STA a259E

\$ED44: 60      RTS

\$ED45: 18      CLC

\$ED46: 7D E7 25      ADC f25E7,X

\$ED49: 9D E7 25      STA f25E7,X

\$ED4C: 60      RTS

\$ED4D: 18      CLC

\$ED4E: 6D 9E 26      ADC a269E

\$ED51: 8D 9E 26      STA a269E

\$ED54: 60      RTS

\$ED55: 9D BA 25      STA f25BA,X

\$ED58: 60      RTS

\$ED59: 48	PHA
\$ED5A: 29 F8	AND #F8
\$ED5C: 4A	LSR
\$ED5D: 4A	LSR
\$ED5E: 4A	LSR
\$ED5F: 8D 9D 25	STA a259D
\$ED62: 68	PLA
\$ED63: 29 07	AND #07
\$ED65: 8D 9C 25	STA a259C
\$ED68: 60	RTS
\$ED69: 9D B7 25	STA f25B7,X
\$ED6C: 60	RTS
\$ED6D: 9D C9 25	STA f25C9,X
\$ED70: 60	RTS
\$ED71: 9D CC 25	STA f25CC,X
\$ED74: 60	RTS
\$ED75: 18	CLC
\$ED76: 7D CF 25	ADC f25CF,X
\$ED79: 9D CF 25	STA f25CF,X
\$ED7C: 60	RTS

\$ED7D: B9 AB 25 LDA f25AB,Y  
\$ED80: D9 A8 25 CMP f25A8,Y  
\$ED83: 90 06 BCC bED8B  
\$ED85: B9 9F 25 LDA f259F,Y  
\$ED88: 4C A0 24 JMP j24A0

\$ED8B: 60 bED8B RTS

\$ED8C: B9 C3 25 LDA f25C3,Y  
\$ED8F: D0 FA BNE bED8B  
\$ED91: B9 DB 25 LDA f25DB,Y  
\$ED94: F0 31 BEQ ROM\_TKSAj  
\$ED96: B9 D8 25 LDA f25D8,Y  
\$ED99: F0 1B BEQ bEDB6  
\$ED9B: BD 88 26 LDA f2688,X  
\$ED9E: 38 SEC  
\$ED9F: F9 FC 25 SBC f25FC,Y  
\$EDA2: 9D 88 26 STA f2688,X  
\$EDA5: B0 2F BCS bEDD6  
\$EDA7: DE 89 26 DEC f2689,X  
\$EDAA: BD 89 26 LDA f2689,X  
\$EDAD: D9 DE 25 CMP f25DE,Y  
\$EDB0: B0 D9 BCS bED8B  
\$EDB2: A9 00 LDA #\$00

\$EDB4: F0 0D        BEQ bEDC3

\$EDB6: 20 AC 23    bEDB6 JSR s23AC

                  ; \$EDB9 (jmp) - send secondary addr after listen

\$EDB9: BD 89 26    ROM\_SECONDj LDA f2689,X

\$EDBC: D9 DB 25        CMP f25DB,Y

\$EDBF: 90 CA        BCC bED8B

\$EDC1: A9 01        LDA #\$01

\$EDC3: 99 D8 25    bEDC3 STA f25D8,Y

\$EDC6: 60        RTS

                  ; \$EDC7 (jmp) - send secondary addr after talk

\$EDC7: BD 88 26    ROM\_TKSAj LDA f2688,X

\$EDCA: 18        CLC

\$EDCB: 79 FC 25        ADC f25FC,Y

\$EDCE: 9D 88 26        STA f2688,X

\$EDD1: 90 03        BCC bEDD6

\$EDD3: FE 89 26        INC f2689,X

\$EDD6: 60        bEDD6 RTS

\$EDD7: C9 06        CMP #\$06

\$EDD9: 90 0F        BCC bEDEA

                  ROM\_CIOUj =\*+\$02

\$EDDB: B9 C6 25        LDA f25C6,Y

\$EDDE: 29 01        AND #\$01

```
$EDE0: D0 22      BNE bEE04
$EDE2: BD 8C 25   LDA f258C,X
$EDE5: 38        SEC
$EDE6: E9 05      SBC #$05
$EDE8: 10 14      BPL ROM_UNLSNj
$EDEA: B9 AB 25  bEDEA LDA f25AB,Y
$EDED: C9 02     fEDED  CMP #$02
                aEDF0  =*+$01
```

; \$EDEF (jmp) - untalk all SERIAL devices

```
$EDEF: 90 13     ROM_UNTLKj BCC bEE04
$EDF1: BD 8A 25   LDA f258A,X
$EDF4: F0 05      BEQ bEDFB
$EDF6: D9 AB 25   CMP f25AB,Y
$EDF9: 90 09     fEDF9  BCC bEE04
$EDFB: BD 8C 25  bEDFB  LDA f258C,X
```

; \$EDFE (jmp) - unlisten all SERIAL devices

```
$EDFE: A8        ROM_UNLSNj TAY
$EDFF: B9 23 26   LDA f2623,Y
$EE02: D0 03      BNE bEE07
$EE04: BD 89 25  bEE04  LDA f2589,X
$EE07: 9D 8A 26  bEE07  STA f268A,X
$EE0A: A4 B3      LDY aB3
$EE0C: 60        RTS
```

```

$EE0D: C9 01      CMP #$01
$EE0F: D0 16      BNE bEE27
                ROM_ACPTRj =*+$02
$EE11: B9 C6 25   LDA f25C6,Y
$EE14: 29 01      AND #$01
$EE16: D0 25      BNE bEE3D
                fEE1A =*+$02
$EE18: B9 A2 25   bEE18 LDA f25A2,Y
$EE1B: 9D 87 26   STA f2687,X
$EE1E: B9 A5 25   LDA f25A5,Y
$EE21: 9D 86 26   STA f2686,X
$EE24: 4C 1E 24   JMP j241E

$EE27: B9 B4 25   bEE27 LDA f25B4,Y
$EE2A: F0 11      BEQ bEE3D
$EE2C: C9 01      CMP #$01
$EE2E: F0 E8      BEQ bEE18
$EE30: B9 C0 25   LDA f25C0,Y
$EE33: 9D 87 26   STA f2687,X
$EE36: B9 BD 25   LDA f25BD,Y
$EE39: 9D 86 26   STA f2686,X
$EE3C: 60         RTS

$EE3D: 4C 29 25   bEE3D JMP j2529

```

\$EE40: B9 CC 25 LDA f25CC,Y  
\$EE43: D0 06 BNE bEE4B  
\$EE45: B9 AE 25 LDA f25AE,Y  
\$EE48: 99 B1 25 STA f25B1,Y  
\$EE4B: B9 D5 25 bEE4B LDA f25D5,Y  
\$EE4E: C9 01 aEE4E CMP #\$01  
\$EE50: F0 0A BEQ bEE5C  
\$EE52: C9 02 CMP #\$02  
\$EE54: F0 18 BEQ bEE6E  
\$EE56: 20 72 24 JSR s2472  
\$EE59: 4C 56 24 JMP j2456  
  
\$EE5C: B9 B1 25 bEE5C LDA f25B1,Y  
\$EE5F: 18 CLC  
\$EE60: 79 CC 25 ADC f25CC,Y  
\$EE63: D9 AE 25 CMP f25AE,Y  
\$EE66: 90 03 BCC bEE6B  
\$EE68: B9 AE 25 LDA f25AE,Y  
\$EE6B: 99 B1 25 bEE6B STA f25B1,Y  
\$EE6E: 20 87 24 bEE6E JSR s2487  
\$EE71: B9 D2 25 LDA f25D2,Y  
\$EE74: 18 CLC  
\$EE75: 69 01 ADC #\$01  
\$EE77: D9 1E 26 CMP f261E,Y

```
$EE7A: 90 0D      BCC bEE89
$EE7C: B9 D5 25   LDA f25D5,Y
$EE7F: 18         CLC
$EE80: 69 01     ADC #$01
$EE82: 29 03     AND #$03
$EE84: 99 D5 25   STA f25D5,Y
$EE87: A9 00     LDA #$00
$EE89: 99 D2 25  bEE89 STA f25D2,Y
$EE8C: 60        RTS

$EE8D: BD 88 25   LDA f2588,X
$EE90: 18        CLC
$EE91: 79 B1 25   ADC f25B1,Y
$EE94: 9D 88 25   STA f2588,X
$EE97: 9D 86 26   STA f2686,X
$EE9A: BD 87 25   LDA f2587,X
$EE9D: 69 00     ADC #$00
$EE9F: 4C 99 24   JMP j2499

$EEA2: BD 88 25   LDA f2588,X
$EEA5: 38        SEC
$EEA6: F9 B1 25   SBC f25B1,Y
      aEEAB =*+$02
$EEA9: 9D 88 25   STA f2588,X
$EEAC: 9D 86 26   STA f2686,X
```



\$EEAF: BD 87 25 LDA f2587,X  
\$EEB2: E9 00 SBC #\$00  
\$EEB4: 9D 87 25 STA f2587,X  
\$EEB7: 9D 87 26 STA f2687,X  
\$EEBA: 60 aEEBA RTS  
  
\$EEBB: C9 01 CMP #\$01  
\$EEBD: D0 7C BNE bEF3B  
\$EEBF: B9 A2 25 LDA f25A2,Y  
\$EEC2: DD 87 25 CMP f2587,X  
\$EEC5: 90 32 BCC bEEF9  
\$EEC7: D0 0A BNE bEED3  
\$EEC9: B9 A5 25 LDA f25A5,Y  
\$EECC: DD 88 25 CMP f2588,X  
\$EECF: F0 E9 BEQ aEEBA  
\$EED1: 90 26 BCC bEEF9  
\$EED3: 20 F7 24 bEED3 JSR s24F7  
\$EED6: BD 87 25 LDA f2587,X  
\$EED9: D9 A2 25 CMP f25A2,Y  
\$EEDC: F0 04 BEQ bEEE2  
\$EEDE: B0 0A BCS bEEEA  
\$EEE0: 90 D8 BCC aEEBA  
\$EEE2: BD 88 25 bEEE2 LDA f2588,X  
\$EEE5: D9 A5 25 CMP f25A5,Y  
\$EEE8: 90 D0 BCC aEEBA

\$EEEE: B9 A5 25 bEEEE LDA f25A5,Y

fEEEE =\*+\$01

\$EEED: 9D 88 25 STA f2588,X

\$EEF0: B9 A2 25 aEEF0 LDA f25A2,Y

\$EEF3: 9D 87 25 STA f2587,X

\$EEF6: 4C 29 25 JMP j2529

fEEFA =\*+\$01

\$EEF9: 20 0A 25 bEEF9 JSR s250A

\$EEFC: BD 87 25 LDA f2587,X

fEF00 =\*+\$01

\$EEFF: D9 A2 25 fEEFF CMP f25A2,Y

\$EF02: F0 04 BEQ bEF08

\$EF04: 90 E4 BCC bEEEE

\$EF06: B0 B2 BCS aEEBA

\$EF08: BD 88 25 bEF08 LDA f2588,X

\$EF0B: D9 A5 25 CMP f25A5,Y

\$EF0E: B0 AA BCS aEEBA

\$EF10: 90 D8 BCC bEEEE

\$EF12: BD 88 25 bEF12 LDA f2588,X

\$EF15: 18 CLC

\$EF16: 79 EA 25 ADC f25EA,Y

\$EF19: 9D 88 25 STA f2588,X

\$EF1C: BD 87 25 LDA f2587,X

\$EF1F: 79 ED 25 ADC f25ED,Y

```
$EF22: 4C 1A 25      JMP j251A

$EF25: BD 88 25  bEF25  LDA f2588,X
$EF28: 38          SEC
$EF29: F9 EA 25      SBC f25EA,Y
$EF2C: 9D 88 25      STA f2588,X
$EF2F: BD 87 25      LDA f2587,X
$EF32: F9 ED 25      SBC f25ED,Y
$EF35: 9D 87 25      STA f2587,X
$EF38: 4C 29 25      JMP j2529

$EF3B: C9 03  bEF3B  CMP # $03
$EF3D: F0 E6          BEQ bEF25
$EF3F: C9 04          CMP # $04
$EF41: F0 CF          BEQ bEF12
$EF43: 60            RTS

$EF44: BD 87 25      LDA f2587,X
$EF47: 9D 87 26      STA f2687,X
$EF4A: BD 88 25      LDA f2588,X
$EF4D: 9D 86 26      STA f2686,X
$EF50: 60            RTS

$EF51: A2 07          LDX # $07
$EF53: C9 8C          CMP # $8C
```

```
$EF55: 90 06      BCC bEF5D
$EF57: E9 0C      SBC #$0C
$EF59: CA         DEX
$EF5A: 4C 38 25   JMP j2538

$EF5D: E9 7F    bEF5D  SBC #$7F
$EF5F: 0A       ASL
$EF60: A8       TAY
        bEF62 =*+,$01
$EF61: B9 29 26   LDA f2629,Y
$EF64: 8D 13 26   STA a2613
$EF67: B9 2A 26   LDA f262A,Y
$EF6A: 8D 14 26   STA a2614
$EF6D: E0 00     CPX #$00
$EF6F: F0 1D     BEQ bEF8E
$EF71: 4E 13 26  bEF71  LSR a2613
$EF74: 6E 14 26   ROR a2614
$EF77: CA       fEF77  DEX
$EF78: D0 F7     BNE bEF71
$EF7A: A6 B3    aEF7A  LDX aB3
$EF7C: A4 B2     LDY aB2
$EF7E: AD 14 26   LDA a2614
$EF81: 18        CLC
$EF82: 7D C9 25   ADC f25C9,X
$EF85: 8D 14 26   STA a2614
```

\$EF88: 90 03      BCC bEF8D

\$EF8A: EE 13 26      INC a2613

\$EF8D: 60      bEF8D    RTS

\$EF8E: A4 B2      bEF8E    LDY aB2

\$EF90: A6 B3      LDX aB3

\$EF92: 60      RTS

\$EF93: A5 B0      LDA aB0

\$EF95: 18      CLC

\$EF96: 69 02      ADC #02

\$EF98: 85 B0      STA aB0

\$EF9A: 90 02      BCC bEF9E

\$EF9C: E6 B1      INC aB1

\$EF9E: 60      bEF9E    RTS

\$EF9F: A1 9E      LDA (p9E,X)

\$EFA1: 07 0E      SLO a0E

\$EFA3: 41 21      EOR (p21,X)

\$EFA5: 11 81      ORA (p81),Y

\$EFA7: 51 83      EOR (p83),Y

\$EFA9: 68      PLA

\$EFAA: 8B 39      XAA #039

\$EFAC: 93 80      AHX (p80),Y

fEFAF =\*+01

\$EFAE: 9C 45 A5      SHY fA545,X

\$EFB1: 90 AF      BCC bEF62

    aEFB4 =\*+\$01

\$EFB3: 69 B9      ADC #\$B9

\$EFB5: D7 C4      DCP fC4,X

\$EFB7: E3 D0      ISC (pD0,X)

    aEFBB =\*+\$02

\$EFB9: 99 DD 00      STA f0DD,Y

\$EFBC: EA      NOP

    fEFBE =\*+\$01

\$EFBD: 25 F8      AND aF8

\$EFBF: 10 A1    fEFBF BPL bEF62

\$EFC1: 03 51      SLO (p51,X)

\$EFC3: 22      JAM

\$EFC4: 59 22 55      EOR f5522,Y

\$EFC7: 22      JAM

\$EFC8: D7 22      DCP f22,X

\$EFCA: DB 22 EA      DCP fEA22,Y

\$EFCD: 22      JAM

\$EFCE: EE 22 FD      INC aFD22

\$EFD1: 22      JAM

\$EFD2: 09 23      ORA #\$23

\$EFD4: 5D 22 05      EOR f0522,X

\$EFD7: 23 CF      RLA (pCF,X)

\$EFD9: 22      JAM

\$EFDA: D3 22      DCP (p22),Y  
 \$EFDC: CB 22      AXS #22  
 \$EFDE: 01 23      ORA (p23,X)  
 \$EFE0: 61 22      ADC (p22,X)  
 \$EFE2: 89 22      NOP #22  
 \$EFE4: 94 22      STY f22,X  
 \$EFE6: BC 22 C7    LDY fC722,X  
 \$EFE9: 22          JAM  
 \$EFEA: 0D 23 1E    aEAEA ORA a1E23  
                   aEFEE =\*+\$01  
 \$EFED: 23 22      RLA (p22,X)  
 \$EFEF: 23 26      RLA (p26,X)  
 \$EFF1: 23 5A      RLA (p5A,X)  
 \$EFF3: 23 2A      RLA (p2A,X)  
 \$EFF5: 23 32      RLA (p32,X)  
 \$EFF7: 23 3A    fEFF7 RLA (p3A,X)  
 \$EFF9: 23 3E      RLA (p3E,X)  
 \$EFFB: 23 3C      RLA (p3C,X)  
 \$EFFD: 22          JAM  
                   fEFFF =\*+\$01  
                   aF000 =\*+\$02  
 \$EFDE: 4E 23 F9    LSR aF923  
 \$F001: 01 0A    fF001 ORA (p0A,X)  
 \$F003: 02          JAM  
 \$F004: A8        bF004 TAY

\$F005: 03 7F	SLO (p7F,X)
\$F007: 03 4A	SLO (p4A,X)
\$F009: 01 24	ORA (p24,X)
\$F00B: 00 4E	BRK # \$4E
\$F00D: 02	JAM
\$F00E: 57 00	SRE f00,X
\$F010: D9 03 55	CMP f5503,Y
\$F013: 01 3B	ORA (p3B,X)
\$F015: 01 92	ORA (p92,X)
\$F017: 01 1B	ORA (p1B,X)
\$F019: 02	JAM
\$F01A: 13 03	SLO (p03),Y
\$F01C: 32	JAM
\$F01D: 03 90	SLO (p90,X)
\$F01F: 00 BB	BRK # \$BB
\$F021: 02	JAM
\$F022: 02	JAM
\$F023: 03 61	SLO (p61,X)
\$F025: 0D D2 0D	ORA a0DD2
aF029 =*+\$01	
\$F028: F1 0D	SBC (p0D),Y
\$F02A: F1 0A	SBC (p0A),Y
\$F02C: F2	JAM
\$F02D: 0A	ASL
\$F02E: F1 0D	SBC (p0D),Y



\$F030: F1 0D        SBC (p0D),Y  
\$F032: F2        JAM  
\$F033: 0B F1    aF033 ANC #F1  
\$F035: 0A        ASL  
\$F036: E1 0D        SBC (p0D,X)  
\$F038: E2 0D    fF038 NOP #0D  
\$F03A: D1 0A        CMP (p0A),Y  
\$F03C: C1 0A        CMP (p0A,X)  
\$F03E: C2 0C        NOP #0C  
\$F040: B1 0C        LDA (p0C),Y  
\$F042: B1 0C        LDA (p0C),Y  
\$F044: A2 0C        LDX #0C  
\$F046: A1 0D    bF046 LDA (p0D,X)  
\$F048: 91 0B    bF048 STA (p0B),Y  
\$F04A: 92        bF04A JAM  
                 bF04C =\*+\$01  
\$F04B: 0B 81        ANC #81  
\$F04D: 0D 81 0C    ORA a0C81  
\$F050: 82 0B    bF050 NOP #0B  
\$F052: 71 0A        ADC (p0A),Y  
                 fF055 =\*+\$01  
\$F054: 71 0C        ADC (p0C),Y  
\$F056: 00 A0        BRK #A0  
\$F058: 12        JAM  
\$F059: F0 12        BEQ bF06D

\$F05B: F0 12        BEQ bF06F  
                  bF05E =\*+\$01

\$F05D: F0 09        BEQ bF068  
                  fF060 =\*+\$01

\$F05F: F0 09    fF05F BEQ bF06A  
                  bF062 =\*+\$01

\$F061: D0 09        BNE bF06C  
                  bF064 =\*+\$01

\$F063: D0 09        BNE bF06E  
                  bF066 =\*+\$01

\$F065: D0 09        BNE bF070  
                  bF068 =\*+\$01

\$F067: C0 09        CPY #F09  
                  bF06A =\*+\$01

\$F069: C0 09        CPY #F09  
                  bF06C =\*+\$01

\$F06B: C0 10        CPY #F10  
                  bF06E =\*+\$01

\$F06D: C0 10    bF06D CPY #F10  
                  bF070 =\*+\$01

\$F06F: C0 10    bF06F CPY #F10

\$F071: B0 10        BCS bF083

\$F073: B0 10        BCS bF085

\$F075: B0 10    bF075 BCS bF087

\$F077: B0 10    bF077 BCS bF089

\$F079: 90 10 bF079 BCC bF08B

\$F07B: A0 10 bF07B LDY #\$10

\$F07D: 70 10 bF07D BVS bF08F

\$F07F: 90 10 bF07F BCC sF091

\$F081: 60 RTS

bF083 =\*+\$01

\$F082: 10 80 BPL bF004

bF085 =\*+\$01

\$F084: 10 50 BPL bF0D6

bF087 =\*+\$01

\$F086: 10 70 BPL bF0F8

bF089 =\*+\$01

\$F088: 10 40 BPL bF0CA

bF08B =\*+\$01

\$F08A: 10 60 BPL bF0EC

\$F08C: 10 30 BPL bF0BE

bF08F =\*+\$01

\$F08E: 10 00 BPL bF090

sF091 =\*+\$01

\$F090: D0 7B bF090 BNE bF10D

\$F092: F0 7B BEQ ff10F

\$F094: F0 7B BEQ bF111

\$F096: F0 7B BEQ bF113

\$F098: E0 7B CPX #\$7B

\$F09A: D0 7B	BNE bF117
\$F09C: A0 7B	LDY # \$7B
\$F09E: A0 7B	LDY # \$7B
\$F0A0: F0 74	BEQ bF116
\$F0A2: F0 73	BEQ bF117
\$F0A4: F0 73	BEQ bF119
\$F0A6: F0 73	BEQ bF11B
\$F0A8: E0 73	CPX # \$73
\$F0AA: D0 73	BNE bF11F
\$F0AC: A0 73	LDY # \$73
\$F0AE: A0 73	LDY # \$73
\$F0B0: F0 7B	fF0B0 BEQ bF12D
\$F0B2: F0 7B	BEQ bF12F
\$F0B4: F0 7B	BEQ bF131
\$F0B6: F0 7B	BEQ bF133
\$F0B8: E0 7B	CPX # \$7B
\$F0BA: D0 7B	BNE bF137
\$F0BC: A0 7B	LDY # \$7B
\$F0BE: A0 7B	bF0BE LDY # \$7B
\$F0C0: F0 84	fF0C0 BEQ bF046
\$F0C2: F0 84	BEQ bF048
\$F0C4: F0 84	BEQ bF04A
\$F0C6: F0 84	BEQ bF04C
\$F0C8: E0 84	CPX # \$84
\$F0CA: D0 84	bF0CA BNE bF050

\$FOCC: A0 84        LDY #\$84  
                  fFOCF =\*+\$01  
\$FOCE: A0 84        LDY #\$84  
\$FOD0: F0 8C        BEQ bF05E  
                  fFOD3 =\*+\$01  
\$FOD2: F0 8C        BEQ fF060  
\$FOD4: F0 8C        BEQ bF062  
\$FOD6: F0 8C    bF0D6 BEQ bF064  
\$FOD8: F0 8C        BEQ bF066  
\$FODA: E0 8C        CPX #\$8C  
                  bF0DD =\*+\$01  
\$FODC: A0 8C        LDY #\$8C  
                  bF0DF =\*+\$01  
\$FODE: A0 8C        LDY #\$8C  
                  bFOE1 =\*+\$01  
\$FOE0: F0 93        BEQ bF075  
                  bFOE3 =\*+\$01  
\$FOE2: F0 93        BEQ bF077  
                  bFOE5 =\*+\$01  
\$FOE4: F0 93        BEQ bF079  
                  bFOE7 =\*+\$01  
\$FOE6: F0 93        BEQ bF07B  
\$FOE8: F0 93        BEQ bF07D  
                  bFOEB =\*+\$01  
\$FOEA: D0 93        BNE bF07F

bFOED =\*+\$01  
\$FOEC: A0 93 bFOEC LDY #93  
bFOEF =\*+\$01  
\$FOEE: A0 9B LDY #9B  
\$FOF0: E0 9B fFOF0 CPX #9B  
\$FOF2: E0 9B aFOF2 CPX #9B  
\$FOF4: E0 9B CPX #9B  
bFOF7 =\*+\$01  
\$FOF6: E0 9B CPX #9B  
bFOF9 =\*+\$01  
\$FOF8: E0 9B bFOF8 CPX #9B  
\$FOFA: E0 9B aFOFA CPX #9B  
\$FOFC: A0 9B aFOFC LDY #9B  
aFOFF =\*+\$01  
\$FOFE: 10 FF BPL aFOFF  
fF101 =\*+\$01  
\$F100: 10 FF BPL fF101  
bF103 =\*+\$01  
\$F102: 10 FF BPL bF103  
bF105 =\*+\$01  
\$F104: 10 FF BPL bF105  
bF107 =\*+\$01  
\$F106: 10 FF bF106 BPL bF107  
bF109 =\*+\$01  
\$F108: 10 FF BPL bF109

\$F10A: 10 FE bF10A BPL bF10A

bF10D =\*+\$01

\$F10C: D0 CF BNE bF0DD

fF10F =\*+\$01

\$F10E: D0 CF BNE bF0DF

bF111 =\*+\$01

\$F110: D0 CF BNE bF0E1

bF113 =\*+\$01

\$F112: D0 CF BNE bF0E3

\$F114: D0 CF BNE bF0E5

bF117 =\*+\$01

\$F116: D0 CF bF116 BNE bF0E7

bF119 =\*+\$01

\$F118: C0 CF CPY # \$CF

bF11B =\*+\$01

\$F11A: B0 CF BCS bF0EB

\$F11C: B0 CF BCS bF0ED

bF11F =\*+\$01

\$F11E: B0 CF BCS bF0EF

\$F120: A0 CF LDY # \$CF

\$F122: A0 CF LDY # \$CF

\$F124: A0 CF LDY # \$CF

\$F126: 90 CF BCC bF0F7

bF129 =\*+\$01

\$F128: 90 CF BCC bF0F9

\$F12A: 80 CF NOP # \$CF

bF12D =\*+\$01

\$F12C: 80 CF NOP # \$CF

bF12F =\*+\$01

\$F12E: 80 CF NOP # \$CF

bF131 =\*+\$01

\$F130: 80 CF NOP # \$CF

bF133 =\*+\$01

\$F132: 70 CF BVS bF103

\$F134: 70 CF BVS bF105

\$F136: 60 RTS

\$F137: CF 60 CF bF137 DCP aCF60

\$F13A: 00 70 BRK # \$70

ROM\_GETINj =\*+\$02

\$F13C: DF D0 D5 aF13C DCP fD5D0,X

\$F13F: F0 E8 BEQ bF129

\$F141: F0 EE BEQ bF131

\$F143: E0 ED CPX # \$ED

\$F145: C0 EF bF145 CPY # \$EF

\$F147: 70 FC BVS bF145

\$F149: 00 68 BRK # \$68

\$F14B: 10 B9 BPL bF106

\$F14D: 1F B9 1E SLO f1EB9,X

\$F150: C9 32 CMP # \$32



\$F152: 49 66 EOR #\$66

\$F154: 00 FF BRK #\$FF

\$F156: 18 CLC

; \$F157 (jmp) - input character

\$F157: BE 1A EE ROM\_CHRINj LDX fEE1A,Y

\$F15A: 18 CLC

\$F15B: AD 1A EC LDA aEC1A

bF15F =\*+\$01

\$F15E: 17 AC SLO fAC,X

\$F160: 1A bF160 NOP

bF162 =\*+\$01

\$F161: EB 17 bF161 SBC #\$17

bF164 =\*+\$01

\$F163: AB 1A LAX #\$1A

\$F165: EA NOP

\$F166: 18 CLC

\$F167: AA bF167 TAX

\$F168: 1A bF168 NOP

\$F169: EA NOP

\$F16A: 18 CLC

\$F16B: AA bF16B TAX

\$F16C: 1A NOP

bF16F =\*+\$02

\$F16D: D9 17 99 CMP f9917,Y

\$F170: 1A        NOP  
\$F171: C8        INY  
\$F172: 18       bF172 CLC  
\$F173: 88       bF173 DEY  
\$F174: 1A        NOP  
\$F175: B8       bF175 CLV  
\$F176: 18        CLC  
\$F177: 77 1A    bF177 RRA f1A,X  
                 bF17A =\*+\$01  
\$F179: A7 18     LAX a18  
\$F17B: 66 1A    bF17B ROR a1A  
                 bF17E =\*+\$01  
\$F17D: 95 17     STA f17,X  
                 bF180 =\*+\$01  
\$F17F: 54 1A    bF17F NOP f1A,X  
\$F181: 84 18    aF181 STY a18  
\$F183: 43 1A    bF183 SRE (p1A,X)  
\$F185: 75 18    bF185 ADC f18,X  
\$F187: 33 1A     RLA (p1A),Y  
\$F189: 64 18     NOP a18  
\$F18B: 23 1A     RLA (p1A,X)  
\$F18D: 52        JAM  
\$F18E: 18        CLC  
\$F18F: 21 1A     AND (p1A,X)  
\$F191: 00 F0     BRK #F0

\$F193: EC F0 E1	CPX aE1F0
\$F196: F0 D7	BEQ bF16F
\$F198: F0 CE	BEQ bF168
\$F19A: F0 C8	BEQ bF164
\$F19C: F0 C4	BEQ bF162
\$F19E: F0 C1	BEQ bF161
\$F1A0: F0 BF	BEQ bF161
\$F1A2: F0 BD	BEQ bF161
\$F1A4: F0 BB	BEQ bF161
\$F1A6: F0 B9	BEQ bF161
\$F1A8: D0 B7	BNE bF161
\$F1AA: D0 B4	bF1AA BNE bF160
\$F1AC: D0 B1	BNE bF15F
\$F1AE: D0 AF	BNE bF15F
\$F1B0: D0 AE	BNE bF160
\$F1B2: D0 AE	BNE bF162
bF1B5 =*+\$01	
\$F1B4: D0 AE	BNE bF164
\$F1B6: D0 AF	BNE bF167
\$F1B8: D0 B1	BNE bF16B
\$F1BA: D0 B3	BNE bF16F
aF1BD =*+\$01	
\$F1BC: D0 B5	BNE bF173
\$F1BE: D0 B7	BNE bF177
\$F1C0: D0 B9	BNE bF17B

\$F1C2: D0 BA      BNE bF17E  
\$F1C4: D0 B9      BNE bF17F  
\$F1C6: D0 B8      BNE bF180  
\$F1C8: C0 B7      CPY #B7

        ; \$F1CA (jmp) - output character

\$F1CA: C0 B4      ROM\_CHROUTj CPY #B4  
\$F1CC: C0 B0      CPY #B0  
\$F1CE: C0 AC      CPY #AC  
\$F1D0: B0 A9      BCS bF17B  
\$F1D2: B0 A6      BCS bF17A  
\$F1D4: B0 A1      BCS bF177  
\$F1D6: B0 9D      BCS bF175  
\$F1D8: A0 9A      LDY #9A  
\$F1DA: A0 97      LDY #97  
\$F1DC: A0 95      LDY #95  
\$F1DE: 90 93      BCC bF173  
\$F1E0: 90 90      BCC bF172  
\$F1E2: 80 93      NOP #93  
\$F1E4: 80 95      NOP #95  
\$F1E6: 80 97      NOP #97  
\$F1E8: 70 99      BVS bF183  
        bF1EB =\*+\$01  
\$F1EA: 70 99      BVS bF185  
        bF1ED =\*+\$01

\$F1EC: 70 97        BVS bF185

      bF1EF =\*+\$01

\$F1EE: 70 95        BVS bF185

\$F1F0: 60        ff1F0 RTS

\$F1F1: 93 60        bF1F1 AHX (p60),Y

\$F1F3: 90 60        ff1F3 BCC bF255

\$F1F5: 8B 60        XAA # \$60

\$F1F7: 86 00        STX a00

\$F1F9: D0 80        BNE bF17B

      aF1FC =\*+\$01

\$F1FB: B0 7C        BCS bF279

\$F1FD: 80 77        NOP # \$77

\$F1FF: 70 73        BVS bF274

\$F201: 60        RTS

\$F202: 71 80        ADC (p80),Y

\$F204: 75 A0        ADC fa0,X

\$F206: 82 D0        NOP # \$D0

\$F208: 8F 00 D0        SAX \$D000 ;Sprite 0 X Pos

      bF20D =\*+\$02

\$F20B: 7B B0 87        RRA f87B0,Y

      bF20F =\*+\$01

      ; \$F20E (jmp) - open channel for input

\$F20E: 80 90 ROM\_CHKINj NOP #90

\$F210: 70 98 BVS bF1AA

\$F212: 60 RTS

\$F213: 9E 70 A0 STX fA070,Y

\$F216: 80 9D NOP #9D

\$F218: B0 9B BCS bF1B5

\$F21A: 00 70 BRK #70

\$F21C: 0C 70 0E NOP a0E70

\$F21F: 60 RTS

\$F220: 10 60 BPL bF282

\$F222: 13 60 SLO (p60),Y

\$F224: 17 50 SLO f50,X

\$F226: 1C 50 21 NOP f2150,X

\$F229: 50 24 BVC bF24F

\$F22B: 40 RTI

\$F22C: 27 40 RLA a40

\$F22E: 2A ROL

\$F22F: 40 RTI

\$F230: 2D 40 30 AND a3040

\$F233: 40 RTI

\$F234: 34 30        NOP f30,X  
 \$F236: 39 30 3C     AND f3C30,Y  
 \$F239: 30 3E        BMI bF279  
 \$F23B: 30 41        BMI bF27E  
 \$F23D: 30 45        BMI bF284  
 \$F23F: 30 4B    bF23F BMI bF28C  
 \$F241: 30 52        BMI bF295  
 \$F243: 20 59 20     JSR s2059  
 \$F246: 61 20        ADC (p20,X)  
 \$F248: 6A           ROR  
                   bF24A =\*+\$01  
 \$F249: 20 73 10     JSR s1073  
                   bF24E =\*+\$02  
 \$F24C: 7D 00 B0    bF24C ADC fb000,X  
                   ROM\_CHKOUTj =\*+\$01  
 \$F24F: 8B C0    bF24F XAA #S\$C0  
 \$F251: 8A           TXA  
 \$F252: E0 8B    bF252 CPX #S\$8B  
                   bF255 =\*+\$01  
 \$F254: E0 75        CPX #S\$75  
 \$F256: F0 5B        BEQ bF2B3  
 \$F258: F0 5B        BEQ bF2B5  
 \$F25A: F0 5A        BEQ bF2B6  
 \$F25C: F0 6F        BEQ bF2CD  
                   bF25F =\*+\$01

\$F25E: F0 6F	BEQ bF2CF
\$F260: F0 6F	BEQ bF2D1
\$F262: F0 6F	BEQ bF2D3
\$F264: F0 78	BEQ bF2DE
\$F266: F0 83	BEQ bF1EB
\$F268: F0 83	BEQ bF1ED
\$F26A: F0 83	BEQ bF1EF
\$F26C: F0 83	BEQ bF1F1
\$F26E: F0 83	BEQ ff1F3
\$F270: E0 8D	CPX #8D
\$F272: E0 96	CPX #96
\$F274: D0 97	bF274 BNE bF20D
\$F276: D0 97	BNE bF20F
	bF279 =*+\$01
\$F278: C0 97	CPY #97
\$F27A: C0 97	CPY #97
\$F27C: C0 A1	CPY #A1
\$F27E: C0 AA	bF27E CPY #AA
\$F280: C0 AA	CPY #AA
\$F282: C0 AA	bF282 CPY #AA
\$F284: C0 AA	bF284 CPY #AA
\$F286: C0 AA	CPY #AA
\$F288: B0 B5	BCS bF23F
\$F28A: B0 BE	bF28A BCS bF24A
\$F28C: B0 BE	bF28C BCS bF24C



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$F28E: B0 BE    bF28E BCS bF24E
          ROM_CLOSEj =*+$01
$F290: B0 BE    bF290 BCS ROM_CHKOUTj
$F292: B0 BE          BCS bF252
          bF295 =*+$01
$F294: B0 C9          BCS bF25F
$F296: A0 D3          LDY #D3
$F298: A0 D3          LDY #D3
$F29A: A0 D3          LDY #D3
$F29C: A0 D3          LDY #D3
$F29E: A0 D3          LDY #D3
$F2A0: A0 DD          LDY #DD
$F2A2: 90 E6          BCC bF28A
$F2A4: 90 E6          BCC bF28C
$F2A6: 90 E6          BCC bF28E
$F2A8: 90 E6          BCC bF290
$F2AA: 80 E6          NOP #E6
          bF2AD =*+$01
$F2AC: 80 E6          NOP #E6
          bF2AF =*+$01
$F2AE: 80 F0          NOP #F0
$F2B0: 70 FB          BVS bF2AD
          bF2B3 =*+$01
$F2B2: 70 FB          BVS bF2AF
$F2B4: 60            RTS

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bF2B6 =\*+\$01

\$F2B5: FB 50 FB bF2B5 ISC fFB50,Y

\$F2B8: 50 FB BVC bF2B5

\$F2BA: 00 F1 BRK #F1

\$F2BC: 12 JAM

\$F2BD: F1 12 SBC (p12),Y

\$F2BF: F1 12 SBC (p12),Y

\$F2C1: F2 JAM

\$F2C2: 12 JAM

\$F2C3: F1 12 SBC (p12),Y

\$F2C5: F1 12 SBC (p12),Y

\$F2C7: F1 12 SBC (p12),Y

\$F2C9: F2 JAM

\$F2CA: 12 JAM

\$F2CB: F1 12 SBC (p12),Y

\$F2CD: E1 12 bF2CD SBC (p12,X)

\$F2CF: E1 12 bF2CF SBC (p12,X)

\$F2D1: E1 12 bF2D1 SBC (p12,X)

\$F2D3: D2 bF2D3 JAM

\$F2D4: 12 JAM

\$F2D5: D1 12 CMP (p12),Y

\$F2D7: D0 12 BNE aF2EB

\$F2D9: D1 12 CMP (p12),Y

\$F2DB: D1 12 CMP (p12),Y

\$F2DD: D2 JAM

\$F2DE: 12 bF2DE JAM

\$F2DF: C1 12 CMP (p12,X)

\$F2E1: C0 12 CPY # \$12

\$F2E3: C1 12 CMP (p12,X)

\$F2E5: C1 12 CMP (p12,X)

\$F2E7: C2 12 bF2E7 NOP # \$12

\$F2E9: B1 12 LDA (p12),Y

\$F2EB: B1 12 aF2EB LDA (p12),Y

\$F2ED: B0 12 bF2ED BCS bF301

\$F2EF: B1 12 LDA (p12),Y

\$F2F1: B0 12 aF2F1 BCS bF305

bF2F4 =\*+\$01

\$F2F3: A1 12 LDA (p12,X)

\$F2F5: A0 12 LDY # \$12

\$F2F7: 91 12 STA (p12),Y

fF2FA =\*+\$01

\$F2F9: 90 12 BCC bF30D

\$F2FB: 91 12 bF2FB STA (p12),Y

\$F2FD: 71 12 ADC (p12),Y

\$F2FF: 70 12 BVS bF313

\$F301: 00 6F bF301 BRK # \$6F

\$F303: 88 aF303 DEY

bF305 =\*+\$01

\$F304: BD 88 DB LDA fDB88,X

\$F307: 88           DEY  
\$F308: E9 88        SBC #88  
\$F30A: E8           INX  
\$F30B: 77 D6        RRA fD6,X  
\$F30D: 66 A5   bF30D ROR aA5  
          bF310 =\*+\$01  
\$F30F: 55 83   bF30F EOR f83,X  
          bF312 =\*+\$01  
\$F311: 44 00        NOP a00  
          bF314 =\*+\$01  
\$F313: C0 6F   bF313 CPY #6F  
\$F315: F0 7A        BEQ bF391  
          bF318 =\*+\$01  
\$F317: F0 6E        BEQ bF387  
\$F319: F0 7A   bF319 BEQ bF395  
\$F31B: F0 6F        BEQ bF38C  
          bF31E =\*+\$01  
\$F31D: F0 7A        BEQ bF399  
          bF320 =\*+\$01  
\$F31F: F0 6F        BEQ bF390  
\$F321: E0 7A        CPX #7A  
\$F323: D0 6F        BNE bF394  
          bF326 =\*+\$01  
\$F325: C0 7A        CPY #7A  
\$F327: B0 6F        BCS bF398

\$F329: A0 7A bF329 LDY #\$7A

\$F32B: 90 6F BCC bF39C

\$F32D: 80 7A NOP #\$7A

; \$F32F (jmp) - close or abort all files

\$F32F: 70 6F ROM\_CLALLj BVS bF3A0

\$F331: 00 50 BRK #\$50

; \$F333 (jmp) - restore default devices

\$F333: 69 F0 ROM\_CLRCHNj ADC #\$F0

\$F335: 76 E0 ROR fE0,X

\$F337: 82 E0 NOP #\$E0

\$F339: 8A TXA

\$F33A: E0 91 CPX #\$91

\$F33C: E0 98 CPX #\$98

\$F33E: E0 9F CPX #\$9F

\$F340: D0 A5 BNE bF2E7

\$F342: D0 A9 BNE bF2ED

\$F344: D0 AE BNE bF2F4

\$F346: D0 B3 BNE bF2FB

\$F348: C0 B6 CPY #\$B6

; \$F34A (jmp) - open log.file after SETLFS,SETNAM

\$F34A: C0 B8 ROM\_OPENj CPY #\$B8

\$F34C: C0 BA CPY #\$BA

\$F34E: C0 BC	CPY # \$BC
\$F350: B0 BD	BCS bF30F
\$F352: B0 BC	BCS bF310
\$F354: B0 BC	BCS bF312
\$F356: B0 BC	BCS bF314
\$F358: A0 BC	LDY # \$BC
\$F35A: A0 BB	LDY # \$BB
\$F35C: 90 BA	BCC bF318
\$F35E: 90 B9	BCC bF319
\$F360: 80 B9	NOP # \$B9
\$F362: 80 B8	NOP # \$B8
\$F364: 70 B8	BVS bF31E
\$F366: 70 B8	BVS bF320
\$F368: 60	RTS
\$F369: B8	CLV
\$F36A: 60	RTS
\$F36B: B8	CLV
\$F36C: 50 B8	BVC bF326
\$F36E: 50 B9	BVC bF329
\$F370: 40	RTI
\$F371: B9 40 B8	LDA fB840,Y
\$F374: 30 B9	BMI ROM_CLALLj

\$F376: 20 BB 20 JSR s20BB  
\$F379: C0 10 CPY #S10  
\$F37B: C0 10 CPY #S10  
\$F37D: C4 00 CPY a00  
\$F37F: 4E 09 F1 LSR bF109  
\$F382: 0B ED ANC #SED  
\$F384: 0C D2 0F NOP a0FD2  
\$F387: DC 11 D3 bF387 NOP fd311,X  
\$F38A: 11 DB ORA (pDB),Y  
\$F38C: 13 D4 bF38C SLO (pD4),Y  
\$F38E: 13 DA SLO (pDA),Y  
bF391 =\*+\$01  
\$F390: 13 D5 bF390 SLO (pD5),Y  
\$F392: 13 C9 SLO (pC9),Y  
bF395 =\*+\$01  
\$F394: 15 B6 bF394 ORA fB6,X  
\$F396: 15 B8 ORA fB8,X  
bF399 =\*+\$01  
\$F398: 15 A6 bF398 ORA fA6,X  
\$F39A: 15 A7 ORA fA7,X  
\$F39C: 15 87 bF39C ORA f87,X  
\$F39E: 15 77 ORA f77,X  
\$F3A0: 15 77 bF3A0 ORA f77,X  
\$F3A2: 15 47 ORA f47,X  
\$F3A4: 15 37 ORA f37,X

\$F3A6: 15 00      ORA f00,X  
\$F3A8: F1 50      SBC (p50),Y  
\$F3AA: E1 30      SBC (p30,X)  
\$F3AC: F0 50      BEQ bF3FE  
\$F3AE: E0 30      CPX # \$30  
\$F3B0: F1 50      SBC (p50),Y  
\$F3B2: E1 30      SBC (p30,X)  
\$F3B4: F0 50      BEQ bF406  
\$F3B6: E0 30      CPX # \$30  
\$F3B8: F1 50      SBC (p50),Y  
\$F3BA: E1 30      SBC (p30,X)

    aF3BD =\*+\$01

\$F3BC: F0 50      BEQ bF40E  
\$F3BE: E0 30      CPX # \$30  
\$F3C0: F1 50      fF3C0 SBC (p50),Y  
\$F3C2: E1 30      SBC (p30,X)  
\$F3C4: F0 50      BEQ bF416  
\$F3C6: E0 30      CPX # \$30  
\$F3C8: F1 50      SBC (p50),Y  
\$F3CA: E1 30      SBC (p30,X)  
\$F3CC: F0 50      BEQ bF41E  
\$F3CE: E0 30      CPX # \$30  
\$F3D0: F1 50      fF3D0 SBC (p50),Y  
\$F3D2: E1 30      SBC (p30,X)  
\$F3D4: F0 50      BEQ bF426



\$F3D6: E0 30 CPX #30  
\$F3D8: 00 5F BRK #5F  
\$F3DA: AA TAX  
\$F3DB: AF AA AF LAX aAFAA  
\$F3DE: AA TAX  
\$F3DF: AF AA AF LAX aAFAA  
\$F3E2: 99 AF 99 STA a99AF,Y  
\$F3E5: 9F 88 1F AHX f1F88,Y  
\$F3E8: 77 00 RRA f00,X  
\$F3EA: 00 FF BRK #FF  
\$F3EC: 00 FF BRK #FF  
\$F3EE: 00 FF BRK #FF  
\$F3F0: 00 FF aF3F0 BRK #FF  
\$F3F2: 00 FF BRK #FF  
\$F3F4: 00 FF BRK #FF  
\$F3F6: 00 FF BRK #FF  
\$F3F8: 00 FF BRK #FF  
\$F3FA: 00 FF BRK #FF  
\$F3FC: 00 FF fF3FC BRK #FF  
\$F3FE: CC 23 00 bF3FE CPY a0023  
\$F401: 00 00 BRK #00  
\$F403: 00 04 BRK #04  
bF406 =\*+\$01  
\$F405: 07 0A SLO a0A  
\$F407: 0C 01 02 NOP a0201

\$F40A: 0A ASL  
\$F40B: 0B 04 ANC #04  
\$F40D: 08 PHP  
\$F40E: 0A bF40E ASL  
\$F40F: 0B 01 ANC #01  
\$F411: 03 04 SLO (p04,X)  
\$F413: 07 04 SLO a04  
bF416 =\*+01  
\$F415: 07 04 SLO a04  
\$F417: 07 01 SLO a01  
\$F419: 02 JAM  
\$F41A: 04 05 NOP a05  
\$F41C: 04 08 NOP a08  
\$F41E: 04 05 bF41E NOP a05  
\$F420: 02 JAM  
\$F421: 03 0B SLO (p0B,X)  
\$F423: 0C 09 07 NOP a0709  
\$F426: 0B 0C bF426 ANC #0C  
\$F428: 02 JAM  
\$F429: 02 JAM  
\$F42A: 0B 0B ANC #0B  
\$F42C: 09 08 ORA #08  
\$F42E: 0B 0B ANC #0B  
\$F430: 02 JAM  
\$F431: 03 06 SLO (p06,X)

\$F433: 07 09	SLO a09
\$F435: 07 06	SLO a06
\$F437: 07 02	SLO a02
\$F439: 02	JAM
\$F43A: 06 05	ASL a05
\$F43C: 09 08	ORA #08
\$F43E: 06 05	ASL a05
\$F440: 01 03	ORA (p03,X)
\$F442: 0A	ASL
\$F443: 0C 4D 4E	NOP a4E4D
\$F446: 4F 4C 3C	SRE a3C4C
\$F449: 3D 3E 3F	AND f3F3E,X
\$F44C: 19 1A 1B	ORA f1B1A,Y
\$F44F: 1C 22 23	NOP f2322,X
\$F452: 24 25	BIT a25
\$F454: 26 27	ROL a27
\$F456: 28	PLP
\$F457: 29 2A	AND #2A
\$F459: 2B 2C	ANC #2C
\$F45B: 2D 2A 2B	AND a2B2A
\$F45E: 2C 2D 30	BIT a302D
\$F461: 31 32	AND (p32),Y
\$F463: 33 2A	RLA (p2A),Y
\$F465: 2B 2E	ANC #2E
\$F467: 2F 2A 2B	RLA a2B2A

\$F46A: 2E 2F 2A	ROL a2A2F
\$F46D: 2B 2E	ANC #2E
\$F46F: 2F 2A 2B	RLA a2B2A
\$F472: 2E 2F 2A	ROL a2A2F
\$F475: 2B 2E	ANC #2E
\$F477: 2F 2A 2B	RLA a2B2A
\$F47A: 2E 2F 0D	ROL a0D2F
\$F47D: 0E 00 00	ASL e0000
\$F480: 53 54	SRE (p54),Y
\$F482: 55 56	EOR f56,X
\$F484: 52	JAM
\$F485: 12	JAM
\$F486: 13 14	SLO (p14),Y
\$F488: 11 12	ORA (p12),Y
\$F48A: 13 14	SLO (p14),Y
\$F48C: 59 5A 17	EOR f175A,Y
\$F48F: 18	CLC
\$F490: 57 58	SRE f58,X
\$F492: 17 18	SLO f18,X
\$F494: 15 16	ORA f16,X
\$F496: 17 18	SLO f18,X
\$F498: 59 5A 17	EOR f175A,Y
\$F49B: 18	CLC
\$F49C: 57 58	SRE f58,X

; \$F49E (jmp) - load after call SETLFS,SETNAM

\$F49E: 17 18 ROM\_LOADj SLO f18,X

\$F4A0: 15 16 ORA f16,X

\$F4A2: 17 18 SLO f18,X

f4A5 =\*+\$01

\$F4A4: 59 5A 17 EOR f175A,Y

\$F4A7: 18 CLC

\$F4A8: 57 58 SRE f58,X

\$F4AA: 17 18 SLO f18,X

\$F4AC: 15 16 ORA f16,X

\$F4AE: 17 18 SLO f18,X

\$F4B0: 59 5A 17 EOR f175A,Y

\$F4B3: 18 CLC

\$F4B4: 57 58 SRE f58,X

\$F4B6: 17 18 SLO f18,X

\$F4B8: 15 16 ORA f16,X

\$F4BA: 17 18 SLO f18,X

\$F4BC: 38 SEC

\$F4BD: 39 3A 3B AND f3B3A,Y

\$F4C0: 34 35 NOP f35,X

b4C3 =\*+\$01

\$F4C2: 36 37 ROL f37,X

\$F4C4: 50 51 BVC bF517

\$F4C6: 24 25 BIT a25

\$F4C8: 0D 0E 0F ORA a0F0E

\$F4CB: 10 40	BPL bF50D
\$F4CD: 41 42	EOR (p42,X)
\$F4CF: 43 44	SRE (p44,X)
\$F4D1: 45 46	EOR a46
\$F4D3: 47 48	SRE a48
\$F4D5: 49 4A	EOR #\$4A
\$F4D7: 4B 20	ALR #\$20
\$F4D9: 21 1D	AND (p1D,X)
\$F4DB: 1F 20 21	SLO f2120,X
\$F4DE: 1D 1E 20	ORA f201E,X
\$F4E1: 21 1D	AND (p1D,X)
\$F4E3: 1F 00 00	SLO e0000,X
\$F4E6: 00 00	BRK #\$00
\$F4E8: 00 00	BRK #\$00
\$F4EA: 00 00	BRK #\$00
\$F4EC: 00 00	BRK #\$00
\$F4EE: 00 00	BRK #\$00
\$F4F0: 00 00	BRK #\$00
\$F4F2: 00 00	BRK #\$00
\$F4F4: 00 00	fF4F4 BRK #\$00
\$F4F6: 00 00	BRK #\$00
\$F4F8: 00 00	BRK #\$00
\$F4FA: 00 00	BRK #\$00
\$F4FC: 00 00	BRK #\$00

aF4FF =\*+\$01

\$F4FE: 00 00	BRK #00
\$F500: 60	RTS
\$F501: 61 62	ADC (p62,X)
\$F503: 63 64	bF503 RRA (p64,X)
\$F505: 65 66	ADC a66
\$F507: 67 68	RRA a68
\$F509: 69 6A	ADC #6A
\$F50B: 6B 6C	ARR #6C
\$F50D: 6D 6E 6F	bF50D ADC f6F6E
\$F510: 70 71	BVS bF583
\$F512: 72	JAM
\$F513: 73 74	RRA (p74),Y
\$F515: 75 76	ADC f76,X
\$F517: 77 78	bF517 RRA f78,X
\$F519: 79 7A 7B	ADC f7B7A,Y
\$F51C: 7C 7D 7E	NOP f7E7D,X
\$F51F: 7F 80 81	RRA b8180,X
\$F522: 82 83	NOP #83
\$F524: 84 85	STY a85
\$F526: 86 87	STX a87
\$F528: 88	DEY
\$F529: 89 8A	NOP #8A
\$F52B: 8B 8C	XAA #8C
\$F52D: 8D 8E 8F	STA a8F8E

\$F530: 90 91      BCC bF4C3  
\$F532: 92      JAM  
\$F533: 93 94      AHX (p94),Y  
\$F535: 95 96      STA f96,X  
\$F537: 97 98      SAX f98,Y  
\$F539: 99 9A 9B      STA f9B9A,Y  
\$F53C: 9C 9D 9E      SHY f9E9D,X  
\$F53F: 9F A0 A1      AHX bA1A0,Y  
\$F542: A2 A3      LDX #A3  
\$F544: A4 A5      LDY aA5  
\$F546: A6 A7      LDX aA7  
\$F548: A8      TAY  
\$F549: A9 AA      LDA #AA  
\$F54B: AB AC      LAX #AC  
\$F54D: AD AE AF      LDA aFAE  
\$F550: B0 B1      BCS bF503  
\$F552: B2      JAM  
\$F553: B3 B4      LAX (pB4),Y  
\$F555: B5 B6      LDA fB6,X  
\$F557: B7 B8      LAX fB8,Y  
\$F559: B9 BA BB      LDA fBBBA,Y  
\$F55C: BC BD BE      LDY sBEBD,X  
\$F55F: BF 5F 5C fF55F LAX f5C5F,Y  
bF563 =\*+\$01  
\$F562: 5D 5E 5F      EOR f5F5E,X



\$F565: 5C 5D 5E      NOP f5E5D,X

\$F568: 5F 5C 5D      SRE f5D5C,X

\$F56B: 5E 5F 5C      LSR f5C5F,X

\$F56E: 5D 5E 5F      EOR f5F5E,X

\$F571: 5C 5D 5E      NOP f5E5D,X

    aF575 =\*+\$01

\$F574: 5F 5C 5D      SRE f5D5C,X

\$F577: 5E 5F 5C      LSR f5C5F,X

\$F57A: 5D 5E 5F      EOR f5F5E,X

    fF57F =\*+\$02

\$F57D: 5C 5D 5E      NOP f5E5D,X

\$F580: C0 C1          CPY #C1

    bF583 =\*+\$01

\$F582: C2 C3          NOP #C3

\$F584: C4 C5          CPY aC5

\$F586: C6 C7          DEC aC7

\$F588: C8              INY

\$F589: C9 CA          CMP #CA

\$F58B: CB CC          AXS #CC

\$F58D: CD CE CF      CMP aCFCE

\$F590: D0 D1          BNE bF563

\$F592: D2              JAM

\$F593: D3 D4          DCP (pD4),Y

\$F595: D5 D6          CMP fD6,X

\$F597: D7 D8          DCP fD8,X

\$F599: D9 DA DB      CMP fDBDA,Y

\$F59C: DC DD DE      NOP fDEDD,X

\$F59F: DF E0 E1      DCP fE1E0,X

    bF5A3 =\*+\$01

\$F5A2: E2 E3      NOP #E3

\$F5A4: E4 E5      CPX aE5

\$F5A6: E6 E7      INC aE7

\$F5A8: E8      INX

    fF5AA =\*+\$01

\$F5A9: E9 EA      SBC #EA

\$F5AB: EB EC      SBC #EC

\$F5AD: ED EE EF      SBC aEFEE

\$F5B0: F0 F1      BEQ bF5A3

\$F5B2: F2      JAM

\$F5B3: F3 F4      ISC (pF4),Y

\$F5B5: F5 F6      SBC fF6,X

\$F5B7: F7 F8      ISC fF8,X

\$F5B9: F9 FA FB      SBC fFBFA,Y

\$F5BC: FC FD FE      NOP fFEFD,X

\$F5BF: FF 00 00      ISC e0000,X

\$F5C2: 00 00      BRK #00

\$F5C4: 00 00      BRK #00

\$F5C6: 00 00      BRK #00

\$F5C8: 00 00      BRK #00

\$F5CA: 00 00      BRK #00

\$F5CC: 00 00 BRK # \$00  
\$F5CE: 00 00 BRK # \$00  
\$F5D0: 00 00 BRK # \$00  
\$F5D2: 00 00 BRK # \$00  
\$F5D4: 00 00 BRK # \$00  
\$F5D6: 00 00 BRK # \$00  
\$F5D8: 00 00 BRK # \$00  
\$F5DA: 00 00 BRK # \$00

ROM\_SAVEj =\*+\$01

\$F5DC: 00 00 BRK # \$00  
\$F5DE: 00 00 BRK # \$00  
\$F5E0: 00 00 BRK # \$00  
\$F5E2: 00 00 BRK # \$00  
\$F5E4: 00 00 BRK # \$00  
\$F5E6: 00 00 BRK # \$00  
\$F5E8: 00 00 BRK # \$00  
\$F5EA: 00 00 fF5EA BRK # \$00  
\$F5EC: 00 00 BRK # \$00  
\$F5EE: 00 00 BRK # \$00  
\$F5F0: 00 00 BRK # \$00  
\$F5F2: 00 00 BRK # \$00  
\$F5F4: 00 00 BRK # \$00  
\$F5F6: 00 00 BRK # \$00

fF5F9 =\*+\$01

\$F5F8: 00 00 BRK # \$00

\$F5FA: 00 00 fF5FA BRK # \$00

fF5FD =\*+\$01

\$F5FC: 00 00 BRK # \$00

fF5FF =\*+\$01

\$F5FE: 00 00 BRK # \$00

\$F600: 08 PHP

\$F601: 08 PHP

\$F602: 08 aF602 PHP

\$F603: 08 PHP

\$F604: 0A fF604 ASL

\$F605: 0A ASL

\$F606: 0A ASL

\$F607: 0A ASL

\$F608: 0A ASL

\$F609: 0A ASL

\$F60A: 0A ASL

\$F60B: 0A ASL

\$F60C: 0A ASL

\$F60D: 0A ASL

\$F60E: 0A ASL

\$F60F: 0A ASL

\$F610: 0A ASL

\$F611: 0A ASL

\$F612: 0A ASL

\$F613: 0A ASL

\$F614: 0A	ASL
\$F615: 0A	ASL
\$F616: 0A	ASL
\$F617: 0A	ASL
\$F618: 0A	ASL
\$F619: 0A	ASL
\$F61A: 0A	ASL
\$F61B: 0A	ASL
\$F61C: 0A	ASL
\$F61D: 0A	ASL
\$F61E: 0A	ASL
\$F61F: 0A	ASL
\$F620: 0A	ASL
\$F621: 0A	ASL
\$F622: 0A	ASL
\$F623: 0A	ASL
\$F624: 0A	ASL
\$F625: 0A	ASL
\$F626: 0A	ASL
\$F627: 0A	ASL
\$F628: 0A	ASL
\$F629: 0A	ASL
\$F62A: 0A	ASL
\$F62B: 0A	ASL
\$F62C: 0A	ASL

\$F62D: 0A	ASL
\$F62E: 0A	ASL
\$F62F: 0A	ASL
\$F630: 0A	ASL
\$F631: 0A	ASL
\$F632: 0A	ASL
\$F633: 0A	ASL
\$F634: 0A	ASL
\$F635: 0A	ASL
\$F636: 0A	ASL
\$F637: 0A	ASL
\$F638: 0A	ASL
\$F639: 0A	ASL
\$F63A: 0A	ASL
\$F63B: 0A	ASL
\$F63C: 0A	ASL
\$F63D: 0A	ASL
\$F63E: 0A	ASL
\$F63F: 0A	ASL
\$F640: 0A	ASL
\$F641: 0A	ASL
\$F642: 0A	ASL
\$F643: 0A	ASL
\$F644: 0B 0B	ANC # \$0B
\$F646: 0B 0B	ANC # \$0B

\$F648: 0B 0B	ANC #0B
\$F64A: 0B 0B	ANC #0B
\$F64C: 0A	ASL
\$F64D: 0A	ASL
\$F64E: 0A	ASL
\$F64F: 0A	ASL
\$F650: 0F 0F 0F	SLO a0F0F
\$F653: 0F 0A 0A	SLO a0A0A
\$F656: 0A	ASL
\$F657: 0A	ASL
\$F658: 0E 0E 0E	ASL a0E0E
\$F65B: 0E 0F 0F	ASL a0F0F
\$F65E: 0F 0F 0A	SLO a0A0F
\$F661: 0A	ASL
\$F662: 0F 0A 0F	SLO a0F0A
\$F665: 0F 0F 0F	SLO a0F0F
\$F668: 0C 0C 0C	NOP a0C0C
fF66C =*+\$01	
\$F66B: 0C 0D 0D	NOP a0D0D
\$F66E: 0D 0D 0A	ORA a0A0D
\$F671: 0A	ASL
\$F672: 0A	ASL
\$F673: 0A	ASL
\$F674: 0E 0E 0E	ASL a0E0E
\$F677: 0E 0B 0B	ASL a0B0B

\$F67A: 0B 0B      ANC # \$0B  
\$F67C: 0F 0F 0F      SLO a0F0F  
\$F67F: 0F 0B 0B      SLO a0B0B  
\$F682: 0B 0B      ANC # \$0B  
\$F684: 0B 0B      ANC # \$0B  
\$F686: 0B 0B      ANC # \$0B  
\$F688: 0B 0B      ANC # \$0B  
\$F68A: 0B 0B      ANC # \$0B  
\$F68C: 0B 0B      ANC # \$0B  
\$F68E: 0B 0B      ANC # \$0B  
\$F690: 0B 0B      ANC # \$0B  
\$F692: 0B 0B      ANC # \$0B  
\$F694: 0B 0B      ANC # \$0B  
\$F696: 0B 0B      ANC # \$0B  
\$F698: 0B 0B      ANC # \$0B

ROM\_UDTIMj =\*+\$01

\$F69A: 0B 0B      ANC # \$0B  
\$F69C: 0B 0B      ANC # \$0B  
\$F69E: 0B 0B      ANC # \$0B  
\$F6A0: 0B 0B      ANC # \$0B  
\$F6A2: 0B 0B      ANC # \$0B  
\$F6A4: 0B 0B      ANC # \$0B  
\$F6A6: 0B 0B      ANC # \$0B  
\$F6A8: 0B 0B      ANC # \$0B  
\$F6AA: 0B 0B      ANC # \$0B



\$F6AC: 0B 0B	ANC # \$0B
\$F6AE: 0B 0B	ANC # \$0B
\$F6B0: 0B 0B	ANC # \$0B
\$F6B2: 0B 0B	ANC # \$0B
\$F6B4: 0B 0B	ANC # \$0B
\$F6B6: 0B 0B	ANC # \$0B
\$F6B8: 0B 0B	ANC # \$0B
\$F6BA: 0B 0B	ANC # \$0B
\$F6BC: 0E 0E 0E	ASL a0E0E
\$F6BF: 0E 0A 0A	ASL a0A0A
\$F6C2: 0A	ASL
\$F6C3: 0A	ASL
\$F6C4: 0F 0F 0F	SLO a0F0F
\$F6C7: 0F 0F 0F	SLO a0F0F
fF6CC =*+\$02	
\$F6CA: 0F 0F 0A	SLO a0A0F
\$F6CD: 0A	ASL
\$F6CE: 0A	ASL
\$F6CF: 0A	ASL
\$F6D0: 0A	ASL
\$F6D1: 0A	ASL
\$F6D2: 0A	ASL
\$F6D3: 0A	ASL
\$F6D4: 0A	ASL
\$F6D5: 0A	ASL

```

$F6D6: 0A      ASL
$F6D7: 0A      ASL
$F6D8: 01 01   ORA (p01,X)
$F6DA: 00 00   BRK #$00
          ROM_RDTIMj =*+$01
$F6DC: 01 01   ORA (p01,X)
$F6DE: 01 01   ORA (p01,X)
$F6E0: 01 01   ORA (p01,X)
$F6E2: 01 01   ORA (p01,X)

          ; $F6E4 (jmp) - set jiffy clock
$F6E4: 00 00   ROM_SETTIMj BRK #$00
$F6E6: 00 00   BRK #$00
$F6E8: 00 00   BRK #$00
$F6EA: 00 00   BRK #$00
          ROM_STOPj =*+$01
$F6EC: 00 00   BRK #$00
$F6EE: 00 00   BRK #$00
$F6F0: 00 00   BRK #$00
$F6F2: 00 00   BRK #$00
$F6F4: 00 00   BRK #$00
$F6F6: 00 00   aF6F6 BRK #$00
$F6F8: 00 00   BRK #$00
$F6FA: 00 00   BRK #$00
$F6FC: 08      PHP

```

\$F6FD: 08	PHP
\$F6FE: 08	PHP
\$F6FF: 08	PHP
\$F700: 0B 0B	ANC # \$0B
\$F702: 0B 0B	ANC # \$0B
\$F704: 0B 0B	ANC # \$0B
\$F706: 0B 0B	ANC # \$0B
\$F708: 0B 0B	ANC # \$0B
\$F70A: 0B 0B	ANC # \$0B
\$F70C: 0B 0B	ANC # \$0B
\$F70E: 0B 0B	ANC # \$0B
\$F710: 0B 0B	ANC # \$0B
\$F712: 0B 0B	ANC # \$0B
\$F714: 0B 0B	ANC # \$0B
\$F716: 0B 0B	ANC # \$0B
\$F718: 0B 0B	ANC # \$0B
\$F71A: 0B 0B	ANC # \$0B
\$F71C: 0B 0B	ANC # \$0B
\$F71E: 0B 0B	ANC # \$0B
\$F720: 0A	ASL
\$F721: 0A	ASL
\$F722: 0A	ASL
\$F723: 0A	ASL
\$F724: 0A	ASL
\$F725: 0A	ASL

\$F726: 0A	ASL
\$F727: 0A	ASL
\$F728: 0A	ASL
\$F729: 0A	ASL
\$F72A: 0A	ASL
\$F72B: 0A	ASL
\$F72C: 0A	ASL
\$F72D: 0A	ASL
\$F72E: 0A	ASL
\$F72F: 0A	ASL
\$F730: 0A	ASL
\$F731: 0A	ASL
\$F732: 0A	ASL
\$F733: 0A	ASL
\$F734: 0A	ASL
\$F735: 0A	ASL
\$F736: 0A	ASL
\$F737: 0A	ASL
\$F738: 0A	ASL
\$F739: 0A	ASL
\$F73A: 0A	ASL
\$F73B: 0A	ASL
\$F73C: 0A	ASL
\$F73D: 0A	ASL
\$F73E: 0A	ASL

\$F73F: 0A	ASL
\$F740: 0A	ASL
\$F741: 0A	ASL
\$F742: 0A	ASL
\$F743: 0A	ASL
\$F744: 0A	ASL
\$F745: 0A	ASL
\$F746: 0A	ASL
\$F747: 0A	ASL
\$F748: 0A	ASL
\$F749: 0A	ASL
\$F74A: 0A	ASL
\$F74B: 0A	ASL
\$F74C: 0A	ASL
\$F74D: 0A	ASL
\$F74E: 0A	ASL
\$F74F: 0A	ASL
\$F750: 0A	ASL
\$F751: 0A	ASL
\$F752: 0A	ASL
\$F753: 0A	ASL
\$F754: 0A	ASL
\$F755: 0A	ASL
\$F756: 0A	ASL
\$F757: 0A	ASL

\$F758: 0A	ASL
\$F759: 0A	ASL
\$F75A: 0A	ASL
\$F75B: 0A	ASL
\$F75C: 0A	ASL
\$F75D: 0A	ASL
\$F75E: 0A	ASL
\$F75F: 0A	ff75F ASL
\$F760: 0D 0D 0D	ORA a0D0D
\$F763: 0D 0D 0D	ORA a0D0D
\$F766: 0D 0D 0D	ORA a0D0D
\$F769: 0D 0D 0D	ORA a0D0D
\$F76C: 0D 0D 0D	ORA a0D0D
\$F76F: 0D 0D 0D	ORA a0D0D
\$F772: 0D 0D 0D	ORA a0D0D
\$F775: 0D 0D 0D	ORA a0D0D
\$F778: 0D 0D 0D	ORA a0D0D
\$F77B: 0D 0D 0D	ORA a0D0D
ff77F =*+\$01	
\$F77E: 0D 0D 0C	ORA a0C0D
\$F781: 0C 0C 0C	NOP a0C0C
\$F784: 0C 0C 0C	NOP a0C0C
\$F787: 0C 0C 0C	NOP a0C0C
\$F78A: 0C 0C 0C	NOP a0C0C
\$F78D: 0C 0C 0C	NOP a0C0C

\$F790: 0C 0C 0C	NOP a0C0C
\$F793: 0C 0C 0C	NOP a0C0C
\$F796: 0C 0C 0C	NOP a0C0C
\$F799: 0C 0C 0C	NOP a0C0C
\$F79C: 0C 0C 0C	NOP a0C0C
\$F79F: 0C 0C 0C	NOP a0C0C
\$F7A2: 0C 0C 0C	NOP a0C0C
\$F7A5: 0C 0C 0C	NOP a0C0C
\$F7A8: 0C 0C 0C	NOP a0C0C
\$F7AB: 0C 0C 0C	NOP a0C0C
\$F7AE: 0C 0C 0C	NOP a0C0C
\$F7B1: 0C 0C 0C	NOP a0C0C
\$F7B4: 0C 0C 0C	NOP a0C0C
\$F7B7: 0C 0C 0C	NOP a0C0C
\$F7BA: 0C 0C 0C	NOP a0C0C

f7BF =\*+\$02

\$F7BD: 0C 0C 0C	NOP a0C0C
\$F7C0: 00 FF	BRK #\$FF
\$F7C2: 00 FF	BRK #\$FF
\$F7C4: 00 FF	BRK #\$FF
\$F7C6: 00 FF	BRK #\$FF
\$F7C8: 00 FF	BRK #\$FF
\$F7CA: 00 FF	BRK #\$FF
\$F7CC: 00 FF	BRK #\$FF
\$F7CE: 00 FF	BRK #\$FF

\$F7D0: 00 FF BRK # \$FF

\$F7D2: 00 FF BRK # \$FF

\$F7D4: 00 FF BRK # \$FF

\$F7D6: 00 FF BRK # \$FF

\$F7D8: 00 FF BRK # \$FF

\$F7DA: 00 FF BRK # \$FF

\$F7DC: 00 FF BRK # \$FF

fF7DF =\*+\$01

\$F7DE: 00 FF BRK # \$FF

\$F7E0: 00 FF BRK # \$FF

\$F7E2: 00 FF BRK # \$FF

\$F7E4: 00 FF BRK # \$FF

\$F7E6: 00 FF BRK # \$FF

\$F7E8: 00 FF BRK # \$FF

\$F7EA: 00 FF BRK # \$FF

\$F7EC: 00 FF BRK # \$FF

\$F7EE: 00 FF BRK # \$FF

\$F7F0: 00 FF BRK # \$FF

\$F7F2: 00 FF BRK # \$FF

\$F7F4: 00 FF BRK # \$FF

fF7F7 =\*+\$01

\$F7F6: 00 FF BRK # \$FF

\$F7F8: 00 FF BRK # \$FF

fF7FB =\*+\$01

\$F7FA: 00 FF BRK # \$FF



```

$F7FC: 00 FF      BRK #$FF

          fF7FF =*+$01

          fF800 =*+$02

$F7FE: 9C 23 D0    SHY $D023,X ;Background Color 2, Multi-Color Register 1

$F801: A9 08      LDA #$08

$F803: 8D 25 D0    STA $D025 ;Sprite Multi-Color Register 0

$F806: A9 07      LDA #$07

$F808: 8D 26 D0    STA $D026 ;Sprite Multi-Color Register 1

$F80B: 20 1A 37    JSR s371A

$F80E: A2 00      LDX #$00

$F810: BD 80 4B    bF810 LDA f4B80,X

$F813: 9D 00 80    STA f8000,X

$F816: BD C0 4C    LDA f4CC0,X

$F819: 9D C0 80    STA f80C0,X

$F81C: BD 00 4E    LDA f4E00,X

$F81F: 9D 80 81    STA b8180,X

$F822: BD 40 4F    LDA f4F40,X

$F825: 9D 40 82    STA f8240,X

$F828: BD 80 50    LDA f5080,X

$F82B: 9D 00 83    STA f8300,X

$F82E: E8        INX

$F82F: E0 C0      CPX #$C0

$F831: D0 DD      BNE bf810

$F833: 20 0A 36    JSR s360A

$F836: A9 D0      LDA #<p84D0

```

\$F838: 85 F9	STA aF9
\$F83A: A9 84	LDA #>p84D0
\$F83C: 85 FA	STA aFA
\$F83E: A9 20	LDA #<p2820
\$F840: 85 FB	STA aFB
\$F842: A9 28	LDA #>p2820
\$F844: 85 FC	STA aFC
\$F846: 20 41 36	JSR s3641
\$F849: A9 68	LDA #<p8668
\$F84B: 85 F9	STA aF9
\$F84D: A9 86	LDA #>p8668
\$F84F: 85 FA	STA aFA
\$F851: A9 2B	LDA #<p282B
\$F853: 85 FB	STA aFB
\$F855: A9 28	LDA #>p282B
\$F857: 85 FC	STA aFC
\$F859: 20 41 36	JSR s3641
\$F85C: A0 1E	LDY #\$1E
\$F85E: 20 99 35	JSR s3599
\$F861: 20 A0 35	JSR s35A0
\$F864: A9 01	LDA #\$01
\$F866: 20 2E 37	JSR s372E
\$F869: A9 0F	LDA #\$0F
\$F86B: 8D 15 D0	STA \$D015 ;Sprite display Enable
\$F86E: 20 F4 37	bF86E JSR s37F4

\$F871: A0 01	LDY #\$01
\$F873: 20 23 37	JSR s3723
\$F876: 20 AF 36	JSR s36AF
\$F879: A5 FD	LDA aFD
\$F87B: C9 FF	CMP #\$FF
\$F87D: F0 EF	BEQ bF86E
\$F87F: AD 01 DC	LDA \$DC01 ;CIA1: Data Port Register B
\$F882: 29 10	AND #\$10
\$F884: D0 E8	BNE bF86E
\$F886: A9 00	LDA #\$00
\$F888: 8D 15 D0	STA \$D015 ;Sprite display Enable
\$F88B: 20 D5 35	JSR s35D5
\$F88E: 20 0A 36	JSR s360A
\$F891: A9 D0	LDA #<p84D0
\$F893: 85 F9	STA aF9
\$F895: A9 84	LDA #>p84D0
\$F897: 85 FA	STA aFA
\$F899: A9 33	LDA #<p2833
\$F89B: 85 FB	STA aFB
\$F89D: A9 28	LDA #>p2833
\$F89F: 85 FC	STA aFC
\$F8A1: 20 41 36	JSR s3641
\$F8A4: A9 68	LDA #<p8668
\$F8A6: 85 F9	STA aF9
\$F8A8: A9 86	aF8A8 LDA #>p8668

\$F8AA: 85 FA	STA aFA
\$F8AC: A9 49	LDA #<p2849
\$F8AE: 85 FB	STA aFB
\$F8B0: A9 28	LDA #>p2849
\$F8B2: 85 FC	STA aFC
\$F8B4: 20 41 36	JSR s3641
\$F8B7: A9 40	LDA #<p8540
\$F8B9: 85 F9	STA aF9
\$F8BB: A9 85	LDA #>p8540
\$F8BD: 85 FA	STA aFA
\$F8BF: 20 A0 35	JSR s35A0
\$F8C2: A0 19	LDY #\$19
\$F8C4: 20 99 35	JSR s3599
\$F8C7: 20 D5 35	JSR s35D5
\$F8CA: A9 0F	LDA #\$0F
\$F8CC: 8D 15 D0	STA \$D015 ;Sprite display Enable
\$F8CF: 20 F4 37	bF8CF JSR s37F4
\$F8D2: A0 01	LDY #\$01
\$F8D4: 20 23 37	JSR s3723
\$F8D7: 20 6C 35	JSR s356C
\$F8DA: AD 01 DC	LDA \$DC01 ;CIA1: Data Port Register B
\$F8DD: 29 10	AND #\$10
\$F8DF: D0 EE	BNE bF8CF
\$F8E1: AD 72 38	aF8E1 LDA a3872
\$F8E4: 8D FE CF	STA aCFFE

```

$F8E7: A9 00      LDA #$00
$F8E9: 8D 15 D0   STA $D015 ;Sprite display Enable
$F8EC: 20 D5 35   JSR s35D5
$F8EF: AD 04 DC fF8EF LDA $DC04 ;CIA1: Timer A: Low-Byte
$F8F2: 29 03      AND #$03
$F8F4: CD FE CF   CMP aCFFE
                aF8F8 =*+$01
$F8F7: F0 F6      BEQ fF8EF
$F8F9: 8D FF CF   STA aCFFF
$F8FC: A5 FD fF8FC LDA aFD
$F8FE: C9 01      CMP #$01
$F900: F0 66      BEQ bF968
$F902: 20 0A 36   JSR s360A
$F905: A9 D0      LDA #<p84D0
$F907: 85 F9      STA aF9
$F909: A9 84      LDA #>p84D0
$F90B: 85 FA      STA aFA
$F90D: A9 3E      LDA #<p283E
$F90F: 85 FB      STA aFB
$F911: A9 28      LDA #>p283E
$F913: 85 FC      STA aFC
$F915: 20 41 36   JSR s3641
$F918: A9 68      LDA #<p8668
$F91A: 85 F9      STA aF9
$F91C: A9 86      LDA #>p8668

```

\$F91E: 85 FA        STA aFA  
\$F920: A9 49        LDA #<p2849  
                  aF923 =\*+\$01  
\$F922: 85 FB        STA aFB  
\$F924: A9 28        LDA #>p2849  
\$F926: 85 FC        STA aFC  
\$F928: 20 41 36     JSR s3641  
\$F92B: A9 40        LDA #<p8540  
\$F92D: 85 F9        STA aF9  
\$F92F: A9 85        LDA #>p8540  
\$F931: 85 FA        STA aFA  
\$F933: 20 A0 35     JSR s35A0  
\$F936: A0 19        LDY #\$19  
\$F938: 20 99 35     JSR s3599  
\$F93B: 20 D5 35     JSR s35D5  
\$F93E: A9 0F        LDA #\$0F  
\$F940: 8D 15 D0     STA \$D015 ;Sprite display Enable  
\$F943: 20 F4 37 bF943 JSR s37F4  
\$F946: A0 00        LDY #\$00  
\$F948: 20 23 37     JSR s3723  
\$F94B: 20 6C 35     JSR s356C  
\$F94E: AD 00 DC     LDA \$DC00 ;CIA1: Data Port Register A  
\$F951: 29 10        AND #\$10  
\$F953: D0 EE        BNE bF943  
\$F955: AD 72 38     LDA a3872

\$F958: CD FE CF      CMP aCFFE  
\$F95B: F0 E6        BEQ bF943  
\$F95D: 8D FF CF      STA aCFFF  
\$F960: A9 00        LDA #\$00  
\$F962: 8D 15 D0      STA \$D015 ;Sprite display Enable  
\$F965: 20 D5 35      JSR s35D5  
\$F968: 58        bF968 CLI  
\$F969: A9 37        LDA #\$37  
\$F96B: 85 01        STA a01  
\$F96D: A9 00        LDA #<p8400  
\$F96F: 85 F9        STA aF9  
\$F971: A9 84        LDA #>p8400  
\$F973: 85 FA        STA aFA  
\$F975: A9 50        LDA #<p2850  
\$F977: 85 FB        STA aFB  
\$F979: A9 28        LDA #>p2850  
\$F97B: 85 FC        STA aFC  
\$F97D: 20 41 36      JSR s3641  
\$F980: 20 B3 34      JSR s34B3  
\$F983: A0 0A        LDY #\$0A  
\$F985: 20 99 35      JSR s3599  
\$F988: A9 00        LDA #\$00  
\$F98A: 8D FD CF      STA aCFFD  
\$F98D: A2 06        LDX #\$06  
\$F98F: A9 00        LDA #\$00

\$F991: 8D FD BF	STA fBFFD
\$F994: A0 0A	LDY #\$0A
\$F996: 20 99 35	JSR s3599
\$F999: A2 06	LDX #\$06
\$F99B: 20 15 39	JSR s3915
\$F99E: 4C 00 80	JMP f8000
\$F9A1: A9 00	LDA #<p8400
\$F9A3: 85 F7	STA aF7
\$F9A5: A9 84	LDA #>p8400
\$F9A7: 85 F8	STA aF8
\$F9A9: A9 80	LDA #<p8480
\$F9AB: 85 F9	STA aF9
\$F9AD: A9 84	LDA #>p8480
\$F9AF: 85 FA	STA aFA
\$F9B1: A0 08	LDY #\$08
\$F9B3: A2 01	bF9B3 LDX #\$01
\$F9B5: BD F0 5E	bF9B5 LDA f5EF0,X
\$F9B8: 9D EF 5E	STA f5EEF,X
\$F9BB: BD A0 5E	LDA f5EA0,X
\$F9BE: 9D 9F 5E	STA f5E9F,X
\$F9C1: BD 50 5E	LDA f5E50,X
\$F9C4: 9D 4F 5E	STA f5E4F,X
\$F9C7: BD 00 5E	LDA f5E00,X
\$F9CA: 9D FF 5D	STA f5DFF,X



\$F9CD: E8	INX
\$F9CE: E0 51	CPX #\$51
\$F9D0: D0 E3	BNE bF9B5
\$F9D2: 98	TYA
\$F9D3: 48	PHA
\$F9D4: A0 00	LDY #\$00
\$F9D6: A2 27	LDX #\$27
\$F9D8: B1 F7	bF9D8 LDA (pF7),Y
\$F9DA: 99 07 5E	STA f5E07,Y
\$F9DD: B1 F9	LDA (pF9),Y
\$F9DF: 99 87 5E	STA f5E87,Y
\$F9E2: 18	CLC
\$F9E3: 98	TYA
\$F9E4: 69 08	ADC #\$08
\$F9E6: A8	TAY
\$F9E7: CA	DEX
\$F9E8: 10 EE	BPL bF9D8
\$F9EA: 68	PLA
\$F9EB: A8	TAY
	aF9ED =*+\$01
\$F9EC: E6 F7	INC aF7
\$F9EE: E6 F9	INC aF9
\$F9F0: 88	DEY
\$F9F1: 98	TYA
\$F9F2: 48	PHA

fF9F4 =\*+\$01

\$F9F3: A0 02 LDY #\$02

\$F9F5: 20 99 35 JSR s3599

\$F9F8: 68 PLA

\$F9F9: A8 TAY

\$F9FA: D0 B7 BNE bF9B3

\$F9FC: 60 RTS

\$F9FD: A0 00 fF9FD LDY #\$00

\$F9FF: 98 TYA

\$FA00: 99 00 D8 bFA00 STA fD800,Y

\$FA03: 99 00 D9 STA fD900,Y

\$FA06: 99 00 DA STA fDA00,Y

\$FA09: 99 00 DB STA fDB00,Y

\$FA0C: 88 DEY

\$FA0D: D0 F1 BNE bFA00

\$FA0F: A9 00 LDA #<fD800

\$FA11: 85 FB STA aFB

\$FA13: A9 D8 LDA #>fD800

\$FA15: 85 FC STA aFC

\$FA17: A2 19 LDX #\$19

\$FA19: A0 28 bFA19 LDY #\$28

\$FA1B: B1 F7 LDA (pF7),Y

\$FA1D: 88 DEY

\$FA1E: 91 FB bFA1E STA (pFB),Y

\$FA20: 88	DEY
\$FA21: 10 FB	BPL bFA1E
\$FA23: A0 27	LDY #27
\$FA25: B1 F7	bFA25 LDA (pF7),Y
\$FA27: 38	SEC
\$FA28: E9 20	SBC #20
\$FA2A: 91 F9	STA (pF9),Y
\$FA2C: 88	DEY
\$FA2D: 10 F6	BPL bFA25
\$FA2F: 18	CLC
\$FA30: A5 F7	LDA aF7
\$FA32: 69 29	ADC #29
\$FA34: 85 F7	STA aF7
\$FA36: A9 00	LDA #00
\$FA38: 65 F8	ADC aF8
\$FA3A: 85 F8	STA aF8
\$FA3C: 18	CLC
\$FA3D: A5 F9	LDA aF9
\$FA3F: 69 28	ADC #28
\$FA41: 85 F9	STA aF9
\$FA43: A9 00	LDA #00
\$FA45: 65 FA	ADC aFA
\$FA47: 85 FA	STA aFA
\$FA49: 18	CLC
\$FA4A: A5 FB	LDA aFB

\$FA4C: 69 28      ADC #\$28

\$FA4E: 85 FB      STA aFB

\$FA50: A9 00      LDA #\$00

\$FA52: 65 FC      ADC aFC

\$FA54: 85 FC      STA aFC

\$FA56: CA          DEX

\$FA57: D0 C0      BNE bFA19

\$FA59: 60          RTS

\$FA5A: AD 71 38    LDA a3871

\$FA5D: C9 5C      CMP #\$5C

\$FA5F: B0 13      BCS bFA74

\$FA61: AD 70 38    LDA a3870

\$FA64: C9 92      CMP #\$92

\$FA66: B0 06      BCS bFA6E

\$FA68: A9 00      LDA #\$00

\$FA6A: 8D 72 38    STA a3872

\$FA6D: 60          RTS

\$FA6E: A9 01    bFA6E LDA #\$01

\$FA70: 8D 72 38    STA a3872

\$FA73: 60          RTS

\$FA74: AD 70 38    bFA74 LDA a3870

\$FA77: C9 92      CMP #\$92

\$FA79: B0 06        BCS bFA81

\$FA7B: A9 03        LDA #03

\$FA7D: 8D 72 38     STA a3872

\$FA80: 60            RTS

\$FA81: A9 02    bFA81   LDA #02

\$FA83: 8D 72 38     STA a3872

\$FA86: 60            RTS

\$FA87: 20 F4 37   bFA87   JSR s37F4

\$FA8A: 88            DEY

\$FA8B: D0 FA        BNE bFA87

\$FA8D: 60            RTS

\$FA8E: A2 00        LDX #00

\$FA90: BD 49 39   bFA90   LDA f3949,X

\$FA93: 85 F9        STA aF9

\$FA95: BD E9 39     LDA f39E9,X

\$FA98: 85 F7        STA aF7

\$FA9A: E8            INX

\$FA9B: BD 49 39     LDA f3949,X

    fFA9F =\*+01

\$FA9E: 85 FA        STA aFA

\$FAA0: BD E9 39     LDA f39E9,X

\$FAA3: 85 F8        STA aF8

\$FAA5: E8            INX  
\$FAA6: 18            CLC  
\$FAA7: A9 18        LDA #\$18  
\$FAA9: 8D 4A 38     STA a384A  
\$FAAC: A0 00    aFAAC LDY #\$00  
\$FAAE: B1 F7    bFAAE LDA (pF7),Y  
\$FAB0: 91 F9        STA (pF9),Y  
\$FAB2: 98            TYA  
\$FAB3: 69 08        ADC #\$08  
\$FAB5: A8            TAY  
\$FAB6: CE 4A 38     DEC a384A  
\$FAB9: D0 F3        BNE bFAAE  
\$FABB: 20 F4 37     JSR s37F4  
\$FABE: E0 50        CPX #\$50  
\$FAC0: D0 CE        BNE bFA90  
\$FAC2: 60            RTS  
  
\$FAC3: A2 4F        LDX #\$4F  
\$FAC5: BD 49 39    bFAC5 LDA f3949,X  
\$FAC8: 85 FA        STA aFA  
\$FACA: BD 99 39     LDA f3999,X  
\$FACD: 85 F8        STA aF8  
\$FACF: CA            DEX  
\$FAD0: BD 49 39     LDA f3949,X  
\$FAD3: 85 F9        STA aF9

\$FAD5: BD 99 39 LDA f3999,X

\$FAD8: 85 F7 STA aF7

\$FADA: CA DEX

\$FADB: 18 CLC

\$FADC: A9 18 LDA #\$18

\$FADE: 8D 4A 38 STA a384A

\$FAE1: A0 00 LDY #\$00

\$FAE3: B1 F7 bFAE3 LDA (pF7),Y

\$FAE5: 91 F9 STA (pF9),Y

\$FAE7: 98 TYA

\$FAE8: 69 08 ADC #\$08

\$FAEA: A8 TAY

fFAEC =\*+\$01

\$FAEB: CE 4A 38 aFAEB DEC a384A

\$FAEE: D0 F3 aFAEE BNE bFAE3

\$FAF0: 20 F4 37 JSR s37F4

\$FAF3: E0 FF CPX #\$FF

\$FAF5: D0 CE BNE bFAC5

\$FAF7: 60 RTS

\$FAF8: A9 00 LDA #\$00

\$FAFA: AA aFAFA TAX

\$FAFB: 9D 00 84 bFAFB STA p8400,X

\$FAFE: 9D C0 84 STA f84C0,X

\$FB01: 9D 80 85 STA f8580,X

\$FB04: 9D 40 86	STA f8640,X
\$FB07: 9D 00 87	STA f8700,X
\$FB0A: E8	INX
\$FB0B: E0 C0	CPX #C0
\$FB0D: D0 EC	BNE bFAFB
\$FB0F: 60	RTS
\$FB10: A9 D0	LDA #<p4CD0
\$FB12: 85 F9	STA aF9
\$FB14: A9 4C	LDA #>p4CD0
\$FB16: 85 FA	STA aFA
\$FB18: 4C 35 36	JMP j3635
\$FB1B: A9 40	LDA #<p4D40
\$FB1D: 85 F9	STA aF9
\$FB1F: A9 4D	LDA #>p4D40
\$FB21: 85 FA	STA aFA
\$FB23: A0 2F	LDY #F2F
\$FB25: A9 FF	bFB25 LDA #FF
\$FB27: 51 F9	EOR (pF9),Y
\$FB29: 91 F9	STA (pF9),Y
\$FB2B: 88	DEY
\$FB2C: 10 F7	BPL bFB25
\$FB2E: 60	RTS



\$FB2F: A0 FF	LDY # \$FF
\$FB31: 8C 48 39	STY a3948
\$FB34: A9 00	LDA # \$00
\$FB36: 8D 4A 38	STA a384A
\$FB39: AC 48 39	LDY a3948
\$FB3C: C8	INY
\$FB3D: B1 FB	LDA (pFB),Y
\$FB3F: 30 5B	BMI bFB9C
\$FB41: 8C 48 39	STY a3948
\$FB44: 38	SEC
\$FB45: E9 20	SBC # \$20
\$FB47: 0A	ASL
\$FB48: 0A	ASL
\$FB49: 2E 4A 38	ROL a384A
\$FB4C: 0A	ASL
\$FB4D: 2E 4A 38	ROL a384A
\$FB50: 69 00	fFB50 ADC # \$00
\$FB52: 85 F7	STA aF7
\$FB54: AD 4A 38	LDA a384A
\$FB57: 69 70	ADC # \$70
\$FB59: 85 F8	STA aF8
	bFB5C =*+ \$01
\$FB5B: A0 00	LDY # \$00
\$FB5D: B1 F7	LDA (pF7),Y
\$FB5F: 3B 4A 04	RLA f044A,Y

\$FB62: AA	TAX
\$FB63: BD 39 3A	LDA f3A39,X
\$FB66: 91 F9	STA (pF9),Y
\$FB68: C8	INY
\$FB69: C0 08	CPY # \$08
\$FB6B: D0 EF	BNE bFB5C
\$FB6D: 18	CLC
\$FB6E: A5 F9	LDA aF9
\$FB70: 69 08	ADC # \$08
\$FB72: 85 F9	STA aF9
\$FB74: A9 00	LDA # \$00
\$FB76: 65 FA	ADC aFA
\$FB78: 85 FA	STA aFA
\$FB7A: A0 00	LDY # \$00
\$FB7C: B1 F7	bFB7C LDA (pF7),Y
\$FB7E: 29 0F	AND # \$0F
\$FB80: AA	TAX
\$FB81: BD 39 3A	LDA f3A39,X
\$FB84: 91 F9	STA (pF9),Y
\$FB86: C8	INY
\$FB87: C0 08	CPY # \$08
\$FB89: D0 F1	BNE bFB7C
\$FB8B: 18	CLC
\$FB8C: A5 F9	LDA aF9
\$FB8E: 69 08	ADC # \$08

\$FB90: 85 F9        STA aF9  
\$FB92: A9 00        LDA #00  
\$FB94: 65 FA        ADC aFA  
\$FB96: 85 FA        STA aFA  
\$FB98: 4C 46 36     JMP j3646

\$FB9B: 60            RTS

\$FB9C: AD 70 38    bFB9C LDA a3870

\$FB9F: C9 8A        CMP #8A

\$FBA1: B0 40        BCS bFBE3

\$FBA3: C9 82        CMP #82

\$FBA5: 90 3C        BCC bFBE3

\$FBA7: AD 71 38     LDA a3871

fbBAB =\*+01

\$FBAA: C9 4D        CMP #4D

\$FBAC: B0 17        BCS bFBC5

\$FBAE: C9 34        CMP #34

\$FBB0: 90 13        BCC bFBC5

\$FBB2: A5 FD        LDA aFD

\$FBB4: C9 01        CMP #01

\$FBB6: D0 03        BNE bFBBB

\$FBB8: 4C 10 37     JMP j3710

\$FBBB: A9 01    bFBBB LDA #01

\$FBBD: 85 FD      STA aFD  
\$FBBF: 20 22 36      JSR s3622  
\$FBC2: 4C 10 37      JMP j3710  
  
\$FBC5: AD 71 38    bFBC5 LDA a3871  
\$FBC8: C9 85      CMP #85  
\$FBCA: B0 17      BCS bFBE3  
\$FBCC: C9 6C      CMP #6C  
\$FBCE: 90 13      BCC bFBE3  
\$FBD0: A5 FD      LDA aFD  
\$FBD2: C9 02      CMP #02  
\$FBD4: D0 03      BNE bFBD9  
\$FBD6: 4C 10 37      JMP j3710  
  
\$FBD9: A9 02    bFBD9 LDA #02  
\$FBDB: 85 FD      STA aFD  
\$FBDD: 20 2D 36      JSR s362D  
\$FBEO: 4C 10 37      JMP j3710  
  
\$FBE3: A5 FD    bFBE3 LDA aFD  
\$FBE5: C9 FF    fFBE5 CMP #FF  
\$FBE7: F0 14      BEQ bFBFD  
\$FBE9: 48      PHA  
\$FBEA: C9 01      CMP #01

fFBED =\*+\$01

```

$FBEC: D0 03      BNE bFBF1
                fBFEF =*+$01
$FBEE: 20 22 36      JSR s3622
$FBF1: 68      bFBF1 PLA
$FBF2: C9 02      CMP #$02
$FBF4: D0 03      BNE fFBF9
                aFBF7 =*+$01
$FBF6: 20 2D 36      JSR s362D
                fBFBA =*+$01
$FBF9: A9 FF      fFBF9 LDA #$FF
                fBFBC =*+$01
$FBFB: 85 FD      fFBFB STA aFD
$FBFD: 60      bFBFD RTS

                aFC00 =*+$02
$FBFE: AD 11 D0      LDA $D011 ;VIC Control Register 1
$FC01: 29 EF      AND #$EF
$FC03: 8D 11 D0      STA $D011 ;VIC Control Register 1
$FC06: 60      RTS

$FC07: AD 11 D0      LDA $D011 ;VIC Control Register 1
$FC0A: 09 10      ORA #$10
$FC0C: 8D 11 D0      STA $D011 ;VIC Control Register 1
$FC0F: 60      RTS

```

\$FC10: A9 00 LDA #\$00

\$FC12: 8D 02 DC STA \$DC02 ;CIA1: Data Direction Register A

\$FC15: 8D 03 DC aFC15 STA \$DC03 ;CIA1: Data Direction Register B

\$FC18: B9 00 DC LDA \$DC00,Y ;CIA1: Data Port Register A

\$FC1B: 6A ROR

\$FC1C: B0 03 BCS bFC21

\$FC1E: 20 49 37 JSR s3749

\$FC21: 6A bFC21 ROR

\$FC22: B0 03 BCS bFC27

\$FC24: 20 5C 37 JSR s375C

\$FC27: 6A bFC27 ROR

\$FC28: 48 PHA

\$FC29: B0 03 BCS bFC2E

\$FC2B: 20 9B 37 JSR s379B

\$FC2E: 68 bFC2E PLA

\$FC2F: 6A ROR

\$FC30: B0 03 BCS bFC35

\$FC32: 20 88 37 JSR s3788

\$FC35: 60 bFC35 RTS

  

\$FC36: 48 PHA

\$FC37: CE 70 38 DEC a3870

\$FC3A: AD 70 38 LDA a3870

\$FC3D: C9 32 CMP #\$32

\$FC3F: B0 03 BCS bFC44

\$FC41: EE 70 38      INC a3870  
\$FC44: 20 6F 37    bFC44 JSR s376F  
\$FC47: 68          PLA  
\$FC48: 60          RTS  
  
\$FC49: 48          PHA  
\$FC4A: EE 70 38      INC a3870  
\$FC4D: AD 70 38      LDA a3870  
\$FC50: C9 D5        CMP #\$D5  
\$FC52: 90 03        BCC fFC57  
\$FC54: CE 70 38      DEC a3870  
\$FC57: 20 6F 37    fFC57 JSR s376F  
\$FC5A: 68          PLA  
\$FC5B: 60          RTS  
  
\$FC5C: AD 70 38      LDA a3870  
\$FC5F: 8D 01 D0      STA \$D001 ;Sprite 0 Y Pos  
\$FC62: 18          CLC  
\$FC63: 69 05        ADC #\$05  
\$FC65: 8D 03 D0      STA \$D003 ;Sprite 1 Y Pos  
\$FC68: 18          CLC  
\$FC69: 69 10        ADC #\$10  
\$FC6B: 8D 05 D0      STA \$D005 ;Sprite 2 Y Pos  
\$FC6E: 18          CLC  
\$FC6F: 69 05        ADC #\$05

\$FC71: 8D 07 D0 STA \$D007 ;Sprite 3 Y Pos

\$FC74: 60 fFC74 RTS

\$FC75: 48 PHA

\$FC76: EE 71 38 INC a3871

\$FC79: AD 71 38 LDA a3871

\$FC7C: C9 96 CMP #\$96

\$FC7E: D0 03 BNE bFC83

\$FC80: CE 71 38 DEC a3871

\$FC83: 20 AE 37 bFC83 JSR s37AE

\$FC86: 68 PLA

\$FC87: 60 RTS

\$FC88: 48 PHA

\$FC89: CE 71 38 DEC a3871

\$FC8C: AD 71 38 LDA a3871

\$FC8F: C9 0B CMP #\$0B

\$FC91: D0 03 BNE bFC96

\$FC93: EE 71 38 INC a3871

\$FC96: 20 AE 37 bFC96 JSR s37AE

\$FC99: 68 PLA

\$FC9A: 60 RTS

\$FC9B: A9 00 LDA #\$00

\$FC9D: 8D 72 38 STA a3872



```

$FCA0: AD 71 38    LDA a3871
$FCA3: 0A         ASL
$FCA4: 8D 00 D0    STA $D000 ;Sprite 0 X Pos
$FCA7: 6E 72 38    ROR a3872
$FCAA: AD 71 38    LDA a3871
$FCAD: 69 0C      ADC #$0C
$FCAF: 0A         ASL
$FCB0: 6E 72 38    ROR a3872
$FCB3: 8D 02 D0    STA $D002 ;Sprite 1 X Pos
$FCB6: AD 71 38    LDA a3871
                aFCBA =*+$01
$FCB9: 69 04      ADC #$04
$FCBB: 0A         fFCBB ASL
$FCBC: 8D 04 D0    aFCBC STA $D004 ;Sprite 2 X Pos
$FCBF: 6E 72 38    ROR a3872
$FCC2: AD 71 38    LDA a3871
$FCC5: 69 0E      ADC #$0E
$FCC7: 0A         ASL
$FCC8: 8D 06 D0    STA $D006 ;Sprite 3 X Pos
                aFCCC =*+$01
$FCCB: 6E 72 38    ROR a3872
                fFCCF =*+$01
$FCCE: 6E 72 38    ROR a3872
$FCD1: 6E 72 38    ROR a3872
$FCD4: 6E 72 38    ROR a3872

```

```
$FCD7: 6E 72 38    ROR a3872
$FCDA: AD 72 38    LDA a3872
$FCDD: 8D 10 D0    STA $D010 ;Sprites 0-7 MSB of X coordinate
$FCE0: 60          RTS
```

```
RESET_VECTOR =*+$01
```

```
$FCE1: AD 11 D0    bFCE1 LDA $D011 ;VIC Control Register 1
```

```
$FCE4: 10 FB      BPL bFCE1
```

```
$FCE6: AD 11 D0    bFCE6 LDA $D011 ;VIC Control Register 1
```

```
$FCE9: 30 FB      BMI bFCE6
```

```
fFCEC =*+$01
```

```
$FCEB: A9 F0      LDA #$F0
```

```
$FCED: CD 12 D0    bFCED CMP $D012 ;Raster Position
```

```
$FCF0: B0 FB      BCS bFCED
```

```
$FCF2: 60          RTS
```

```
$FCF3: A0 00      fFCF3 LDY #$00
```

```
$FCF5: B1 F7      bFCF5 LDA (pF7),Y
```

```
$FCF7: 91 F9      STA (pF9),Y
```

```
$FCF9: C8          INY
```

```
$FCFA: D0 04      BNE bFD00
```

```
$FCFC: E6 F8      fFCFC INC aF8
```

```
fFCFF =*+$01
```

```
$FCFE: E6 FA      fFCFE INC aFA
```

```
$FD00: AD 75 38    bFD00 LDA a3875
```

```
$FD03: D0 03      BNE bFD08
$FD05: CE 76 38   DEC a3876
$FD08: CE 75 38  bFD08  DEC a3875
$FD0B: AD 75 38   LDA a3875
          bFD0F  =*+$01
$FD0E: 0D 76 38   ORA a3876
$FD11: D0 E2      BNE bFCF5
$FD13: 60         RTS
```

```
          ROM_RESTORj  =*+$01
```

```
$FD14: A0 00      LDY #$00
$FD16: B1 F7     bFD16  LDA (pF7),Y
$FD18: 91 F9      STA (pF9),Y
```

```
          ; $FD1A (jmp) - read/set I/O vectors
```

```
$FD1A: 88        ROM_VECTORj DEY
$FD1B: C0 FF      CPY #$FF
$FD1D: D0 04      BNE bFD23
$FD1F: C6 F8      DEC aF8
          aFD22  =*+$01
$FD21: C6 FA      DEC aFA
$FD23: AD 75 38  bFD23  LDA a3875
$FD26: D0 03      BNE bFD2B
$FD28: CE 76 38   DEC a3876
$FD2B: CE 75 38  bFD2B  DEC a3875
```

\$FD2E: AD 75 38 aFD2E LDA a3875

\$FD31: 0D 76 38 ORA a3876

\$FD34: D0 E0 BNE bFD16

\$FD36: 60 RTS

\$FD37: 00 00 BRK #\$00

\$FD39: 06 04 ASL a04

\$FD3B: 0E 03 0D ASL a0D03

\$FD3E: 01 0D ORA (p0D,X)

\$FD40: 03 0E SLO (p0E,X)

\$FD42: 04 06 NOP a06

\$FD44: 04 0E NOP a0E

\$FD46: 03 0D SLO (p0D,X)

\$FD48: 01 0D ORA (p0D,X)

\$FD4A: 03 0E SLO (p0E,X)

\$FD4C: 04 00 NOP a00

\$FD4E: 0B 0C ANC #\$0C

; \$FD50 (jmp) - RAM test & search RAM end

\$FD50: 0F 01 0F ROM\_RAMTASj SLO a0F01

\$FD53: 0C 0B 00 NOP a000B

\$FD56: 0B 0C ANC #\$0C

\$FD58: 0F 01 0F SLO a0F01

\$FD5B: 0C 0B C1 NOP aC10B

\$FD5E: 14 00 NOP f00,X

\$FD60: C1 C1	CMP (pC1,X)
\$FD62: 00 00	BRK #00
\$FD64: 28	PLP
\$FD65: C1 58	CMP (p58,X)
\$FD67: C1 88	CMP (p88,X)
\$FD69: C1 B8	CMP (pB8,X)
\$FD6B: C1 E8	CMP (pE8,X)
\$FD6D: C1 18	CMP (p18,X)
\$FD6F: C1 A8	CMP (pA8,X)
\$FD71: 88	DEY
\$FD72: C0 8D	CPY #8D
\$FD74: B0 99	BCS bFD0F
\$FD76: C4 9E	CPY a9E
\$FD78: 47 38	SRE a38
\$FD7A: 2A	ROL
\$FD7B: 43 20	SRE (p20,X)
\$FD7D: 46 20	LSR a20
\$FD7F: 47 41	fFD7F SRE a41
\$FD81: 55 4E	EOR f4E,X
\$FD83: 54 4C	NOP f4C,X
\$FD85: 45 54	EOR a54
\$FD87: 47 39	SRE a39
\$FD89: 2A	ROL
\$FD8A: 4E 54 2E	LSR a2E54
\$FD8D: 53 50	SRE (p50),Y

\$FD8F: 52 JAM  
\$FD90: 47 31 SRE a31  
\$FD92: 30 2A BMI bFDBE  
\$FD94: 44 20 NOP a20  
\$FD96: 4F 50 54 SRE j5450  
\$FD99: 49 4F EOR #\$4F  
\$FD9B: 4E 47 31 LSR a3147  
\$FD9E: 31 2A AND (p2A),Y  
\$FDA0: 45 2E EOR a2E  
\$FDA2: 42 JAM

; \$FDA3 (jmp) - initialize CIA & IRQ

\$FDA3: 49 4E ROM\_IOINITj EOR #\$4E  
\$FDA5: 47 31 SRE a31  
\$FDA7: 32 JAM  
\$FDA8: 2A ROL  
\$FDA9: 54 49 fFDA9 NOP f49,X  
aFDAC =\*+\$01  
\$FDAB: 54 4C NOP f4C,X  
\$FDAD: 45 20 EOR a20  
\$FDAF: 32 JAM  
\$FDB0: 34 34 NOP f34,X  
\$FDB2: 50 4C BVC ROM\_SETLFSj  
\$FDB4: 41 59 EOR (p59,X)  
\$FDB6: 45 52 EOR a52

\$FDB8: 32 JAM  
\$FDB9: 47 31 SRE a31  
\$FDBB: 33 2A RLA (p2A),Y  
bFDBE =\*+\$01  
\$FDBD: 54 50 aFDBD NOP f50,X  
\$FDBF: 52 fFDBF JAM  
\$FDC0: 4F 47 20 SRE a2047  
\$FDC3: 24 38 BIT a38  
\$FDC5: 30 30 BMI fFDF7  
\$FDC7: 30 47 BMI bFE10  
\$FDC9: 31 34 AND (p34),Y  
\$FDCB: 2A ROL  
\$FDCC: 54 46 NOP f46,X  
\$FDCE: 4F 4E 54 SRE a544E  
\$FDD1: 20 24 37 JSR s3724  
\$FDD4: 30 30 BMI bFE06  
\$FDD6: 30 0F BMI bFDE7  
\$FDD8: 09 0C ORA # \$0C  
\$FDDA: 09 0D ORA # \$0D  
\$FDDC: 07 0F SLO a0F  
\$FDDE: 0F 07 8B SLO a8B07  
\$FDE1: 38 SEC  
\$FDE2: 9A TXS  
\$FDE3: 38 SEC  
\$FDE4: A3 38 LAX (p38,X)

```

        bFDE7 =*+$01
$FDE6: AF 38 B8      LAX aB838
$FDE9: 38           SEC
$FDEA: C5 38       CMP a38
$FDEC: CC 38 DB    CPY aDB38
$FDEF: 38         SEC
$FDF0: EA         NOP
$FDF1: 38         SEC
$FDF2: 00 40      BRK # $40
$FDF4: 40         RTI

$FDF5: 67 00      RRA a00
$FDF7: 40        fFDF7 RTI

$FDF8: 40         RTI

                ; $FDF9 (jmp) - set file name
$FDF9: 67 00      ROM_SETNAMj RRA a00
        fDFC =*+$01
$FDFB: 10 01      BPL fDFE
        fDFE =*+$01
        fDFFF =*+$02
$FDFD: 20 00 80  aDFDf JSR f8000

                ; $FE00 (jmp) - set file parameters

```



```
$FE00: 00 70    ROM_SETLFSj BRK #$70
$FE02: 8A     fFE02 TXA
$FE03: 48     aFE03 PHA
$FE04: A9 14      LDA #$14
           ROM_READSTj  =*+$01
$FE06: A2 08     bFE06 LDX #$08
$FE08: A0 00      LDY #$00
$FE0A: 20 BA FF    JSR ROM_SETLFS ;$FFBA - set file parameters
$FE0D: 68         PLA
$FE0E: 48         PHA
$FE0F: AA         TAX
$FE10: 0A     bFE10 ASL
$FE11: A8         TAY
$FE12: B9 05 39    LDA f3905,Y
$FE15: 48         PHA
           ROM_SETMSGj  =*+$02
$FE16: B9 06 39    LDA f3906,Y
$FE19: 48         PHA
$FE1A: BD EA 38    LDA f38EA,X
$FE1D: 48         PHA
$FE1E: B9 F3 38    LDA f38F3,Y
           ; $FE21 (jmp) - set IEEE timeout
$FE21: AA     ROM_SETTMOj TAX
$FE22: B9 F4 38    LDA f38F4,Y
```

; \$FE25 (jmp) - read/set top of memory

\$FE25: A8 ROM\_MEMTOPj TAY  
\$FE26: 68 PLA  
\$FE27: 20 BD FF JSR ROM\_SETNAM ;\$FFBD - set file name  
\$FE2A: 68 PLA  
\$FE2B: A8 TAY  
\$FE2C: 68 PLA  
\$FE2D: AA TAX  
\$FE2E: A9 00 LDA #\$00  
\$FE30: 20 D5 FF JSR ROM\_LOAD ;\$FFD5 - load after call SETLFS,SETNAM  
\$FE33: 68 PLA

; \$FE34 (jmp) - read/set bottom of memory

\$FE34: 60 ROM\_MEMBOTj RTS  
  
\$FE35: 00 03 BRK #\$03  
\$FE37: 4E 04 4E LSR a4E04  
\$FE3A: 02 JAM  
\$FE3B: 4E 05 4E LSR a4E05  
\$FE3E: 01 4E ORA (p4E,X)  
\$FE40: 06 4E ASL a4E  
  
NMI\_VECTOR =\*+\$01  
\$FE42: 00 4E BRK #\$4E  
\$FE44: 07 4E SLO a4E

fFE47 =\*+\$01

\$FE46: C7 4C      DCP a4C

\$FE48: 40          RTI

\$FE49: 4F C6 4C      SRE a4CC6

\$FE4C: 41 4F          EOR (p4F,X)

\$FE4E: C5 4C          CMP a4C

\$FE50: 42          JAM

\$FE51: 4F C4 4C      SRE a4CC4

\$FE54: 43 4F          SRE (p4F,X)

\$FE56: C3 4C          DCP (p4C,X)

\$FE58: 44 4F          NOP a4F

\$FE5A: C2 4C          NOP #4C

\$FE5C: 45 4F          EOR a4F

\$FE5E: C1 4C          CMP (p4C,X)

\$FE60: 46 4F          LSR a4F

\$FE62: C0 4C          CPY #4C

\$FE64: 47 4F          SRE a4F

\$FE66: 87 4B          SAX a4B

\$FE68: 80 50          NOP #50

\$FE6A: 86 4B          STX a4B

\$FE6C: 81 50          STA (p50,X)

\$FE6E: 85 4B          STA a4B

\$FE70: 82 50          NOP #50

\$FE72: 84 4B          STY a4B

\$FE74: 83 50	SAX (p50,X)
\$FE76: 83 4B	SAX (p4B,X)
\$FE78: 84 50	STY a50
\$FE7A: 82 4B	NOP #4B
\$FE7C: 85 50	STA a50
\$FE7E: 81 4B	STA (p4B,X)
\$FE80: 86 50	STX a50
\$FE82: 80 4B	NOP #4B
\$FE84: 87 50	SAX a50
\$FE86: 83 81	SAX (p81,X)
\$FE88: 84 81	STY a81
\$FE8A: 82 81	NOP #81
\$FE8C: 85 81	STA a81
\$FE8E: 81 81	STA (p81,X)
\$FE90: 86 81	STX a81
\$FE92: 80 81	NOP #81
\$FE94: 87 81	SAX a81
\$FE96: C7 80	DCP a80
\$FE98: 40	RTI
\$FE99: 82 C6	NOP #C6
\$FE9B: 80 41	NOP #41
\$FE9D: 82 C5	NOP #C5
\$FE9F: 80 42	NOP #42
\$FEA1: 82 C4	NOP #C4

\$FEA3: 80 43	NOP # \$43
\$FEA5: 82 C3	NOP # \$C3
\$FEA7: 80 44	NOP # \$44
\$FEA9: 82 C2	NOP # \$C2
\$FEAB: 80 45	aFEAB NOP # \$45
\$FEAD: 82 C1	NOP # \$C1
\$FEAF: 80 46	NOP # \$46
\$FEB1: 82 C0	NOP # \$C0
\$FEB3: 80 47	NOP # \$47
\$FEB5: 82 07	NOP # \$07
fFEB8	=*+\$01
\$FEB7: 80 00	NOP # \$00
\$FEB9: 83 06	SAX (p06,X)
\$FEBB: 80 01	NOP # \$01
\$FEBD: 83 05	SAX (p05,X)
\$FEBF: 80 02	NOP # \$02
\$FEC1: 83 04	SAX (p04,X)
\$FEC3: 80 03	NOP # \$03
\$FEC5: 83 03	SAX (p03,X)
\$FEC7: 80 04	NOP # \$04
\$FEC9: 83 02	SAX (p02,X)
\$FECB: 80 05	NOP # \$05
\$FECD: 83 01	SAX (p01,X)
\$FECE: 80 06	NOP # \$06
\$FED1: 83 00	SAX (p00,X)

\$FED3: 80 07      NOP #\$07  
\$FED5: 83 83      SAX (p83,X)  
\$FED7: 85 84      STA a84  
\$FED9: 85 82      STA a82  
\$FEDB: 85 85      STA a85  
\$FEDD: 85 81      STA a81  
\$FEDF: 85 86      STA a86  
\$FEE1: 85 80      STA a80  
\$FEE3: 85 87      STA a87  
\$FEE5: 85 C7      STA aC7  
\$FEE7: 84 40      STY a40

    aFEEA =\*+\$01

\$FEE9: 86 C6      STX aC6  
\$FEEB: 84 41      STY a41

    aFEEE =\*+\$01

\$FEED: 86 C5      STX aC5  
\$FEEF: 84 42      STY a42  
\$FEF1: 86 C4      STX aC4  
\$FEF3: 84 43      STY a43  
\$FEF5: 86 C3      STX aC3  
\$FEF7: 84 44      STY a44

    fFEFA =\*+\$01

\$FEF9: 86 C2      STX aC2  
\$FEFB: 84 45      fFEFB STY a45

    fFEFE =\*+\$01

\$FEFD: 86 C1 fFEFD STX aC1

fff00 =\*+\$01

\$FEFF: 84 46 fFEFF STY a46

\$FF01: 86 C0 STX aC0

\$FF03: 84 47 STY a47

\$FF05: 86 07 STX a07

\$FF07: 84 00 STY a00

\$FF09: 87 06 SAX a06

\$FF0B: 84 01 STY a01

\$FF0D: 87 05 SAX a05

fff10 =\*+\$01

\$FF0F: 84 02 STY a02

\$FF11: 87 04 SAX a04

\$FF13: 84 03 STY a03

\$FF15: 87 03 SAX a03

\$FF17: 84 04 STY a04

\$FF19: 87 02 SAX a02

\$FF1B: 84 05 STY a05

\$FF1D: 87 01 SAX a01

\$FF1F: 84 06 aFF1F STY a06

\$FF21: 87 00 SAX a00

\$FF23: 84 07 STY a07

\$FF25: 87 00 SAX a00

\$FF27: 03 0C SLO (p0C,X)

\$FF29: 0F 30 33 SLO a3330

fff2E =\*+\$02

\$FF2C: 3C 3F C0 NOP fc03F,X

\$FF2F: C3 CC DCP (pCC,X)

\$FF31: CF F0 F3 DCP aF3F0

\$FF34: FC FF 54 NOP f54FF,X

\$FF37: 48 PHA

\$FF38: 45 20 EOR a20

bff3B =\*+\$01

\$FF3A: 45 4E EOR a4E

\$FF3C: 44 20 NOP a20

\$FF3E: 49 53 EOR #\$53

\$FF40: 20 4E 49 JSR s494E

\$FF43: 47 48 SRE a48

\$FF45: 48 PHA

\$FF46: 84 05 STY a05

\$FF48: 87 01 IRQ\_BRK\_VECTOR SAX a01

\$FF4A: 84 06 STY a06

\$FF4C: 87 00 SAX a00

\$FF4E: 84 07 STY a07

\$FF50: 87 00 SAX a00

\$FF52: 03 0C SLO (p0C,X)

\$FF54: 0F 30 33 SLO a3330

\$FF57: 3C 3F C0 NOP fc03F,X

ROM\_CINTj =\*+\$01

\$FF5A: C3 CC DCP (pCC,X)



\$FF5C: CF F0 F3      DCP aF3F0  
\$FF5F: FC FF 54      NOP f54FF,X  
\$FF62: 48            PHA  
\$FF63: 45 20        EOR a20  
\$FF65: 45 4E        EOR a4E  
\$FF67: 44 20        NOP a20  
\$FF69: 49 53        EOR #\$53  
\$FF6B: 20 4E 49     JSR s494E  
\$FF6E: 47 48        SRE a48  
\$FF70: 0A           ASL  
\$FF71: 80 00        NOP #\$00  
\$FF73: 0A           ASL  
\$FF74: 8C 00 0A     STY a0A00  
\$FF77: 43 00    fff77 SRE (p00,X)  
\$FF79: 0A           ASL  
\$FF7A: 43 00        SRE (p00,X)  
\$FF7C: 0A           ASL  
\$FF7D: 83 00        SAX (p00,X)  
\$FF7F: 09 95    fff7F ORA #\$95

                  ; \$FF81 - init VIC & screen editor

\$FF81: 00 05      ROM\_CINT BRK #\$05

                  ROM\_IOINIT =\*+\$01

\$FF83: 95 00        STA f00,X

\$FF85: 06 C3        ASL aC3

; \$FF87 - RAM test & search RAM end

\$FF87: 00 07 ROM\_RAMTAS BRK #07

ROM\_RESTOR =\*+\$01

\$FF89: 83 00 SAX (p00,X)

\$FF8B: 0A ASL

ROM\_VECTOR =\*+\$01

\$FF8C: 8C 00 2A STY a2A00

ROM\_SETMSG =\*+\$01

\$FF8F: 80 00 NOP #00

ROM\_SECOND =\*+\$02

\$FF91: 3C A0 00 NOP f00A0,X

\$FF94: 00 A0 BRK #A0

; \$FF96 - send secondary addr after talk

\$FF96: 00 00 ROM\_TKSA BRK #00

ROM\_MEMTOP =\*+\$01

\$FF98: F0 A1 BEQ bFF3B

\$FF9A: 14 0A NOP f0A,X

; \$FF9C - read/set bottom of memory

\$FF9C: 00 00 ROM\_MEMBOT BRK #00

\$FF9E: 0A ASL

; \$FF9F - scan keyboard

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$FF9F: 80 00    ROM_SCNKEY NOP #$00

$FFA1: 0A      ASL

                                ; $FFA2 - set IEEE timeout

$FFA2: B0 00    ROM_SETTMO BCS $FFA4

                                ROM_ACPTR  =*+ $01

$FFA4: 09 4C      ORA #$4C

$FFA6: 00 09      BRK #$09

                                ; $FFA8 - output byte to SERIAL

$FFA8: 4C 00 06  ROM_CIOUT JMP j0600

                                ; $FFAB - untalk all SERIAL devices

$FFAB: 4C 00 16  ROM_UNTLK JMP a1600

                                ; $FFAE - unlisten all SERIAL devices

$FFAE: 8C 00 1A  ROM_UNLSN STY a1A00

                                ; $FFB1 - make SERIAL device listen

$FFB1: 94 00    ROM_LISTEN STY f00,X

$FFB3: 1A      NOP

                                ; $FFB4 - make SERIAL device talk

$FFB4: 94 00    ROM_TALK STY f00,X

                                ROM_READST  =*+ $01

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\$FFB6: 1F CC 00 SLO f00CC,X

\$FFB9: 0A ASL

; \$FFBA - set file parameters

\$FFBA: 8C 00 0A ROM\_SETLFS STY a0A00

; \$FFBD - set file name

\$FFBD: 8C 00 02 ROM\_SETNAM STY p0200

; \$FFC0 - open log.file after SETLFS,SETNAM

\$FFC0: B0 00 ROM\_OPEN BCS \$FFC2

\$FFC2: 02 JAM

; \$FFC3 - close a logical file

\$FFC3: 80 00 ROM\_CLOSE NOP # \$00

ROM\_CHKIN =\*+\$01

\$FFC5: 03 A9 SLO (pA9,X)

ROM\_CHKOUT =\*+\$02

\$FFC7: 0C 8D 87 NOP a878D

ROM\_CLRCHN =\*+\$02

\$FFCA: 8F 8D 4E SAX a4E8D

ROM\_CHRIN =\*+\$02

\$FFCD: AD 8D 24 LDA a248D

\$FFD0: BA TSX

ROM\_CHROUT =\*+\$01

\$FFD1: 8D 2C BB      STA aBB2C  
         ROM\_LOAD =\*+\$01

\$FFD4: 8D 3A BB      STA aBB3A  
         ROM\_SAVE =\*+\$01

\$FFD7: 8D 7D BD      STA aBD7D  
         ROM\_SETTIM =\*+\$01

\$FFDA: 8D AE C4      STA aC4AE  
         ROM\_RDTIM =\*+\$01

\$FFDD: 8D 77 C6      STA aC677  
         ROM\_STOP =\*+\$01

\$FFE0: 8D 37 A0      STA sA037  
         ROM\_GETIN =\*+\$01

\$FFE3: 8D 58 AD      STA aAD58  
         ROM\_CLALL =\*+\$01

\$FFE6: 8D 88 B9      STA aB988  
         ROM\_UDTIM =\*+\$01

\$FFE9: 8D 2D BA      STA aBA2D  
         ROM\_SCREEN =\*+\$01

\$FFEC: 8D 14 BB      STA aBB14  
         ROM\_PLOT =\*+\$01

\$FFEF: 8D 22 BB      STA aBB22  
         ROM\_IOBASE =\*+\$01

\$FFF2: 8D 87 BD      STA aBD87  
         fFFF7 =\*+\$02

\$FFF5: 8D BA C4      STA aC4BA

aFFFA =\*+\$02

\$FFF8: 8D 83 88 STA a8883

\$FFFB: 82 13 fFFFB NOP #13

\$FFFD: 08 PHP

fFFFF =\*+\$01

\$FFFE: 71 82 fFFFE ADC (p82),Y