

(Maxim Szenessy)

VS.(1)

kommentiert
Anfang
August
82

TO CONFIRM PRESS LF. TO CANCEL PRESS FF.

INTERFACE
PARALLEL

SERIAL COMMODORE

WOULD YOU LIKE TO STORE THESE PARAMETERS?
YES

CHANGES EXECUTED

ready.
READY.

```
c*  
C* pc irq bk ac xr yr sp nv#bdiac  
a005 4001 00 00 YR YR SB NV#BDIZE  
a005 EA31 07 8D FF 1C F9 *.*****
```

```
..0800 00 BRK  
..0801 00 BRK  
..0802 00 BRK  
..0803 C7 ??? } 1991  
..0804 07 ???  
..0805 9E ???  
..0806 34 ???  
..0807 38 SEC  
..0808 39 34 00 AND #0034, Y  
..080B 00 BRK  
..080C 00 BRK  
..080D 20 67 0F JSR #0F67  
..0810 A5 5A LDA #5A Fileadr.  
..0812 CD E9 2F CMP #2FE9 RAM-Start  
..0815 D0 0A BNE #0821 nein -> zurück  
..0817 A5 5B LDA #5B High-byte  
..0819 CD EA 2F CMP #2FEA ?  
..081E D0 03 BNE #0821 nein -> zurück  
..081E 4C 3B 0C JMP #0C3B Frage überspringen  
..0821 4C EA 0B JMP #0BEA normal weiter  
..0824 0A BRK  
..0825 A2 16 LDX #416  
..0827 40 0A JSR #E9FF Bildschirmzeile 22  
..082A 0A DEX bis 3 löschen  
..082B E0 0A CPX #402 = Textfenster  
..082D D0 03 BNE #0827 löschen  
..082F 40 0A LDX #404  
..0831 40 0A LDY #400  
..0833 4C 0A E5 JMP #E50C Cursor nach 0/4  
..0836 40 0A LDA #401  
..0838 40 2F LDY #42F "TASTE!"  
..083A 20 0A AB JSR #AB1E  
..083D 30 0A FF JSR #FFE4 Taste holen  
..0840 D0 0A BNE #0849 ja? -> l.  
..0842 AD 00 0A LDA #DD00 Feuer?  
..0845 C9 0A CMP #46F
```

```
..0847 D0 0A BNE #083D nein?  
..0848 AD 0A PRESS LDA #400  
..084B 05 0A STA #C6 Tastaturpuffer löschen  
..084D 4C 2F 0A JMP #0825 und von vorne  
..0850 4B PHA  
..0851 A9 64 LDA #464  
..0853 8D 52 04 STA #0452 } - "  
..0856 AD DC 2F LDA #2FDC }  
..0859 49 01 EOR #401 }  
..085B 8D DC 2F STA #2FDC }  
..085E F0 05 BEQ #0865  
..0860 A9 A2 LDA #4A2 } " 33"  
..0862 8D 52 04 STA #0452 }  
..0865 6B PLA  
..0866 60 RTS  
..0867 AD 10 D0 LDA #D010 holt Hausspalte  
..086A 6A ROR nach rechts  
..086B AD 00 D0 LDA #D000 Pfeil X  
..086E 6A ROR Carry? 24 rechts  
..086F 4A LSR  
..0870 4A LSR  
..0871 E9 02 SBC #402 minus 2 (16)  
..0873 60 RTS  
..0874 20 4B 0A JSR #0A4B  
..0877 AE E9 2F LDX #2FE9  
..087A AC EA 2F LDY #2FEA  
..087D EB INX  
..087E D0 01 BNE #0881  
..0880 CB INY  
..0881 8E 8C 0B STX #088C  
..0884 8C 8D 0B STY #088D  
..0887 A0 00 LDY #400  
..0889 A2 01 LDX #401  
..088B AD FF FF LDA #FFFF  
..088E F0 12 BEQ #08A2  
..0890 1B CLC  
..0891 6D 8C 0B ADC #088C  
..0894 8D 8C 0B STA #088C  
..0897 90 03 BCC #089C  
..0899 EE 8D 0B INC #088D  
..089C EB INX  
..089D D0 EC BNE #08BB  
..089F CB INY  
..08A0 D0 E9 BNE #08BB  
..08A2 8E D5 2F STX #2FD5  
..08A5 8C D6 2F STY #2FD6  
..08A8 4C 4E 0A JMP #0A4E  
..08AB 40 4B 0A JSR #0A4B an RAM  
..08AE 40 2F LDX #2FD2 Speicher  
..08B1 AD D7 2F LDA #2FD7  
..08B4 8E 2B STA #2B  
..08B6 AD D8 2F LDA #2FD8 umspeichern  
..08B9 85 29 STA #29  
..08BB A0 01 LDY #401  
..08BD 40 0A CPX #401 berechnen  
..08BF F0 0E BEQ #08CF  
..08C1 B1 2B LDA (#2B), Y  
..08C3 1B CLC  
..08C4 65 2B ADC #2B  
..08C6 85 2B STA #2B  
..08CB 90 02 BCC #08CC
```

VIS A 83

08CA E6 29	INC #29	0942 85 FD	STA #FD
08CC CA	DEX	0944 90 02	BCC #0948
08CD D0 EE	BNE #08ED	0946 E6 FC	INC #FC
08CF 4C 4E 0A	JMP #0A4E	0948 4C 89 09	JMP #0989
08D2 38	SEC	094B A0 01	LDY #01
08D3 AD D3 2F	LDA #2FD3	094D C9 48	CMP #48
08D6 E9 01	SBC #01	094F 10 03	BPL #0954
08D8 8D D3 2F	STA #2FD3	0951 A0 0B	LDY #0B
08DB B0 03	BCS #08E0	0953 88	DEY
08DD CE D4 2F	DEC #2FD4	0954 18	CLC
08E0 60	RTS	0955 85 5C	STA #5C
08E1 EE D3 2F	INC #2FD3	0957 65 5C	ADC #5C
08E4 D0 03	BNE #08E9	0959 65 5C	ADC #5C
08E6 EE D4 2F	INC #2FD4	095B AA	TAX
08E8 60	RTS	095C A9 03	LDA #03
08EA 88	DEY	095E 85 02	STA #02
08EB D0 FD	BNE #08EA	0960 BD 62 32	LDA #3262,X
08ED CA	DEX	0963 91 FD	STA (\$FD),Y
08EE D0 FA	BNE #08EA	0965 C8	INY
08F0 60	RTS	0966 EB	INX
08F1 21 48 0A	JSR #0A48	0967 C6 02	DEC #02
08F4 AD D7 2F	LDA #2FD7	0969 D0 E5	BNE #0960
08F7 85 22	STA #22	096B A9 20	LDA #20
08F9 AD D8 2F	LDA #2FDB	096D 91 FD	STA (\$FD),Y
08FC 85 23	STA #23	096F A6 25	LDX #25
08FE A9 14	LDA #14	0971 C8	INY
0900 85 24	STA #24	0972 B4 26	STY #26
0902 A9 78	LDA #78	0974 A0 03	LDY #03
0904 A0 04	LDY #04	0976 B4 27	STY #27
0906 85 FD	STA #FD	0978 A4 27	LDY #27
0908 B4 FE	STY #FE	097A B1 22	LDA (\$22),Y
090A A9 20	LDA #20	097C A4 26	LDY #26
090C A0 27	LDY #27	097E 91 FD	STA (\$FD),Y
090E 91 FD	STA (\$FD),Y	0980 E6 26	INC #26
0910 88	DEY	0982 E6 27	INC #27
0911 10 FB	BPL #090E	0984 CA	DEX
0913 A0 01	LDY #01	0985 E0 03	CPX #03
0915 B1 22	LDA (\$22),Y	0987 D0 EF	BNE #0978
0917 D0 03	BNE #091C	0989 18	CLC
0919 4C 9F 09	JMP #099F	098A A5 25	LDA #25
091C 85 25	STA #25	098C 65 22	ADC #22
091E C8	INY	098E B5 22	STA #22
091F B1 22	LDA (\$22),Y	0990 90 02	BCC #0994
0921 C9 55	CMP #55	0992 E6 23	INC #23
0923 D0 26	BNE #094B	0994 20 AF 09	JSR #09AF
0925 C8	INY	0997 F0 03	BEQ #099C
0926 A6 25	LDX #25	0999 4C 0A 09	JMP #090A
0928 A5 FD	LDA #FD	099C 4C 4E 0A	JMP #0A4E
092A 38	SEC	099F A9 20	LDA #20
092B E9 03	SBC #03	09A1 A0 27	LDY #27
092D 85 FD	STA #FD	09A3 91 FD	STA (\$FD),Y
092F B0 02	BCS #0933	09A5 88	DEY
0931 C6 FC	DEC #FC	09A6 10 FB	BPL #09A3
0933 B1 22	LDA (\$22),Y	09AB 20 AF 09	JSR #09AF
0935 91 FD	STA (\$FD),Y	09AB D0 F2	BNE #099F
0937 C8	INY	09AD F0 EB	BEQ #099C
0938 CA	DEX	09AF A5 FD	LDA #FD
0939 E0 03	CPX #03	09B1 18	CLC
093B D0 F6	BNE #0933	09B2 69 28	ADC #28
093D A5 FD	LDA #FD	09B4 85 FD	STA #FD
093F 18	CLC	09B6 90 02	BCC #09BA
0940 69 03	ADC #03		

ROM+RTS

Warteschleife

unspeichern

Zeiger auf 0478

SPACE Zeile 3 löschen

von 0A77 18A3

von 13F2 0E2 1

09B9 E6 FE INC #FE
 09BA C6 24 DEC #24
 09BC 40 RTS
 von 0E59 09BD DE D2 2F LDX #2FD2
 09C0 A9 50 LDA #50
 09C2 A0 04 LDY #04
 09C4 18 CLC
 09C5 69 28 ADC #28
 09C7 90 02 BEC #09CB
 09C9 C8 INY
 09CA 18 CLC
 09CB CA DEX
 09CC D0 F7 BNE #09C5
 09CE 85 5E STA #5E
 09D0 84 5F STY #5F
 09D2 60 RTS
 09D3 20 74 08 JSR #0874
 09D4 A5 28 LDA #28
 09D8 85 5F STA #5F
 09DA A5 29 LDA #29
 09DC 85 60 STA #60
 09DE AD 8C 08 LDA #088C
 09E1 AE 8D 08 LDX #088D
 09E4 85 5A STA #5A
 09E6 86 5B STX #5B
 09E8 18 CLC
 09E9 4D 1D 32 ADC #321D
 09EC 85 5B STA #5B
 09EE 90 01 BEC #09F1
 09F0 E8 INX
 09F1 86 59 STX #59
 09F3 4C 10 20 JMP #2010
 09F6 20 74 08 JSR #0874
 09F9 AD 8C 08 LDA #088C
 09FC 85 5A STA #5A
 09FE AD 8D 08 LDA #088D
 0A01 85 5B STA #5B
 0A03 A5 28 LDA #28
 0A05 A6 29 LDX #29
 0A07 85 24 STA #24
 0A09 86 25 STX #25
 0A0B 18 CLC
 0A0C 6D 1E 32 ADC #321E
 0A0F 85 22 STA #22
 0A11 90 01 BEC #0A14
 0A13 EB INX
 0A14 86 23 STX #23
 0A16 4C DD 1F JMP #1FDD
 0A19 20 48 0A JSR #0A4B
 0A1C A0 00 LDY #00
 0A1E A5 FB LDA #FB
 0A20 38 SEC
 0A21 E9 01 SBC #01
 0A23 85 FB STA #FB
 0A25 B0 02 BCS #0A29
 0A27 C6 FC DEC #FC
 0A29 B1 FB LDA (#FB), Y
 0A2B C9 FF CMP #FF
 0A2D D0 EF BNE #0A1E
 0A2F C8 INY
 0A30 B1 FB LDA (#FB), Y

+828

0A32 4C 4E 0A JMP #0A4E
 0A35 20 48 0A JSR #0A4B
 0A38 A0 01 LDY #01
 0A3A B1 FB LDA (#FB), Y
 0A3C 18 CLC
 0A3D 65 FB ADC #FB
 0A3F 85 FB STA #FB
 0A41 90 02 BEC #0A45
 0A43 E6 FC INC #FC
 0A45 4E 4E 0A JMP #0A4E
 von 08AB, 0E5E 0A48 78 SEI
 0A49 A5 00 LDX #00
 0A4B 86 00 STX #01
 0A4D 40 RTS
 von 08CF, 0E63 0A4E A2 37 LDX #37
 0A50 86 01 STX #01
 0A52 58 CLI
 0A53 60 RTS
 von 1321 0A54 20 7A 0A JSR #0A7A
 0A57 A9 0F LDA #0F
 0A59 8D 1B D4 STA #D41B
 0A5C A9 19 LDA #19
 0A5E 8D 05 D4 STA #D405
 0A61 A9 05 LDA #05
 0A63 8D 04 D4 STA #D404
 0A66 A9 0D LDA #0D
 0A68 8D 01 D4 STA #D401
 0A6B A9 78 LDA #78
 0A6D 8D 00 D4 STA #D400
 0A70 A9 11 LDA #11
 0A72 8D 04 D4 STA #D404
 0A75 A2 50 LDX #50
 0A77 4C EA 08 JMP #08EA
 von 0A4C 0A78 A9 00 LDA #00
 0A7C A9 17 LDA #17
 0A7E 8D 00 D4 STA #D400, X
 0A81 CA DEX
 0A82 10 FA BPL #0A7E
 0A84 60 RTS
 0A85 A2 64 LDX #64
 0A87 A9 02 LDA #02
 0A89 8D 20 D0 STA #D020
 0A8C A9 00 LDA #00
 0A8E 8D 20 D0 STA #D020
 0A91 CA DEX
 0A92 D0 F7 BNE #0A87
 0A94 40 RTS
 von 1381 0A95 A2 4F LDX #4F
 0A97 BD 42 33 LDA #3362, X
 0A9A 9D 00 04 STA #0400, X
 0A9D CA DEX
 0A9E 10 F7 BPL #0A97
 0AA0 A2 27 LDX #27
 0AA2 A9 0C LDA #0C
 0AA4 7D 28 D8 STA #D828, X
 0AA7 CA DEX
 0AA8 10 F7 BPL #0AA4
 0AAA A2 27 LDX #27
 0AAC A9 64 LDA #64
 0AAE 9D 98 07 STA #0798, X
 0AB1 CA DEX

— auf RAM umschalten

— auf ROM

SID löschen
lautstärke 15

} Frequenz 2

Warteschleife + RTS
SID

löschen

RS aufbauen

RS-MASKE

Color-RAM

auf grau

— "Rahmen"

```

0AB2 10 FA BPL $0AAE
0AB4 A2 22 LDX #122
0AB6 BD 3F 32 LDA $323F,X
0AB9 9D C0 07 STA $07E0,X
0ABC CA DEX
0ABD 10 F7 BPL $0AB6
0ABF A9 64 LDA #164
0AC1 A2 27 LDX #127
0AC3 9D 50 04 STA $0450,X
0AC6 CA DEX
0AC7 10 FA BPL $0AC3
0AC9 60 RTS
0ACA A9 01 LDA #101
0ACC BD 15 D0 STA $D015
0ACF AD 10 D0 LDA $D010
0AD2 29 FD AND #1FD
0AD4 BD 10 D0 STA $D010
0AD7 A9 42 LDA #142
0AD9 AE D2 2F LDX $2FD2
0ADC 1B CLC
0ADD 69 08 ADC #108
0ADF CA DEX
0AE0 D0 FA BNE $0ADC
0AE2 BD 03 D0 STA $D003
0AE5 A9 10 LDA #110
0AE7 AE D1 2F LDX $2FD1
0AEA 1B CLC
0AEB 69 08 ADC #108
0AED 90 0A BCC $0AF9
0AEF 4B PHA
0AF0 AD 10 D0 LDA $D010
0AF3 09 02 ORA #102
0AF5 BD 10 D0 STA $D010
0AF8 6B PLA
0AF9 CA DEX
0AFA D0 EE BNE $0AEA
0AFC BD 02 D0 STA $D002
0AFF A9 03 LDA #103
0B01 BD 15 D0 STA $D015
0B04 60 RTS
0B05 A5 5E LDA #15E
0B07 B5 FE STA #1FE
0B09 A5 5D LDA #15D
0B0B B5 FD STA #1FD
0B0D A0 00 LDY #100
0B0F A9 70 LDA #170
0B11 91 5D STA ($5D),Y
0B13 C8 INY
0B14 A9 40 LDA #140
0B16 91 5D STA ($5D),Y
0B18 C8 INY
0B19 C4 25 CPY #125
0B1B D0 F9 BNE $0B16
0B1D A9 6E LDA #16E
0B1F 91 5D STA ($5D),Y
0B21 A6 26 LDX #126
0B23 1B CLC
0B24 A5 5D LDA #15D
0B26 69 28 ADC #128
0B28 B5 5D STA #15D
0B2A 90 03 BCC $0B2F

```

Rahmen

Rahmen

Aus!

```

0B2C E6 5E INC #15E
0B2E 1B CLC
0B2F A5 22 LDA #122
0B31 65 25 ADC #125
0B33 B5 22 STA #122
0B35 90 02 BCC $0B39
0B37 E6 23 INC #123
0B39 A9 5D LDA #15D
0B3B A0 00 LDY #100
0B3D 91 5D STA ($5D),Y
0B3F C8 INY
0B40 B1 22 LDA ($22),Y
0B42 C9 5F CMP #15F
0B44 10 04 BPL $0B4A
0B46 29 BF AND #1BF
0B48 10 02 BPL $0B4C
0B4A 29 7F AND #17F
0B4C 91 5D STA ($5D),Y
0B4E C8 INY
0B4F C4 25 CPY #125
0B51 D0 ED BNE $0B40
0B53 A9 5D LDA #15D
0B55 91 5D STA ($5D),Y
0B57 CA DEX
0B58 10 C9 BPL $0B23
0B5A A0 00 LDY #100
0B5C A9 6D LDA #16D
0B5E 91 5D STA ($5D),Y
0B60 A9 40 LDA #140
0B62 C8 INY
0B63 91 5D STA ($5D),Y
0B65 C8 INY
0B66 C4 25 CPY #125
0B68 D0 F9 BNE $0B63
0B6A A9 7D LDA #17D
0B6C 91 5D STA ($5D),Y
0B6E 60 RTS
0B6F 20 AB 08 JSR $0BAB
0B72 A9 04 LDA #104
0B74 BD 1D 32 STA $321D
0B77 20 D3 09 JSR $09D3
0B7A 20 48 0A JSR $0A48
0B7D A0 03 LDY #103
0B7F B9 E5 2F LDA $2FE5,Y
0B82 91 28 STA ($28),Y
0B84 B8 DEY
0B85 10 F8 BPL $0B7F
0B87 20 4E 0A JSR $0A4E
0B8A EE D5 2F INC $2FD5
0B8D D0 03 BNE $0B92
0B8F EE D6 2F INC $2FD6
0B92 20 F9 1E JSR $1EF9
0B95 4C 5B 18 JMP $1B5B
0B98 4C 03 0E JMP $0E03
0B9B 20 25 08 JSR $0B25
0B9E A2 06 LDX #106
0BA0 BD 2A 32 LDA $322A,X
0BA3 9D F0 04 STA $04F0,X
0BA6 CA DEX
0BA7 10 F7 BPL $0BA0
0BA9 A2 06 LDX #106

```

Fehler

"TASTE!"

LOADING!

Zähler

Erspung


```

,OBAD BD B8 2E LDA $2EB8,X Filennamen
,OBAB 29 BF AND #$BF
,OBBC 9D F8 04 STA $04F8,X auf BS
,OBBA CA DEX
,OBBA 10 F5 BPL $0BAB schreiben
,OBBA A9 00 LDA #$00
,OBBA B5 90 STA $90 ST löschen
,OBBA A9 12 LDA #$12 Länge=18
,OBBA A2 B8 LDX #$B8
,OBBA A0 2E LDY #$2E Position des Namens
,OBBC 20 BD FF JSR $FFBD FILNAM (FN, SRC, P, W)
,OBBC A9 02 LDA #$02 Kanalnummer
,OBBC A2 08 LDX #$08 Floppy
,OBBC A0 02 LDY #$02 Sekundäradresse
,OBBC 20 BA FF JSR $FFBA FILPAR
,OBBC 20 C0 FF JSR $FFC0 OPEN
,OBBC B0 C7 BCS $0B9B Fehler!
,OBBD A2 02 LDX #$02 Kanal
,OBBD 20 C6 FF JSR $FFC6 CHKIN auf Eingabe
,OBBD 20 CF FF JSR $FFCF BASIN Zeichen holen
,OBBD A2 90 LDX $90
,OBBD D0 BB BNE $0B9B Fehler!
,OBBD B5 5A STA $5A Adresse LOW
,OBBD 20 CF FF JSR $FFCF BASIN
,OBBD B5 5B STA $5B High
,OBBD 20 CC FF JSR $FFCC #10 zurücksetzen
,OBDE 4C 0D 0B JMP $0B0D Rücksack
,OBBA A9 0A LDA $0A
,OBBA A0 2F LDY #$2F Fileadr: SRC-RAM
,OBBA 20 10 AB JSR $AB1E ausgegeben
,OBBA A2 08 LDX #$08
,OBBA A0 02 LDY #$02 Cursor 8/14
,OBBA 20 0C E5 JSR $E50C
,OBBA A6 5A LDX $5A
,OBBA A5 5B LDA $5B Fileadr:
,OBBA 20 3E 11 JSR $113E ausgegeben
,OBBA A2 09 LDX #$09
,OBBA A0 0E LDY #$0E Cursor 9/14
,OBBA 20 0C E5 JSR $E50C
,OBBA AE E9 2F LDX $2FE9 SRC-RAM-Adresse
,OBBA AD EA 2F LDA $2FEA
,OBBA 20 3E 11 JSR $113E ausgegeben
,OBBA A5 CB LDA $CB
,OBBA C9 40 CMP #$40 Taste
,OBBA D0 09 BNE $0C1E keine?
,OBBA AD 00 DC LDA $DC00 doch
,OBBA C9 6F CMP #$6F Fire
,OBBA D0 F3 BNE $0C0F nein, weiter
,OBBA F0 1A BEQ $0C38 schon Fire
,OBBA C9 0C CMP #$0C zurück
,OBBA D0 16 BNE $0C38 nein ->
,OBBA A9 00 LDA #$00
,OBBA B5 E4 STA $C6
,OBBA 20 C0 FF JSR $FFC0 OPEN
,OBBA A9 02 LDA #$02
,OBBA 20 C3 FF JSR $FFC3 CLOSE
,OBBA A2 12 LDX #$12 Cursor 18/10
,OBBA A0 00 LDY #$00
,OBBA 20 0C E5 JSR $E50C
,OBBA 4C 36 1C JMP $1C36
,OBBA C9 15 CMP #$15

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```

,OC3A D0 0A BNE $0C46
,OC3C A5 5A LDA $5A
,OC3E A6 5B LDX $5B
,OC40 8D E9 2F STA $2FE9 SRC-RAM
,OC43 8E EA 2F STX $2FEA verschoben
,OC46 A2 02 LDX #$02
,OC48 20 C6 FF JSR $FFC6 CHKIN
,OC4B AD E9 2F LDA $2FE9 bei SRC-RAM
,OC4E AE EA 2F LDX $2FEA Pointer, überg.
,OC51 85 5A STA $5A
,OC53 86 5B STX $5B
,OC55 C0 0E DC DEC $DC0E Timer A stoppen?
,OC58 A0 00 LDY #$00
,OC5A 20 CF FF JSR $FFCF Zeichen holen
,OC5D A2 00 LDX #$00
,OC5F 86 01 STX $01 auf RAM (warum
,OC61 91 5A STA ($5A),Y ablegen kein SEI?
,OC63 A2 37 LDX #$37 ROM
,OC65 86 01 STX $01
,OC67 C8 INY
,OC68 D0 02 BNE $0C6C kein Übertrag
,OC6A E6 5B INC $5B H1-Byte erhöhen
,OC6C A6 90 LDX $90 Status
,OC6E F0 EA BEQ $0C5A Ja, weiter
,OC70 EE 0E DC INC $DC0E Register zurück
,OC73 4C 22 0C JMP $0C22 ENDE
,OC76 20 B1 0D JSR $0DB1
,OC79 AD 0C 0B LDA $0B8C
,OC7C 95 FD STA $FD
,OC7E AD BD 0B LDA $0B8D
,OC81 85 FE STA $FE
,OC83 A2 05 LDX #$05
,OC85 BD 31 32 LDA $3231,X
,OC88 9D F0 04 STA $04F0,X
,OC8B CA DEX
,OC8C 10 F7 BPL $0C85
,OC8E A2 0F LDX #$0F
,OC90 BD BB 2E LDA $2EBB,X
,OC93 29 BF AND #$BF
,OC95 9D F7 04 STA $04F7,X
,OC9B CA DEX
,OC97 10 F5 BPL $0C90
,OC9B 20 67 0F JSR $0F67
,OC9E 20 7A 0D JSR $0D7A
,OCA1 A9 00 LDA #$00
,OCA3 85 C6 STA $C6
,OCA5 20 E4 FF JSR $FFE4
,OCA8 F0 FB BEQ $0CA5
,OCAC C9 5A CMP #$5A
,OCAC F0 78 BEQ $0D26
,OCAD C9 55 CMP #$55
,OCBD D0 1A BNE $0CDD
,OCBD A9 12 LDA #$12
,OCBD A2 B6 LDX #$B6
,OCBD A0 2E LDY #$2E
,OCBD 20 BD FF JSR $FFBD
,OCBD A9 01 LDA #$01
,OCBD A2 08 LDX #$08
,OCBD A0 0F LDY #$0F
,OCDD 20 BA FF JSR $FFBA
,OCDD 20 C0 FF JSR $FFC0

```

an File-
adr?

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.,0CE7 A9 01 LDA #01
.,0CC9 20 C3 FF JSR $FFC3
.,0CCC A9 00 LDA #00
.,0CCE 85 90 STA $90
.,0CD0 A9 14 LDA #14
.,0CD2 A2 B8 LDX #B8
.,0CD4 A0 2E LDY #2E
.,0CD6 20 BD FF JSR $FFBD
.,0CD9 A9 02 LDA #02
.,0CDB A2 08 LDX #08
.,0CDD A0 02 LDY #02
.,0CDF 20 BA FF JSR $FFBA
.,0CE2 20 C0 FF JSR $FFC0
.,0CE5 B0 42 BCS #0D29
.,0CE7 A2 02 LDX #02
.,0CE9 20 C9 FF JSR $FFC9
.,0CEC AD E9 2F LDA $2FE9
.,0CEF 85 FB STA $FB
.,0CF1 20 D2 FF JSR $FFD2
.,0CF4 AD EA 2F LDA $2FEA
.,0CF7 85 FC STA $FC
.,0CF9 20 D2 FF JSR $FFD2
.,0CFE CE 0E DC DEC $DC0E
.,0CFF A0 00 LDY #00
.,0D01 84 01 STY $01
.,0D03 B1 FB LDA ($FB),Y
.,0D05 A2 37 LDX #37
.,0D07 86 01 STX $01
.,0D09 20 D2 FF JSR $FFD2
.,0D0C E6 FB INC $FB
.,0D0E D0 02 BNE #0D12
.,0D10 E6 FC INC $FC
.,0D12 A4 FC LDY $FC
.,0D14 C4 FE CPY $FE
.,0D16 90 E7 BCC #0CFF
.,0D18 A6 FB LDX $FB
.,0D1A E4 FD CPX $FD
.,0D1C 90 E1 BCC #0CFF
.,0D1E A9 00 LDA #00
.,0D20 20 D2 FF JSR $FFD2
.,0D23 EE 0E DC INC $DC0E
.,0D26 4C 22 0C JMP #0C22
.,0D29 4C 03 0E JMP #0E03
.,0D2C 20 B1 0D JSR #0DB1
.,0D2F A2 06 LDX #06
.,0D31 BD 38 32 LDA $3238,X
.,0D34 9D F0 04 STA $04F0,X
.,0D37 CA DEX
.,0D38 10 F7 BPL #0D31
.,0D3A A2 0F LDX #0F
.,0D3C BD CC 2E LDA $2ECC,X
.,0D3F 29 BF AND #BF
.,0D41 9D FB 04 STA $04FB,X
.,0D44 CA DEX
.,0D45 10 F5 BPL #0D3C
.,0D47 A9 00 LDA #00
.,0D49 85 90 STA $90
.,0D4B A9 14 LDA #14
.,0D4D A2 CC LDX #CC
.,0D4F A0 2E LDY #2E
.,0D51 20 BD FF JSR $FFBD

```

```

.,0D54 A9 02 LDA #02
.,0D56 A2 08 LDX #08
.,0D58 A0 02 LDY #02
.,0D5A 20 BA FF JSR $FFBA
.,0D5D 20 C0 FF JSR $FFC0
.,0D60 B0 C7 BCS #0D29
.,0D62 A2 02 LDX #02
.,0D64 20 C6 FF JSR $FFC6
.,0D67 20 87 0D JSR #0D87
.,0D6A 20 CF FF JSR $FFCF
.,0D6D A5 90 LDA $90
.,0D6F D0 B8 BNE #0D29
.,0D71 AD 8C 08 LDA #088C
.,0D74 AE 8D 08 LDX #088D
.,0D77 4C 51 0C JMP #0C51
.,0D7A A9 4F LDA #4F
.,0D7C A0 2F LDY #2F
.,0D7E 4C 1E AB JMP #AB1E
.,0D81 20 74 08 JSR #0874
.,0D84 4C 25 08 JMP #0825
.,0D87 20 CF FF JSR $FFCF
.,0D8A 4C CF FF JMP $FFCF
.,0D8D A9 00 LDA #00
.,0D8F 20 BD FF JSR $FFBD
.,0D92 A9 03 LDA #03
.,0D94 A2 04 LDX #04
.,0D96 A0 00 LDY #00
.,0D98 20 BA FF JSR $FFBA
.,0D9B 20 C0 FF JSR $FFC0
.,0D9E A2 03 LDX #03
.,0DA0 4C C9 FF JMP $FFC9
.,0DA3 4C BE 26 JMP $26BE
.,0DA6 A9 11 LDA #11
.,0DAB A0 01 LDY #01
.,0DAA 85 25 STA $25
.,0BAC 84 26 STY $26
.,0DAE 60 RTS
.,0DAF 20 A6 0D JSR #0DA6
.,0DB2 A9 78 LDA #78
.,0DB4 A0 04 LDY #04
.,0DB6 85 5D STA $5D
.,0DB8 84 5E STY $5E
.,0DBA A9 A6 LDA #A6
.,0DBE A0 2E LDY #2E
.,0DBE 85 22 STA $22
.,0DC0 84 23 STY $23
.,0DC2 A2 B8 LDX #B8
.,0DC4 A0 2E LDY #2E
.,0DC6 A9 10 LDA #10
.,0DCB 4C B1 11 JMP #11B1
.,0DCB 20 A6 0D JSR #0DA6
.,0DCE A9 78 LDA #78
.,0DD0 A0 04 LDY #04
.,0DD2 85 5D STA $5D
.,0DD4 84 5E STY $5E
.,0DD6 A9 BA LDA #BA
.,0DD8 A0 2E LDY #2E
.,0DDA 85 22 STA $22
.,0DDC 84 23 STY $23
.,0DDE A2 CC LDX #CC
.,0DE0 A0 2E LDY #2E

```

0DE2 A9 10	LDA #10	0E70 F0 04	BEQ #0E76	kein 34?
0DE4 4C B1 11	JMP #11B1	0E72 C9 22	CMP #122	kein
0DE7 20 A6 0D	JSR #0DA6	0E74 D0 0A	BNE #0E80	kein
0DEA A9 78	LDA #178	0E76 48	PHA	reihen
0DEC A0 04	LDY #104	0E77 AD DC 2F	LDA \$2FDC	laden
0DEE 85 5D	STA #5D	0E7A 49 01	EOR #101	%00000001 (Bit 1)
0DF0 84 5E	STY #5E	0E7C 8D DC 2F	STA \$2FDC	speichern, invertieren
0DF2 A9 E4	LDA #1E4	0E7F 68	PLA	zurückholen
0DF4 A0 2E	LDY #12E	0E80 C8	INV	
0DF6 85 22	STA #22	0E81 C0 29	CPY #129	41 mal wiederholen
0DF8 84 23	STY #23	0E83 F0 13	BEQ #0E98	schon fertig?
0DFA A2 F6	LDX #1F6	0E85 AE DC 2F	LDX \$2FDC	
0DFC A0 2E	LDY #12E	0E88 D0 04	BNE #0E8E	wicht 0
0DFE A9 10	LDA #10	0E8A C9 20	CMP #120	Akku 82?
0E00 4C B1 11	JMP #11B1	0E8C F0 DE	BEQ #0E6C	
0E03 20 E7 FF	JSR #FFE7	0E8E A6 02	LDX #02	Zähler
0E06 A2 0A	LDX #10A	0E90 9D F1 2F	STA \$2FF1, X	+ ablegen
0E08 A0 01	LDY #101	0E93 E8	INX	Zähler erhöhen
0E0A 20 0C E5	JSR #E50C	0E94 86 02	STX #02	weilen
0E0D 20 36 1C	JSR #1C36	0E96 D0 D4	BNE #0E6C	
0E10 A9 01	LDA #101	0E98 A6 02	LDX #02	
0E12 8D DC 2F	STA \$2FDC	0E9A D0 12	BNE #0EAE	
0E15 20 50 08	JSR #0850	0E9C A2 03	LDX #103	
0E18 AD 52 09	LDA #0952	0E9E BD E6 2F	LDA \$2FE6, X	
0E1B 8D D1 2F	STA \$2FD1	0EA1 9D EF 2F	STA \$2FEF, X	
0E1E 20 73 18	JSR #1873	0EA4 CA	DEX	
0E21 4C F1 08	JMP #08F1	0EA5 10 F7	BPL #0E9E	
0E24 20 6E 0F	JSR #0F6E	0EA7 A9 04	LDA #104	
0E27 B0 1A	BCS #0E43	0EA9 85 FE	STA #FE	
0E29 AD E9 2F	LDA \$2FE9	0EAB 4C 2B 0F	JMP #0F2B	
0E2C 85 FB	STA #FB	0EAE AD F1 2F	LDA \$2FF1	
0E2E AD EA 2F	LDA \$2FEA	0EB1 C9 3B	CMP #13B	
0E31 85 FC	STA #FC	0EB3 F0 09	BEQ #0EBE	
0E33 20 48 0A	JSR #0A48	0EB5 BD F0 2F	LDA \$2FF0, X	
0E36 A0 00	LDY #100	0EB8 C9 3A	CMP #13A	
0E38 A9 FF	LDA #1FF	0EBA D0 22	BNE #0EDE	
0E3A 91 FB	STA (\$FB), Y	0EBC F0 0F	BEQ #0ECD	
0E3C 98	TYA	0EBE BD F0 2F	LDA \$2FF0, X	
0E3D C8	INV	0EC1 C9 20	CMP #120	
0E3E 91 FB	STA (\$FB), Y	0EC3 D0 08	BNE #0ECD	
0E40 20 4E 0A	JSR #0A4E	0EC5 A9 00	LDA #100	
0E43 4C 1E 13	JMP #131E	0EC7 9D F0 2F	STA \$2FF0, X	
0E46 AE D9 2F	LDX \$2FD9	0ECA CA	DEX	
0E49 D0 01	BNE #0E4C	0ECB 10 F1	BPL #0EBE	
0E4B 60	RTS	0ECD 18	CLC	
0E4C A2 28	LDX #128	0ECE 8A	TXA	
0E4E A9 00	LDA #100	0ECF 69 03	ADC #103	
0E50 8D DC 2F	STA \$2FDC	0ED1 85 FE	STA #FE	
0E53 9D EF 2F	STA \$2FEF, X	0ED3 8D EF 2F	STA \$2FEF	
0E56 CA	DEX	0ED6 A9 55	LDA #155	
0E57 10 FA	BPL #0E53	0ED8 8D F0 2F	STA \$2FF0	
0E59 20 BD 09	JSR #09BD	0EDB 4C 2B 0F	JMP #0F2B	
0E5C A0 01	LDY #101	0EDE A2 00	LDX #100	
0E5E 20 48 0A	JSR #0A48	0EE0 86 26	STX #26	
0E61 B1 28	LDA (\$28), Y	0EE2 A0 00	LDY #100	
0E63 20 4E 0A	JSR #0A4E	0EE4 BD 62 32	LDA \$3262, X	
0E66 85 FD	STA #FD	0EE7 D9 F1 2F	CMP \$2FF1, Y	
0E68 A0 00	LDY #100	0EEA D0 0E	BNE #0EFA	
0E6A 84 02	STY #02	0EEC C8	INV	
0E6C B1 5E	LDA (\$5E), Y	0EED EB	INX	
0E6E C9 3B	CMP #13B	0EEE C0 03	CPY #103	

CLALL
Cursor 10/1
Fehlerkanal + TASTE
Zeiger am BS ausgb.
Zähler
Zähler erhöhen
wicht 0
Akku 82?
Zähler
+ ablegen
Zähler erhöhen
weilen
nicht 0
wenn Null
Tabelle löschen
RAM
ROM
ablegen
Zähler
laden
sg

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.,0EF0 D0 F2 BNE #0EE4
.,0EF2 A5 26 LDA #26
.,0EF4 8D F0 2F STA #2FF0
.,0EF7 4C 09 0F JMP #0F09
.,0EFA C8 INY
.,0EFB EB INX
.,0EFC C0 03 CPY #03
.,0EFE D0 FA BNE #0EFA
.,0F00 E6 26 INC #26
.,0F02 E0 55 CPX #55
.,0F04 D0 DC BNE #0EE2
.,0F06 4C 10 0E JMP #0E10
.,0F09 A6 02 LDX #02
.,0F0B E0 03 CPX #03
.,0F0D D0 08 BNE #0F17
.,0F0F A9 20 LDA #20
.,0F11 EB INX
.,0F12 9D F0 2F STA #2FF0,X
.,0F15 86 02 STX #02
.,0F17 A2 00 LDX #00
.,0F19 BD F4 2F LDA #2FF4,X
.,0F1C 9D F1 2F STA #2FF1,X
.,0F1F EB INX
.,0F20 C9 00 CMP #00
.,0F22 D0 F5 BNE #0F19
.,0F24 A6 02 LDX #02
.,0F26 86 FE STX #FE
.,0F28 8E EF 2F STX #2FEF
.,0F2B A9 00 LDA #00
.,0F2D 8D D9 2F STA #2FD9
.,0F30 8D DC 2F STA #2FDC
.,0F33 A5 FE LDA #FE
.,0F35 C5 FD CMP #FD
.,0F37 F0 19 BEQ #0F52
.,0F39 30 0C BMI #0F47
.,0F3B 38 SEC
.,0F3C E5 FD SBC #FD
.,0F3E 8D 1D 32 STA #321D
.,0F41 20 D3 09 JSR #09D3
.,0F44 4C 52 0F JMP #0F52
.,0F47 A5 FD LDA #FD
.,0F49 38 SEC
.,0F4A E5 FE SBC #FE
.,0F4C 8D 1E 32 STA #321E
.,0F4F 20 F6 09 JSR #09F6
.,0F52 20 F9 1E JSR #1EF9
.,0F55 20 48 0A JSR #0A48
.,0F58 A0 00 LDY #00
.,0F5A B9 EE 2F LDA #2FEE,Y
.,0F5D 91 28 STA (#28),Y
.,0F5F CB INY
.,0F60 C4 FE CPY #FE
.,0F62 D0 F6 BNE #0F5A
.,0F64 4C F1 08 JMP #0BF1
.,0F67 A2 08 LDX #08
.,0F69 A0 00 LDY #00
.,0F6B 4C 0C E5 JMP #E50C
.,0F6E A9 0E LDA #0E
.,0F70 A0 01 LDY #01
.,0F72 85 25 STA #25
.,0F74 84 26 STY #26
.,0F76 A9 CB LDA #CB

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.,0F7B A0 04 LDY #04
.,0F7A 85 5D STA #5D
.,0F7C 84 5E STY #5E
.,0F7E A9 97 LDA #97
.,0F80 A0 0F LDY #0F
.,0F82 85 22 STA #22
.,0F84 84 23 STY #23
.,0F86 20 05 0B JSR #0B05
.,0F89 A9 98 LDA #98
.,0F8B 8D 02 D0 STA #D002
.,0F8E A9 62 LDA #62
.,0F90 8D 03 D0 STA #D003
.,0F93 20 E4 FF JSR #FFE4
.,0F96 F0 FB BEQ #0F93
.,0F98 C9 4A CMP #4A
.,0F9A F0 05 BEQ #0FA1
.,0F9C 20 CA 0A JSR #0ACA
.,0F9F 38 SEC
.,0FA0 60 RTS
.,0FA1 20 DA 0A JSR #0ACA
.,0FA4 18 CLC
.,0FA5 60 RTS
.,0FA6 D3 ???
.,0FA7 49 43 EOR #43
.,0FA9 48 PHA
.,0FAA 45 52 EOR #52
.,0FAC 20 28 CA JSR #0A28
.,0FAF 2F ???
.,0FB0 CE 29 3F DEC #3F29
.,0FB3 A9 1B LDA #1B
.,0FB5 A0 07 LDY #07
.,0FB7 85 25 STA #25
.,0FB9 84 26 STY #26
.,0FBB A9 81 LDA #81
.,0FBD A0 04 LDY #04
.,0FBE 85 5D STA #5D
.,0FC1 84 5E STY #5E
.,0FC3 A9 96 LDA #96
.,0FC5 A0 2D LDY #2D
.,0FC7 85 22 STA #22
.,0FC9 84 23 STY #23
.,0FCB 20 05 0B JSR #0B05
.,0FCE A2 04 LDX #04
.,0FDD 20 7C 10 JSR #107C
.,0FDD AE EB 2F LDX #2FEB
.,0FD6 AD EC 2F LDA #2FEC
.,0FD9 20 3E 11 JSR #113E
.,0FDC A2 05 LDX #05
.,0FDE 20 7C 10 JSR #107C
.,0FE1 AD 8D 08 LDA #088D
.,0FE4 AE 8C 08 LDX #088C
.,0FE7 20 3E 11 JSR #113E
.,0FEA A2 06 LDX #06
.,0FEC A0 17 LDY #17
.,0FEE 20 0C E5 JSR #E50C
.,0FF1 AD BC 08 LDA #08BC
.,0FF4 AC 8D 08 LDY #088D
.,0FF7 38 SEC
.,0FF8 ED E9 2F SBC #2FE9
.,0FFB AA TAX
.,0FFC 86 FD STX #FD

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```

.,0FFE B0 02    BCS #1002
.,1000 CB      INY
.,1001 3B      SEC
.,1002 9B      TYA
.,1003 ED EA 2F SBC #2FEA
.,1006 B5 FE    STA #FE
.,1008 20 CD BD JSR #BDCD
.,100B A2 0B    LDX ##0B
.,100D A0 1A    LDY ##1A
.,100F 20 0C E5 JSR #E50C
.,1012 A9 00    LDA ##00
.,1014 A6 FE    LDX #FE
.,1016 EB      INX
.,1017 20 CD BD JSR #BDCD
.,101A A2 09    LDX ##09
.,101C A0 1A    LDY ##1A
.,101E 20 0C E5 JSR #E50C
.,1021 20 95 12 JSR #1295
.,1024 A9 03    LDA ##03
.,1026 B5 F7    STA #F7
.,1028 A9 00    LDA ##00
.,102A B5 F8    STA #F8
.,102C 20 AC 35 JSR #35AC
.,102F A6 F7    LDX #F7
.,1031 A5 F8    LDA #F8
.,1033 20 3E 11 JSR #113E
.,1036 A2 07    LDX ##07
.,1038 A0 17    LDY ##17
.,103A 20 0C E5 JSR #E50C
.,103D AD EB 2F LDA #2FEB
.,1040 AC EC 2F LDY #2FEC
.,1043 3B      SEC
.,1044 ED BC 0B SBC #08BC
.,1047 AA      TAX
.,1048 B0 02    BCS #104C
.,104A CB      INY
.,104B 3B      SEC
.,104C 9B      TYA
.,104D ED BD 0B SBC #08BD
.,1050 20 CD BD JSR #BDCD
.,1053 A2 0A    LDX ##0A
.,1055 A0 1A    LDY ##1A
.,1057 20 0C E5 JSR #E50C
.,105A 20 95 12 JSR #1295
.,105D A9 00    LDA ##00
.,105F A0 07    LDY ##07
.,1061 B4 F7    STY #F7
.,1063 B5 F8    STA #F8
.,1065 20 AC 35 JSR #35AC
.,1068 A6 F7    LDX #F7
.,106A A5 F8    LDA #F8
.,106C 20 3E 11 JSR #113E
.,106F 20 E4 FF JSR #FFE4
.,1072 D0 07    BNE #107B
.,1074 AD 00 DC LDA #DE00
.,1077 C9 6F    CMP ##6F
.,1079 D0 F4    BNE #106F
.,107B 60      RTS
.,107C A0 17    LDY ##17
.,107E 20 0C E5 JSR #E50C
.,1081 AD EA 2F LDA #2FEA

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.,1084 AE E9 2F LDX #2FE9
.,1087 20 3E 11 JSR #113E
.,108A 20 D2 27 JSR #27D2
.,108D A9 2D    LDA ##2D
.,108F 20 D2 FF JSR #FFD2
.,1092 4C D2 27 JMP #27D2
.,1095 20 25 0B JSR #0B25
.,1098 A9 00    LDA ##00
.,109A B5 5A    STA #5A
.,109C A9 24    LDA ##24
.,109E BD 00 01 STA #0100
.,10A1 20 D7 AA JSR #AAD7
.,10A4 A9 01    LDA ##01
.,10A6 AB      TAY
.,10A7 A2 00    LDX ##00
.,10A9 20 BD FF JSR #FFBD
.,10AC A2 0B    LDX ##0B
.,10AE A0 60    LDY ##60
.,10B0 20 BA FF JSR #FFBA
.,10B3 20 D5 F3 JSR #F3D5
.,10B6 A5 BA    LDA #BA
.,10B8 20 B4 EF JSR #FEB4
.,10BB A5 B9    LDA #B9
.,10BD 20 96 FF JSR #FF96
.,10C0 A9 00    LDA ##00
.,10C2 B5 90    STA #90
.,10C4 A0 03    LDY ##03
.,10C6 B4 FB    STY #FB
.,10C8 20 A5 FF JSR #FRA5
.,10CB B5 FE    STA #FE
.,10CD A4 90    LDY #90
.,10CF D0 F5    BNE #10C6
.,10D1 20 A5 FF JSR #FFA5
.,10D4 A4 90    LDY #90
.,10D6 D0 3B    BNE #1113
.,10D8 A4 FB    LDY #FB
.,10DA B8      DEY
.,10DB D0 E9    BNE #10E6
.,10DD 4B      PHA
.,10DE E6 5A    INC #5A
.,10E0 A6 5A    LDX #5A
.,10E2 E0 0F    CFX #0F
.,10E4 D0 0C    BNE #10F2
.,10E6 20 36 0B JSR #0B36
.,10E9 A9 0D    LDA ##0D
.,10EB 20 16 E7 JSR #E716
.,10EE A9 00    LDA ##00
.,10F0 B5 5A    STA #5A
.,10F2 6B      PLA
.,10F3 A6 FE    LDX #FE
.,10F5 20 CD BD JSR #BDCD
.,10FB 20 D2 27 JSR #27D2
.,10FD 20 A5 FF JSR #FFA5
.,10FE A6 90    LDX #90
.,1100 D0 11    BNE #1113
.,1102 AA      TAX
.,1103 F0 06    BEQ #110B
.,1105 20 D2 FF JSR #FFD2
.,1108 4C FB 10 JMP #10FB
.,110B 20 D7 27 JSR #27D7
.,110E A0 02    LDY ##02

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.,1110 4C D6 10 JMP #10C6
.,1113 20 E7 FF JSR #FFE7
.,1114 4C 36 1C JMP #1E36
.,1117 20 D7 27 JSR #27D7 RETURN ausgb.
.,111C 20 42 F6 JSR #F642 CLOSE
.,111F A7 00 LDA #00
.,1121 85 02 STA #02
.,1123 A9 08 LDA #08
.,1125 85 BA STA #BA Floppy
.,1127 20 B4 JSR #FFB4 TALK
.,112A A9 6F LDA #6F
.,112C 85 B9 STA #B9 Sekundäradr.
.,112E 20 96 FF JSR #FF96 und senden
.,1131 20 45 FF JSR #FF45 Byte holen
.,1134 20 14 E7 JSR #E714 ausgeben
.,1137 C9 0D CMP #0D CR?
.,1139 D0 F6 BNE #1131 nein?
.,113B 45 AB FF JMP #FFAB UNTERAK+RTS
.,113E 85 B5 STA #B5 Hex-Zahl mX/A
.,1140 85 B4 STA #B4 ausgeben
.,1142 A9 24 LDA #24 $ (Dollar)
.,1144 20 D2 FF JSR #FFD2 angetan
.,1147 A5 B5 LDA #B5
.,1149 20 51 11 JSR #1151
.,114C A5 B4 LDA #B4
.,114E 40 51 11 JMP #1151
.,1151 85 9F STA #9F
.,1153 A2 00 LDX #00
.,1155 38 SEC
.,1157 E9 10 SBC #10
.,1158 90 05 BCC #115F
.,115A E8 INX
.,115B 85 9F STA #9F
.,115D D0 F6 BNE #1155
.,115F 8A TXA
.,1160 20 65 11 JSR #1165
.,1163 A5 9F LDA #9F
.,1165 C9 0A CMP #0A
.,1167 30 02 BMI #116B
.,1169 69 06 ADC #06
.,116B 69 30 ADC #30
.,116D 4C D2 FF JMP #FFD2
.,1170 A9 26 LDA #26
.,1172 A0 01 LDY #01
.,1174 85 25 STA #25
.,1176 84 26 STY #26
.,1178 A9 78 LDA #78
.,117A A0 04 LDY #04
.,117C 85 5D STA #5D
.,117E 84 5E STY #5E
.,1180 A9 85 LDA #85
.,1182 A0 2F LDY #2F
.,1184 85 22 STA #22
.,1186 84 23 STY #23
.,1188 A2 AC LDX #AC
.,118A A0 2F LDY #2F
.,118C A9 25 LDA #25
.,118E 20 D1 11 JSR #11B1
.,1191 A2 AC LDX #AC
.,1193 A0 2F LDY #2F
.,1195 20 BD FF JSR #FFBD
.,1198 AD AC 2F LDA #2FAC

```

```

.,119B C9 24 CMP #24
.,119D D0 03 BNE #11A2
.,119F 4C 95 10 JMP #1095
.,11A2 A9 01 LDA #01
.,11A4 A2 08 LDX #08
.,11A6 A0 0F LDY #0F
.,11A8 20 BA FF JSR #FFBA
.,11AB 20 C0 FF JSR #FFC0
.,11AE 4C E7 FF JMP #FFE7
.,11B1 85 5A STA #5A
.,11B3 86 5B STX #5B
.,11B5 84 5C STY #5C
.,11B7 20 05 0B JSR #0B05
.,11BA A2 01 LDX #01
.,11BC 9E D9 2F STX #2FD9
.,11BF AD 10 D0 LDA #D010
.,11C2 48 RMA
.,11C3 29 FD AND #FD
.,11C5 8D 10 D0 STA #D010
.,11C8 A9 20 LDA #20
.,11CA 8D 02 D0 STA #D002
.,11CD A9 52 LDA #52
.,11CF 8D 03 D0 STA #D003
.,11D2 A0 00 LDY #00
.,11D4 84 02 STY #02
.,11D6 20 E4 FF JSR #FFE4
.,11D9 A4 02 LDY #02
.,11DB C9 0D CMP #0D
.,11DD D0 1B BNE #11FA
.,11DF 20 CA 0A JSR #0ACA
.,11E2 A4 5A LDY #5A
.,11E4 8B DEY
.,11E5 B1 5B LDA (#5B),Y
.,11E7 C9 20 CMP #20
.,11E9 D0 03 BNE #11EE
.,11EB 8B DEY
.,11EC B0 F7 BCS #11E5
.,11EE C8 INY
.,11EF 6B PLA
.,11F0 8D 10 D0 STA #D010
.,11F3 9B TYA
.,11F4 A2 00 LDX #00
.,11F6 8E D9 2F STX #2FD9
.,11F9 60 RTS
.,11FA C9 14 CMP #14
.,11FC D0 2C BNE #122A
.,11FE C0 00 CPY #00
.,1200 F0 D2 BEQ #11D4
.,1202 8B DEY
.,1203 A9 20 LDA #20
.,1205 91 5B STA (#5B),Y
.,1207 99 A1 04 STA #04A1,Y
.,120A AE D9 2F LDX #2FD9
.,120D E0 01 CPX #01
.,120F F0 16 BEQ #1227
.,1211 CE D9 2F DEC #2FD9
.,1214 AD 02 D0 LDA #D002
.,1217 38 SEC
.,1218 E9 08 SBC #08
.,121A 8D 02 D0 STA #D002
.,121D B0 08 BCS #1227

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.,121F AD 10 D0 LDA $D010
.,1222 49 02 EOR #$02
.,1224 8D 10 D0 STA $D010
.,1227 4C D4 11 JMP $11D4
.,122A C9 9D CMP #$9D
.,122C D0 07 BNE $1235
.,122E C0 09 CPY #$00
.,1230 F0 A2 BEQ $11D4
.,1232 8B DEY
.,1233 10 D5 BPL $120A
.,1235 C9 1D CMP #$1D
.,1237 D0 08 BNE $1241
.,1239 CB INY
.,123A C4 5A CPY $5A
.,123C 30 21 BMI $125F
.,123E 8B DEY
.,123F 10 93 BPL $11D4
.,1241 C9 20 CMP #$20
.,1243 90 BF BCC $11D4
.,1245 C9 A0 CMP #$A0
.,1247 B0 04 BCS $124D
.,1249 C9 8D CMP #$8D
.,124B B0 87 BCS $11D4
.,124D C4 5A CPY $5A
.,124F F0 83 BEQ $11D4
.,1251 91 5B STA ($5B),Y
.,1253 20 C9 26 JSR $26C9
.,1256 99 A1 04 STA $04A1,Y
.,1259 CB INY
.,125A C4 5A CPY $5A
.,125C 30 01 BMI $125F
.,125E 8B DEY
.,125F AE D9 2F LDX $2FD9
.,1262 E4 5A CPX $5A
.,1264 F0 16 BEQ $127C
.,1266 EE D9 2F INC $2FD9
.,1269 AD 02 D0 LDA $D002
.,126C 1B CLC
.,126D 69 08 ADC #$08
.,126F 8D 02 D0 STA $D002
.,1272 90 08 BCC $127C
.,1274 AD 10 D0 LDA $D010
.,1277 49 02 EOR #$02
.,1279 8D 10 D0 STA $D010
.,127C 4C D4 11 JMP $11D4
.,127F AD D7 2F LDA $2FD7
.,1282 85 FB STA $FB
.,1284 AD D8 2F LDA $2FD8
.,1287 85 FC STA $FC
.,1289 60 RTS
.,128A A5 FB LDA $FB
.,128C 8D D7 2F STA $2FD7
.,128F A5 FC LDA $FC
.,1291 8D D8 2F STA $2FD8
.,1294 60 RTS
.,1295 A5 FD LDA $FD
.,1297 85 A9 STA $A9
.,1299 A5 FE LDA $FE
.,129B 85 AA STA $AA
.,129D 60 RTS
.,129E 4B PHA
.,129F BA TXA

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.,12A0 4B PHA
.,12A1 AD 00 DC LDA $DC00
.,12A4 C9 7F CMP #$7F
.,12A6 F0 70 BEQ $1318
.,12A8 3B SEC
.,12A9 6A ROR
.,12AA B0 0D BCS $12B9
.,12AC AE 01 D0 LDX $D001
.,12AF E0 3C CPX #$3C
.,12B1 90 06 BCC $12B9
.,12B3 CE 01 D0 DEC $D001
.,12B6 CE 01 D0 DEC $D001
.,12B9 3B SEC
.,12BA 6A ROR
.,12BB B0 0D BCS $12CA
.,12BD AE 01 D0 LDX $D001
.,12C0 E0 EB CPX #$EB
.,12C2 B0 06 BCC $12CA
.,12C4 EE 01 D0 INC $D001
.,12C7 EE 01 D0 INC $D001
.,12CA 3B SEC
.,12CB 6A ROR
.,12CC B0 23 BCS $12F1
.,12CE 4B PHA
.,12CF A9 01 LDA #$01
.,12D1 2C 10 D0 BIT $D010
.,12D4 D0 0F BNE $12E5
.,12D6 AE 00 D0 LDX $D000
.,12D9 E0 1D CPX #$1D
.,12DB 90 13 BCC $12F0
.,12DD CE 00 D0 DEC $D000
.,12E0 CE 00 D0 DEC $D000
.,12E3 D0 0B BNE $12F0
.,12E5 DE 00 D0 DEC $D000
.,12E8 CE 00 D0 DEC $D000
.,12EB 10 03 BPL $12F0
.,12ED CE 10 D0 DEC $D010
.,12F0 6B PLA
.,12F1 3B SEC
.,12F2 6A ROR
.,12F3 B0 23 BCS $1318
.,12F5 4B PHA
.,12F6 A9 01 LDA #$01
.,12F8 2C 10 D0 BIT $D010
.,12FB F0 0F BEQ $130C
.,12FD AE 00 D0 LDX $D000
.,1300 E0 26 CPX #$26
.,1302 B0 13 BCC $1317
.,1304 EE 00 D0 INC $D000
.,1307 EE 00 D0 INC $D000
.,130A D0 0B BNE $1317
.,130C EE 00 D0 INC $D000
.,130F EE 00 D0 INC $D000
.,1312 D0 03 BNE $1317
.,1314 EE 10 D0 INC $D010
.,1317 6B PLA
.,1318 6B PLA
.,1319 AA TAX
.,131A 6B PLA
.,131B 4C 31 EA JMP $EA31
.,131E 20 97 41 JSR $4197

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(PHA) ~~unnötig~~ (-> 1317)

(PLA) ~~unnötig~~ auch \$FFFF/F!
28.9.93

eigener IRQ (siehe 138F) Einsprung aus Basic
privat später mit \$2C (BIT) über-
schrieben

IRQ

Speicher löschen?

1321 20 54 0A JSR #0A54 Ton	13D1 20 95 0A JSR #0A95 Bildschirm aufbauen
1324 A9 2C LDA #12C JSR durch BIT über-	13B4 A9 03 LDA #03 sprites an
1326 8D 1E 13 STA #131E schreiben	13B6 8D 15 D0 STA #D015
1329 A9 00 LDA #100	13B9 20 BF 0A JSR #0ABF unlogisch, da
132B 8D 20 D0 STA #D020 } BS schwarz	13BC A2 00 LDX #100 wiederum
132E 8D 21 D0 STA #D021	13BE 0E DC 2F STX #2FDC
1331 8D D9 2F STA #2FDB	13C1 8E DA 2F STX #2FDA
1334 8D D4 2F STA #2FD4	13C4 8E BA 02 STX #02BA
1337 AD E9 2F LDA #2FE9	13C7 AE DB 2F LDX #2FDB
133A 8D D7 2F STA #2FD7	13CA F0 0A BEQ #13D6
133D AD EA 2F LDA #2FEA	13CC A9 80 LDA #80
1340 8D D8 2F STA #2FDB	13CE 8D BA 02 STA #02BA
1343 A9 0E LDA #0E	13D1 A9 D2 LDA #D2
1345 20 D2 FF JSR #FFD2 Kleinschrift	13D3 8D 50 04 STA #0450
1348 A9 08 LDA #08 und verriegeln	13D6 AE 17 32 LDX #3217
134A 20 D2 FF JSR #FFD2	13D9 F0 05 BEQ #13E9
134D A9 0B LDA #0B dunkelgrau	13DE A9 02 LDA #02
134F 8D BA 02 STA #02BA BS löschen	13DD 8D 54 04 STA #0454
1352 20 D2 FF JSR #FFD2 Haus grün	13E0 AE 1A 32 LDX #321A
1355 A9 05 LDA #05	13E3 F0 0A BEQ #13EF
1357 8D 27 D0 STA #D027	13E5 A9 E4 LDA #E4
135A A9 0F LDA #0F	13E7 8D 55 04 STA #0455
135C 8D 28 D0 STA #D028 Cursor hellgrau	13EA A9 C2 LDA #C2
135F A2 1F LDX #11F	13EC 8D 54 04 STA #0454
1361 8D B2 33 LDA #33B2, x Sprite (Maus)	13EF 20 F1 08 JSR #08F1
1364 8D 40 03 STA #0340, x kopieren	13F2 20 F1 08 JSR #08F1
1367 CA DEX	13F5 20 37 18 JSR #1837
1368 10 F7 BPL #1361	13F8 AE 00 DC LDX #DC00
136A A2 5F LDX #5F	13FB E0 6F CFX #6F
136C A9 0A LDA #0A	13FD D0 54 BNE #1453
136E 8D 40 03 STA #0340, x	13FF AD 01 D0 LDA #D001
1371 CA DEX	1402 D9 42 CMP #42
1372 10 FA BPL #136E	1404 B0 06 BCS #140C
1374 A0 07 LDY #07 8 vertikal	1406 20 46 0E JSR #0E46
1376 8A TXA = \$FF	1409 4C 9D 18 JMP #189D
1377 E8 INX = 0	140C 20 46 0E JSR #0E46
1378 8D B0 03 STA #03B0, x auf \$FF	140F AD D3 2F LDA #2FD3
137B E8 INX	1412 38 SEC
137C E8 INX um 3 erhöhen	1413 ED D2 2F SBC #2FD2
137D E8 INX	1416 8D D3 2F STA #2FD3
137E 88 DEY zeile = zeiler - 1	1419 B0 03 BCS #141E
137F 10 F7 BPL #1378 LOOP	141B CE D4 2F DEC #2FD4
1381 A2 0D LDX #0D	141E AD 01 D0 LDA #D001
1383 8E F8 07 STX #07F8 Sprite-Zeiger	1421 E9 42 SBC #42
1386 E8 INX	1423 4A LSR
1387 8E F9 07 STX #07F9 auf 13, 14	1424 4A LSR
138A A9 02 LDA #02	1425 4A LSR
138C 8D 1B D0 STA #D01B	1426 D0 04 BNE #142C
138F 7B SEI	1428 A9 01 LDA #01
1390 A9 9E LDA #9E	142A D0 06 BNE #1432
1392 A0 12 LDY #12	142C D9 15 CMP #15
1394 8D 14 03 STA #0314	142E 30 02 BMI #1432
1397 8C 15 03 STY #0315	1430 A9 01 LDA #01
139A 5B CLI	1432 8D D2 2F STA #2FD2
139B A9 01 LDA #01	1435 18 CLC
139D 8D D3 2F STA #2FD3	1436 6D D3 2F ADC #2FD3
13A0 8D D1 2F STA #2FD1	1439 8D D3 2F STA #2FD3
13A3 8D D2 2F STA #2FD2	143C 90 03 DEC #1441
13A6 A9 40 LDA #40	143E EE D4 2F INC #2FD4
13A8 8D 00 D0 STA #D000	1441 20 67 08 JSR #0867
13AB 8D 01 D0 STA #D001	1444 8D D1 2F STA #2FD1
13AE 20 25 08 JSR #0825	

Handwritten notes and markings:

- BS löschen** (near 134F)
- Cursor hellgrau** (near 135C)
- Sprite (Maus) kopieren** (near 1361)
- Cursor** (near 1368)
- löschen** (near 1371)
- 8 vertikal** (near 1374)
- um 3 erhöhen** (near 1378)
- zeile = zeiler - 1** (near 137E)
- LOOP** (near 137F)
- Sprite-Zeiger auf 13, 14** (near 1387)
- Cursor keine Priorität** (near 1390)
- eigener IRQ** (near 1392)
- Zeiger** (near 139D)
- Maus-Position** (near 13A6)
- Textfenster löschen** (near 13AE)
- Bildschirm aufbauen sprites an** (near 13D1)
- unlogisch, da wiederum** (near 13B9)
- Zeiger Repeat-Zeiger (Flag) null?** (near 13CA)
- nein, Repeat ein** (near 13CC)
- anzeigen ist normalerweise 32** (near 13D6)
- anzeigen** (near 13DE)
- Zahlen anzeigen** (near 13EF)
- Kopiererei** (near 13F2)
- Joystick Fire?** (near 13FB)
- nein** (near 13FD)
- Y-Pos > \$42? (66)** (near 13FF)
- ja** (near 1404)

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.,1447 20 97 18 JSR $1897
.,144A 4C F5 13 JMP $13F5
.,144D 20 85 0A JSR $0A85
.,1450 4C F8 13 JMP $13F8
.,1453 20 AB 08 JSR $08AB
.,1456 20 BD 09 JSR $09BD
.,1459 AD DC 2F LDA $2FDC
.,145C D0 06 BNE $1464
.,145E A5 CB LDA $CB
.,1460 C9 07 CMP #$07
.,1462 F0 03 BEQ $1467
.,1464 4C 50 15 JMP $1550
.,1467 20 46 0E JSR $0E46
.,146A AE 8D 02 LDX $028D
.,146D F0 1F BEQ $148E
.,146F E0 01 CPX #$01
.,1471 F0 52 BEQ $14C5
.,1473 AC D2 2F LDY $2ED2
.,1476 C0 01 CPY #$01
.,1478 F0 03 BEQ $147D
.,147A 4C 62 17 JMP $1762
.,147D E0 02 CPX #$02
.,147F D0 03 BNE $1484
.,1481 4C FE 14 JMP $14FE
.,1484 E0 03 CPX #$03
.,1486 D0 03 BNE $148B
.,1488 4C 26 15 JMP $1526
.,148B 4C F8 13 JMP $13F8
.,148E AE D4 2F LDX $2FD4
.,1491 EC D6 2F CPX $2FD6
.,1494 D0 08 BNE $149E
.,1496 AE D3 2F LDX $2FD3
.,1499 EC D5 2F CPX $2FD5
.,149C F0 AF BEQ $144D
.,149E AE D2 2F LDX $2FD2
.,14A1 E0 14 CPX #$14
.,14A3 F0 11 BEQ $14B6
.,14A5 EE D2 2F INC $2FD2
.,14A8 A2 3C LDX #$3C
.,14AA 20 EA 08 JSR $08EA
.,14AD 20 E1 08 JSR $08E1
.,14B0 20 80 18 JSR $1880
.,14B3 4C F5 13 JMP $13F5
.,14B6 20 7F 12 JSR $127F
.,14B9 20 35 0A JSR $0A35
.,14BC 20 8A 12 JSR $128A
.,14BF 20 E1 08 JSR $08E1
.,14C2 4C F2 13 JMP $13F2
.,14C5 AE D4 2F LDX $2FD4
.,14C8 D0 0D BNE $14D7
.,14CA AE D3 2F LDX $2FD3
.,14CD E0 01 CPX #$01
.,14CF D0 06 BNE $14D7
.,14D1 20 85 0A JSR $0A85
.,14D4 4C F8 13 JMP $13F8
.,14D7 AE D2 2F LDX $2FD2
.,14DA E0 01 CPX #$01
.,14DC F0 11 BEQ $14EF
.,14DE CE D2 2F DEC $2FD2
.,14E1 A2 32 LDX #$32
.,14E3 20 EA 08 JSR $08EA

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.,14E6 20 D2 08 JSR $08D2
.,14E9 20 80 18 JSR $1880
.,14EC 4C F5 13 JMP $13F5
.,14EF 20 7F 12 JSR $127F
.,14F2 20 19 0A JSR $0A19
.,14F5 20 8A 12 JSR $128A
.,14F8 20 D2 08 JSR $08D2
.,14FB 4C F2 13 JMP $13F2
.,14FE AE ED 2F LDX $2FED
.,1501 86 9E STX $9E
.,1503 20 7F 12 JSR $127F
.,1506 AE D4 2F LDX $2FD4
.,1509 EC D6 2F CPX $2FD6
.,150C 90 08 BCC $1516
.,150E AE D3 2F LDX $2FD3
.,1511 EC D5 2F CPX $2FD5
.,1514 D0 0A BCS $1520
.,1516 20 35 0A JSR $0A35
.,1519 20 E1 08 JSR $08E1
.,151C C6 9E DEC $9E
.,151E D0 E6 BNE $1506
.,1520 20 8A 12 JSR $128A
.,1523 4C F2 13 JMP $13F2
.,1526 AE ED 2F LDX $2FED
.,1529 86 9E STX $9E
.,152B 20 7F 12 JSR $127F
.,152E AE D4 2F LDX $2FD4
.,1531 D0 0D BNE $1540
.,1533 AE D3 2F LDX $2FD3
.,1536 E0 01 CPX #$01
.,1538 D0 06 BNE $1540
.,153A 20 85 0A JSR $0A85
.,153D 4C 4A 15 JMP $154A
.,1540 20 19 0A JSR $0A19
.,1543 20 D2 08 JSR $08D2
.,1546 C6 9E DEC $9E
.,1548 D0 E4 BNE $152E
.,154A 20 8A 12 JSR $128A
.,154D 4C F2 13 JMP $13F2
.,1550 AE DC 2F LDX $2FDC
.,1553 D0 0A BNE $155F
.,1555 AE 8D 02 LDX $028D
.,1558 E0 04 CPX #$04
.,155A 90 03 BCC $155F
.,155C 4C D8 16 JMP $16D8
.,155F 20 E4 FF JSR $FFE4
.,1562 D0 03 BNE $1567
.,1564 4C F8 13 JMP $13F8
.,1567 C9 22 CMP #$22
.,1569 D0 03 BNE $156E
.,156B 20 50 08 JSR $0850
.,156E AE DC 2F LDX $2FDC
.,1571 D0 28 BNE $159B
.,1573 C9 1D CMP #$1D
.,1575 D0 10 BNE $1587
.,1577 AE D1 2F LDX $2FD1
.,157A E0 28 CPX #$28
.,157C F0 03 BEQ $1581
.,157E EE D1 2F INC $2FD1
.,1581 20 73 18 JSR $1873
.,1584 4C F8 13 JMP $13F8

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.,1587	C9	9D	CMP	#9D			
.,1589	D0	10	BNE	#159B			
.,158B	AE	D1	2F	LDX	#2FD1		
.,158E	E0	01	CPX	#01			
.,1590	F0	03	BEQ	#1595			
.,1592	CE	D1	2F	DEC	#2FD1		
.,1595	20	73	18	JSR	#1873		
.,1598	4C	F8	13	JMP	#13F8		
.,159B	C9	14	CMP	#14			
.,159D	D0	2D	BNE	#15CC			
.,159F	AE	D1	2F	LDX	#2FD1		
.,15A2	E0	01	CPX	#01			
.,15A4	D0	03	BNE	#15A9			
.,15A6	4C	4D	14	JMP	#144D		
.,15A9	AC	D1	2F	LDY	#2FD1		
.,15AC	88		DEY				
.,15AD	B1	5E	LDA	(#5E),Y			
.,15AF	88		DEY				
.,15B0	91	5E	STA	(#5E),Y			
.,15B2	C8		INY				
.,15B3	C8		INY				
.,15B4	C0	28	CPY	#28			
.,15B6	D0	F5	BNE	#15AD			
.,15B8	A0	27	LDY	#27			
.,15BA	A9	20	LDA	#20			
.,15BC	91	5E	STA	(#5E),Y			
.,15BE	CE	D1	2F	DEC	#2FD1		
.,15C1	A2	01	LDX	#01			
.,15C3	8E	D9	2F	STX	#2FD9		
.,15C6	20	73	18	JSR	#1873		
.,15C9	4C	F8	13	JMP	#13F8		
.,15CC	C9	94	CMP	#94			
.,15CE	D0	1E	BNE	#15EE			
.,15D0	A0	27	LDY	#27			
.,15D2	B1	5E	LDA	(#5E),Y			
.,15D4	C9	20	CMP	#20			
.,15D6	D0	E9	BNE	#15C1			
.,15D8	48		PHA				
.,15D9	88		DEY				
.,15DA	B1	5E	LDA	(#5E),Y			
.,15DC	C8		INY				
.,15DD	91	5E	STA	(#5E),Y			
.,15DF	88		DEY				
.,15E0	CC	D1	2F	CPY	#2FD1		
.,15E3	30	03	BMI	#15E8			
.,15E5	88		DEY				
.,15E6	10	F2	BPL	#15DA			
.,15E8	68		PLA				
.,15E9	91	5E	STA	(#5E),Y			
.,15EB	4C	C1	15	JMP	#15C1		
.,15EE	C9	0D	CMP	#0D			
.,15F0	D0	31	BNE	#1623			
.,15F2	A9	01	LDA	#01			
.,15F4	8D	DC	2F	STA	#2FDC		
.,15F7	20	50	08	JSR	#0850		
.,15FA	20	46	0E	JSR	#0E46		
.,15FD	A2	02	LDX	#02			
.,15FF	8E	D1	2F	STX	#2FD1		
.,1602	AE	D2	2F	LDX	#2FD2		
.,1605	E0	14	CPX	#14			
.,1607	F0	05	BEQ	#160E			
.,1609	EE	D2	2F	INC	#2FD2		
.,160C	D0	09	BNE	#1617			
.,160E	20	7F	12	JSR	#127F		
.,1611	20	35	0A	JSR	#0A35		
.,1614	20	8A	12	JSR	#128A		
.,1617	20	E1	08	JSR	#08E1		
.,161A	20	6F	0B	JSR	#0B6F		
.,161D	20	97	18	JSR	#1897		
.,1620	4C	F2	13	JMP	#13F2		
.,1623	C9	20	CMP	#20			
.,1625	D0	21	BNE	#1648			
.,1627	AE	D1	2F	LDX	#2FD1		
.,162A	E0	03	CPX	#03			
.,162C	B0	1A	BOS	#1648			
.,162E	A0	01	LDY	#01			
.,1630	B1	5E	LDA	(#5E),Y			
.,1632	C9	20	CMP	#20			
.,1634	D0	10	BNE	#1646			
.,1636	88		DEY				
.,1637	B1	5E	LDA	(#5E),Y			
.,1639	C9	3B	CMP	#3B			
.,163B	F0	09	BEQ	#1646			
.,163D	AD	52	09	LDA	#0952		
.,1640	8D	D1	2F	STA	#2FD1		
.,1643	4C	EF	13	JMP	#13EF		
.,1646	A9	20	LDA	#20			
.,1648	C9	5F	CMP	#5F			
.,164A	D0	34	BNE	#1680			
.,164C	AE	8D	02	LDX	#028D		
.,164F	F0	1A	BEQ	#166B			
.,1651	A0	27	LDY	#27			
.,1653	B1	5E	LDA	(#5E),Y			
.,1655	C9	20	CMP	#20			
.,1657	D0	03	BNE	#165C			
.,1659	88		DEY				
.,165A	D0	F7	BNE	#1653			
.,165E	C0	27	CPY	#27			
.,165E	F0	01	BEQ	#1661			
.,1660	C8		INY				
.,1661	C8		INY				
.,1662	8C	D1	2F	STY	#2FD1		
.,1665	20	73	18	JSR	#1873		
.,1668	4C	F8	13	JMP	#13F8		
.,166B	A2	01	LDX	#01			
.,166D	8E	D1	2F	STX	#2FD1		
.,1670	8E	DC	2F	STX	#2FDC		
.,1673	20	50	08	JSR	#0850		
.,1676	CA		DEX				
.,1677	8E	D9	2F	STX	#2FD9		
.,167A	20	73	18	JSR	#1873		
.,167D	4C	F2	13	JMP	#13F2		
.,1680	AE	DC	2F	LDX	#2FDC		
.,1683	F0	16	BEQ	#169B			
.,1685	C9	20	CMP	#20			
.,1687	B0	05	BOS	#169E			
.,1689	69	80	ADC	#80			
.,168D	4C	BC	16	JMP	#16BC		
.,168E	C9	80	CMP	#80			
.,1690	30	09	BMI	#169B			
.,1692	C9	A0	CMP	#A0			
.,1694	10	05	BPL	#169B			
.,1696	69	40	ADD	#40			


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.,1698 4C BC 16 JMP #16BC
.,169B C9 20 CMP #20
.,169D 90 1A BCC #16B9
.,169F C9 41 CMP #41
.,16A1 90 19 BCC #16BC
.,16A3 C9 60 CMP #60
.,16A5 B0 05 BCS #16AC
.,16A7 E9 3F SBC #3F
.,16A9 4C BC 16 JMP #16BC
.,16AC C9 C0 CMP #C0
.,16AE 90 09 BCC #16B9
.,16B0 C9 DF CMP #DF
.,16B2 B0 05 BCS #16B9
.,16B4 E9 7F SBC #7F
.,16B6 4C BE 16 JMP #16BC
.,16B9 4C FB 13 JMP #13FB
.,16BC AC D1 2F LDY #2FD1
.,16BF 8B DEY
.,16C0 B0 28 CPY #28
.,16C2 F0 F5 BEQ #16B9
.,16C4 91 5E STA (#5E),Y
.,16C6 C0 27 CPY #27
.,16C8 F0 03 BEQ #16CD
.,16CA EE D1 2F INC #2FD1
.,16CD A2 01 LDX #01
.,16CF 8E D9 2F STX #2ED9
.,16D2 20 73 1B JSR #1873
.,16D5 4C FB 13 JMP #13FB
.,16D8 20 44 0E JSR #0E44
.,16DB A5 CB LDA #CB
.,16DD AE 8D 02 LDX #028D
.,16E0 A0 00 LDY #00
.,16E2 84 C6 STY #C6
.,16E4 C9 12 CMP #12
.,16E6 D0 06 BNE #16EE
.,16E8 20 95 10 JSR #1095
.,16EB 4C F2 13 JMP #13F2
.,16EE C9 27 CMP #27
.,16F0 D0 06 BNE #16FB
.,16F2 20 AF 0D JSR #0DAF
.,16F5 4C F2 13 JMP #13F2
.,16FB C9 24 CMP #24
.,16FA D0 06 BNE #1702
.,16FC 20 B3 0F JSR #0FB3
.,16FF 4C F2 13 JMP #13F2
.,1702 C9 2A CMP #2A
.,1704 D0 06 BNE #170C
.,1706 20 9B 0B JSR #0B9B
.,1709 4C 1E 13 JMP #131E
.,170C C9 0D CMP #0D
.,170E D0 06 BNE #1716
.,1710 20 76 0C JSR #0C76
.,1713 4C F2 13 JMP #13F2
.,1716 C9 14 CMP #14
.,1718 D0 07 BNE #1721
.,171A E0 06 CPX #06
.,171C D0 03 BNE #1721
.,171E 4C 24 0E JMP #0E24
.,1721 C9 3E CMP #3E
.,1723 D0 19 BNE #173E
.,1725 A9 A9 LDA #A9

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.,1727 A0 2E LDY #2E
.,1729 20 1E AB JSR #AB1E
.,172C A9 00 LDA #00
.,172E 8D 15 D0 STA #D015
.,1731 7B SEI
.,1732 A9 31 LDA #31
.,1734 A0 EA LDY #EA
.,1736 8D 14 03 STA #0314
.,1739 8C 15 03 STY #0315
.,173C 59 CLI
.,173D 60 RTS
.,173E C9 33 CMP #33
.,1740 D0 3D BNE #177F
.,1742 E0 05 CPX #05
.,1744 D0 12 ENE #175B
.,1746 20 4F 17 JSR #174F
.,1749 20 3C 1C JSR #1C3C
.,174C 4C B1 13 JMP #13B1
.,174F AD D5 2F LDA #2FD5
.,1752 AE D6 2F LDX #2FD6
.,1755 4C 6A 1C JMP #1C6A
.,1758 AC D2 2F LDY #2FD2
.,175B C0 02 CPY #02
.,175D 10 03 BPL #1762
.,175F 4C 1E 13 JMP #131E
.,1762 CE D2 2F DEC #2FD2
.,1765 20 D2 0B JSR #0BD2
.,1768 AE D2 2F LDX #2FD2
.,176B E0 02 CPX #02
.,176D 10 F3 BPL #1762
.,176F A2 01 LDX #01
.,1771 BE D1 2F STX #2FD1
.,1774 A2 32 LDX #32
.,1776 20 EA 0B JSR #0BEA
.,1779 20 97 1B JSR #1B97
.,177C 4C F2 13 JMP #13F2
.,177F C9 00 CMP #00
.,1781 D0 4A BNE #17CD
.,1783 AE 8D 02 LDX #028D
.,1786 E0 04 CPX #04
.,1788 F0 06 BEQ #1790
.,178A 20 6F 0B JSR #0B6F
.,178D 4C BC 17 JMP #17BC
.,1790 AE D2 2F LDX #2FD2
.,1793 E0 02 CPX #02
.,1795 10 03 BPL #179A
.,1797 4C 4D 14 JMP #144D
.,179A 20 AB 0B JSR #0BAB
.,179D A5 28 LDA #28
.,179F 85 FB STA #FB
.,17A1 A5 29 LDA #29
.,17A3 85 FC STA #FC
.,17A5 20 19 0A JSR #0A19
.,17A8 8D 1E 32 STA #321E
.,17AB A5 FD LDA #FD
.,17AD 85 28 STA #28
.,17AF A5 FC LDA #FC
.,17D1 85 29 STA #29
.,17D3 20 F6 09 JSR #09F6
.,17D6 CE D2 2F DEC #2FD2
.,17D9 20 D2 0B JSR #0BD2

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.,18E9 B1 5C	LDA (#5C),Y	.,1967 D0 03	BNE #196C
.,18EB 09 80	ORA #80	.,1969 4C F2 16	JMP #16F2
.,18ED 91 5C	STA (#5C),Y	.,196C E0 05	CPX #05
.,18EF 88	DEY	.,196E D0 06	BNE #1976
.,18F0 D0 F7	BNE #18E9	.,1970 20 CB 0D	JSR #0DCB
.,18F2 60	RTS	.,1973 4C F2 13	JMP #13F2
.,18F3 A4 25	LDY #25	.,1976 E0 06	CPX #06
.,18F5 B1 5C	LDA (#5C),Y	.,1978 D0 03	BNE #197D
.,18F7 29 7F	AND #7F	.,197A 4C D1 17	JMP #17D1
.,18F9 91 5C	STA (#5C),Y	.,197D E0 07	CPX #07
.,18FB 88	DEY	.,197F D0 03	BNE #1984
.,18FC D0 F7	BNE #18F5	.,1981 4C EB 16	JMP #16EB
.,18FE 60	RTS	.,1984 4C F2 13	JMP #13F2
.,18FF A2 01	LDX #01	.,1987 A9 1F	LDA #1F
.,1901 B6 5A	STX #5A	.,1989 A0 06	LDY #06
.,1903 E6 26	INC #26	.,198B 85 25	STA #25
.,1905 A9 55	LDA #55	.,198D 84 26	STY #26
.,1907 BD 01 D0	STA #D001	.,198F A9 7B	LDA #7B
.,190A 20 CF 1B	JSR #18CF	.,1991 A0 04	LDY #04
.,190D AD 01 D0	LDA #D001	.,1993 85 5D	STA #5D
.,1910 4A	LSR	.,1995 84 5E	STY #5E
.,1911 4A	LSR	.,1997 A9 B6	LDA #B6
.,1912 4A	LSR	.,1999 A0 2A	LDY #2A
.,1913 E9 09	SBC #09	.,199B 85 22	STA #22
.,1915 B5 5B	STA #5B	.,199D 84 23	STY #23
.,1917 C5 5A	CMF #5A	.,199F 20 05 0B	JSR #0B05
.,1919 F0 0A	BEQ #1925	.,19A2 AD 00 DC	LDA #DC00
.,191B 20 F3 1B	JSR #18F3	.,19A5 C9 6F	CMF #6F
.,191E A5 5B	LDA #5B	.,19A7 F0 F9	BEQ #19A2
.,1920 B5 5A	STA #5A	.,19A9 4C B1 13	JMP #13B1
.,1922 4C 0A 19	JMP #190A	.,19AC A9 0F	LDA #0F
.,1925 AD 00 DC	LDA #DC00	.,19AE A0 05	LDY #05
.,1928 C9 70	CMF #70	.,19B0 85 25	STA #25
.,192A 30 E1	BMI #190D	.,19B2 84 26	STY #26
.,192C A6 5A	LDX #5A	.,19B4 A9 89	LDA #89
.,192E 60	RTS	.,19B6 A0 04	LDY #04
.,192F A9 11	LDA #11	.,19B8 85 5D	STA #5D
.,1931 A0 07	LDY #07	.,19BA 84 5E	STY #5E
.,1933 B5 25	STA #25	.,19BC A9 7F	LDA #7F
.,1935 84 26	STY #26	.,19BE A0 2B	LDY #2B
.,1937 A9 7D	LDA #7D	.,19C0 85 22	STA #22
.,1939 A0 04	LDY #04	.,19C2 84 23	STY #23
.,193B 85 5D	STA #5D	.,19C4 20 05 0B	JSR #0B05
.,193D 84 5E	STY #5E	.,19C7 20 FF 1B	JSR #1BFF
.,193F A9 4E	LDA #4E	.,19CA E0 01	CPX #01
.,1941 A0 2A	LDY #2A	.,19CC D0 03	BNE #19D1
.,1943 85 22	STA #22	.,19CE 4C EF 17	JMP #17EF
.,1945 84 23	STY #23	.,19D1 E0 02	CPX #02
.,1947 20 05 0B	JSR #0B05	.,19D3 D0 03	BNE #19D8
.,194A 20 FF 1B	JSR #1BFF	.,19D5 4C FF 17	JMP #17FF
.,194D E0 01	CPX #01	.,19DB E0 03	CPX #03
.,194F D0 03	BNE #1954	.,19DA D0 09	BNE #19E5
.,1951 4C 06 17	JMP #1706	.,19DC 20 B1 1D	JSR #1DB1
.,1954 E0 02	CPX #02	.,19DF 20 36 0B	JSR #0B36
.,1956 D0 06	BNE #195E	.,19E2 4C B1 13	JMP #13B1
.,195B 20 2C 0D	JSR #0D2C	.,19E5 E0 04	CPX #04
.,195D 4C 1E 13	JMP #131E	.,19E7 D0 0C	BNE #19F5
.,195E E0 03	CPX #03	.,19E9 20 BD 0D	JSR #0DBD
.,1960 D0 03	BNE #1965	.,19EC 20 B4 1D	JSR #1DB4
.,1962 4C 10 17	JMP #1710	.,19EF 20 A3 0D	JSR #0DA3
.,1965 E0 04	CPX #04	.,19F2 4C 1E 13	JMP #131E

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.,19F5 E0 05    CPX #05
.,19F7 D0 09    BNE #1A02
.,19F9 20 8D 0D JSR #0D8D
.,19FC 20 81 1D JSR #1DB1
.,19FF 20 A3 0D JSR #0DA3
.,1A02 4C 1E 13 JMP #131E
.,1A05 A9 12    LDA #12
.,1A07 A0 12    LDY #12
.,1A09 B5 25    STA #25
.,1A0B B4 26    STY #26
.,1A0D A9 8D    LDA #8D
.,1A0F A0 04    LDY #04
.,1A11 B5 5D    STA #5D
.,1A13 B4 5E    STY #5E
.,1A15 A9 C6    LDA #C6
.,1A17 A0 2B    LDY #2B
.,1A19 B5 22    STA #22
.,1A1B B4 23    STY #23
.,1A1D 20 05 0B JSR #0B05
.,1A20 A2 04    LDX #04
.,1A22 A0 19    LDY #19
.,1A24 20 0C E5 JSR #E50C
.,1A27 A5 25    LDA #25
.,1A29 4B      PHA
.,1A2A AE 17 32 LDX #3217
.,1A2D F0 1E    BEQ #1A4D
.,1A2F AE 1B 32 LDX #321B
.,1A32 AD 19 32 LDA #3219
.,1A35 20 CD BD JSR #BDCD
.,1A38 AE 1A 32 LDX #321A
.,1A3B F0 10    BEQ #1A4D
.,1A3D A2 04    LDX #04
.,1A3F A0 22    LDY #22
.,1A41 20 0C E5 JSR #E50C
.,1A44 AE 1B 32 LDX #321B
.,1A47 AD 1C 32 LDA #321C
.,1A4A 20 CD BD JSR #BDCD
.,1A4D 4B      PLA
.,1A4E B5 25    STA #25
.,1A50 20 FF 1B JSR #1BFF
.,1A53 B4 03    STX #03
.,1A55 20 AB 0B JSR #0BAB
.,1A58 A5 03    LDA #03
.,1A5A C9 01    CMP #01
.,1A5C D0 14    BNE #1A72
.,1A5E 8D 17 32 STA #3217
.,1A61 8D 1A 32 STA #321A
.,1A64 8D 1B 32 STA #321B
.,1A67 A9 00    LDA #00
.,1A69 8D 19 32 STA #3219
.,1A6C 20 FD 20 JSR #20FD
.,1A6F 4C B1 13 JMP #13B1
.,1A72 C9 02    CMP #02
.,1A74 D0 03    BNE #1A79
.,1A76 4C E9 20 JMP #20E9
.,1A79 C9 03    CMP #03
.,1A7B D0 03    BNE #1A80
.,1A7D 4C B9 1E JMP #1EB9
.,1A80 C9 04    CMP #04
.,1A82 D0 03    BNE #1A87
.,1A84 4C D0 1E JMP #1ED0
.,1A87 C9 05    CMP #05

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.,1A89 D0 03    BNE #1A8E
.,1A8B 4C 0A 21 JMP #210A
.,1A8E C9 06    CMP #06
.,1A90 D0 03    BNE #1A95
.,1A92 4C 93 20 JMP #2093
.,1A95 C9 07    CMP #07
.,1A97 D0 06    BNE #1A9F
.,1A99 20 B3 1C JSR #1CB3
.,1A9C 4C B1 13 JMP #13B1
.,1A9F C9 08    CMP #08
.,1AA1 D0 03    BNE #1AA6
.,1AA3 4C B0 21 JMP #21B0
.,1AA6 C9 0B    CMP #0B
.,1AA8 D0 06    BNE #1AB0
.,1AAA 20 E7 0D JSR #0DE7
.,1AAD 4C F2 13 JMP #13F2
.,1AB0 C9 0D    CMP #0D
.,1AB2 D0 03    BNE #1AB7
.,1AB4 4C 7B 1F JMP #1F7B
.,1AB7 C9 0C    CMP #0C
.,1AB9 D0 03    BNE #1ABE
.,1ABB 4C 5D 20 JMP #205D
.,1ABE C9 0E    CMP #0E
.,1AC0 D0 03    BNE #1AC5
.,1AC2 4C 64 1F JMP #1F64
.,1AC5 C9 0F    CMP #0F
.,1AC7 D0 03    BNE #1ACC
.,1AC9 4C BD 1F JMP #1FBD
.,1ACC C9 09    CMP #09
.,1ACE D0 03    BNE #1AD3
.,1AD0 4C EA 22 JMP #22EA
.,1AD3 C9 0A    CMP #0A
.,1AD5 D0 03    BNE #1ADA
.,1AD7 4C C4 22 JMP #22C4
.,1ADA C9 10    CMP #10
.,1ADC D0 06    BNE #1AE4
.,1ADE 20 8B 1F JSR #1F8B
.,1AE1 4C 1E 13 JMP #131E
.,1AE4 C9 11    CMP #11
.,1AE6 D0 03    BNE #1AEB
.,1AEB 4C 24 0E JMP #0E24
.,1AED C9 12    CMP #12
.,1AED D0 03    BNE #1AF2
.,1AEF 4C 25 17 JMP #1725
.,1AF2 4C F2 13 JMP #13F2
.,1AF5 A9 12    LDA #12
.,1AF7 A0 04    LDY #04
.,1AF9 B5 25    STA #25
.,1AFB B4 26    STY #26
.,1AFD A9 1A    LDA #1A
.,1AFF A0 04    LDY #04
.,1B01 B5 5D    STA #5D
.,1B03 B4 5E    STY #5E
.,1B05 A9 09    LDA #09
.,1B07 A0 2D    LDY #2D
.,1B09 B5 22    STA #22
.,1B0B B4 23    STY #23
.,1B0D 20 05 0B JSR #0B05
.,1B10 20 FF 1B JSR #1BFF
.,1B13 E0 01    CPX #01
.,1B15 D0 06    BNE #1B1D

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.,1B17	20	96	1C	JSR	#1C96	.,1BAD	8E	E9	2F	STX	#2FE9
.,1B1A	4C	B1	13	JMP	#13B1	.,1BBD	8C	EA	2F	STY	#2FEA
.,1B1D	E0	02		CPX	#02	.,1BB3	4C	1E	13	JMP	#131E
.,1B1F	D0	06		BNE	#1B27	.,1BB6	D9	02		CMP	#02
.,1B21	20	40	24	JSR	#2440	.,1BB9	D0	09		BNE	#1BC3
.,1B24	4C	1E	13	JMP	#131E	.,1BDA	8E	EB	2F	STX	#2FEB
.,1B27	E0	03		CPX	#03	.,1BDD	8C	EC	2F	STY	#2FEC
.,1B29	D0	06		BNE	#1B31	.,1BDC	4C	B1	13	JMP	#13B1
.,1B2B	20	B3	0F	JSR	#0FB3	.,1BC3	C9	03		CMP	#03
.,1B2E	4C	F2	13	JMP	#13F2	.,1BC5	D0	05		BNE	#1BCC
.,1B31	E0	04		CPX	#04	.,1BC7	8E	52	09	STX	#0952
.,1B33	D0	06		BNE	#1B3B	.,1BCA	10	03		BFL	#1BCF
.,1B35	20	42	27	JSR	#2742	.,1BCC	8E	ED	2F	STX	#2FED
.,1B38	4C	1E	13	JMP	#131E	.,1BCF	4C	F2	13	JMP	#13F2
.,1B3B	4C	F2	13	JMP	#13F2	.,1BD2	A2	F6		LDX	#F6
.,1B3E	A9	14		LDA	#14	.,1BD4	9A			TXS	
.,1B40	A0	04		LDY	#04	.,1BD5	AA			TAX	
.,1B42	85	25		STA	#25	.,1BD6	AD	DA	2F	LDA	#2FDA
.,1B44	84	26		STY	#26	.,1BD7	D0	5B		BNE	#1C33
.,1B46	A9	81		LDA	#81	.,1BDB	A9	DC		LDA	#1DC
.,1B48	A0	04		LDY	#04	.,1BDD	A0	27		LDY	#27
.,1B4A	85	5D		STA	#5D	.,1BDF	85	FE		STA	#FB
.,1B4C	84	5E		STY	#5E	.,1BE1	84	FC		STY	#FC
.,1B4E	A9	4E		LDA	#4E	.,1BE3	A0	00		LDY	#00
.,1B50	A0	2D		LDY	#2D	.,1BE5	86	B3		STX	#B3
.,1B52	85	22		STA	#22	.,1BE7	E0	00		CPX	#00
.,1B54	84	23		STY	#23	.,1BE9	F0	15		BEQ	#1C00
.,1B56	20	05	0B	JSR	#0B05	.,1BEB	B1	FE		LDA	(#FB),Y
.,1B59	A2	04		LDX	#04	.,1BED	C9	21		CMP	#21
.,1B5B	A0	18		LDY	#18	.,1BEF	F0	07		BEQ	#1BFB
.,1B5D	20	0C	E5	JSR	#E50C	.,1BF1	CB			INY	
.,1B60	AE	E9	2F	LDX	#2FE9	.,1BF2	D0	F7		BNE	#1BED
.,1B63	AD	EA	2F	LDA	#2FEA	.,1BF4	E6	FC		INC	#FC
.,1B66	20	3E	11	JSR	#113E	.,1BF6	D0	F3		BNE	#1BEE
.,1B69	A2	05		LDX	#05	.,1BFB	CB			INY	
.,1B6B	A0	18		LDY	#18	.,1BF9	D0	02		BNE	#1BFD
.,1B6D	20	0C	E5	JSR	#E50C	.,1BFB	E6	FC		INC	#FC
.,1B70	AE	EB	2F	LDX	#2FEB	.,1BFD	CA			DEX	
.,1B73	AD	EC	2F	LDA	#2FEC	.,1BFE	D0	EB		BNE	#1BED
.,1B76	20	3E	11	JSR	#113E	.,1C00	9B			TYA	
.,1B79	A2	06		LDX	#06	.,1C01	4B			PHA	
.,1B7B	A0	19		LDY	#19	.,1C02	20	4E	0A	JSR	#0A4E
.,1B7D	20	0C	E5	JSR	#E50C	.,1C05	EE	0E	DC	INC	#DC0E
.,1B80	AD	52	09	LDA	#0952	.,1C08	20	CC	FF	JSR	#FFCC
.,1B83	20	51	11	JSR	#1151	.,1C0B	A9	02		LDA	#02
.,1B86	A2	07		LDX	#07	.,1C0D	20	C3	FF	JSR	#FFC3
.,1B8B	A0	19		LDY	#19	.,1C10	A9	0F		LDA	#0F
.,1B8A	20	0C	E5	JSR	#E50C	.,1C12	20	C3	FF	JSR	#FFC3
.,1B8D	AD	ED	2F	LDA	#2FED	.,1C15	6B			PLA	
.,1B90	20	51	11	JSR	#1151	.,1C16	AB			TAY	
.,1B93	20	FF	18	JSR	#18FF	.,1C17	B1	FB		LDA	(#FB),Y
.,1B96	E0	05		CPX	#05	.,1C19	20	16	E7	JSR	#E716
.,1B98	D0	35		BCS	#1BCF	.,1C1C	CB			INY	
.,1B9A	8E	DD	2F	STX	#2FDD	.,1C1D	D0	02		BNE	#1C21
.,1B9D	20	02	27	JSR	#2702	.,1C1F	E6	FC		INC	#FC
.,1BA0	D0	2D		BCS	#1BEF	.,1C21	C9	21		CMP	#21
.,1BA2	AD	DD	2F	LDA	#2FDD	.,1C23	D0	F2		BNE	#1C17
.,1BA5	A6	F7		LDX	#F7	.,1C25	A6	B3		LDX	#B3
.,1BA7	A4	F8		LDY	#F8	.,1C27	F0	07		BEQ	#1C30
.,1BA9	C9	01		CMP	#01	.,1C29	A5	9E		LDA	#9E
.,1BAB	D0	09		BNE	#1BB6	.,1C2D	A6	9F		LDX	#9F

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..1C2D 20 3C 1C JSR #1C3C
..1C30 20 36 1C JSR #1C36
..1C37 4C B1 13 JMP #13B1
..1C38 20 19 11 JSR #1119
..1C39 4C 36 08 JMP #0836
..1C3C 85 FD STA #FD
..1C3E 86 FE STX #FE
..1C40 20 C7 27 JSR #27C7
..1C43 A2 01 LDX #01
..1C45 8E D1 2F STX #2FD1
..1C48 8E D2 2F STX #2FD2
..1C4B 8E D3 2F STX #2FD3
..1C4E CA DEX
..1C4F 8E D4 2F STX #2FD4
..1C52 A6 FB LDX #FB
..1C54 64 FC LDY #FC
..1C56 C4 FE CPY #FE
..1C5B D0 04 BNE #1C5E
..1C5A E4 FD CPX #FD
..1C5C F0 09 BEQ #1C67
..1C5E 20 35 0A JSR #0A35
..1C61 20 E1 08 JSR #08E1
..1C64 4C 52 1C JMP #1C52
..1C67 4C 8A 12 JMP #128A
..1C6A 85 5E STA #5E
..1C6C 86 5F STX #5F
..1C6E 20 C7 27 JSR #27C7
..1C71 A2 01 LDX #01
..1C73 8E D3 2F STX #2FD3
..1C76 CA DEX
..1C77 8E D4 2F STX #2FD4
..1C7A AE D3 2F LDX #2FD3
..1C7D AC D4 2F LDY #2FD4
..1C80 C4 5F CPY #5F
..1C82 D0 04 BNE #1C88
..1C84 E4 5E CPX #5E
..1C86 F0 09 BEQ #1C91
..1C88 20 35 0A JSR #0A35
..1C8B 20 E1 08 JSR #08E1
..1C8E 4C 7A 1C JMP #1C7A
..1C91 A5 FB LDA #FB
..1C93 A6 FC LDX #FC
..1C95 60 RTS
..1C96 20 6E 0F JSR #0F6E
..1C99 90 01 BCC #1C9C
..1C9B 60 RTS
..1C9C 20 8D 0D JSR #0D8D
..1C9F 20 4F 17 JSR #174F
..1CA2 85 F7 STA #F7
..1CA4 86 FB STX #FB
..1CA6 A9 01 LDA #01
..1CAB A2 00 LDX #00
..1CAA 20 6A 1C JSR #1C6A
..1CAD 20 DC 1C JSR #1CDC
..1CB0 4C A3 0D JMP #0DA3
..1CB3 20 8D 0D JSR #0D8D
..1CB6 AC 1A 32 LDY #321A
..1CB9 F0 1E BEQ #1CD9
..1CBB AC 1E 32 LDY #321B
..1CBE AE 1C 32 LDX #321C
..1CC1 CB INV
..1CC2 D0 01 BNE #1CC5

Fehlerkanal lesen
rausgeben
ASTEN

..1CC4 E8 INX
..1CC5 98 TYA
..1CC6 20 6A 1C JSR #1C6A
..1CC9 85 F7 STA #F7
..1CCB 86 FB STX #FB
..1CCD AD 18 32 LDA #3218
..1CD0 AE 19 32 LDX #3219
..1CD3 20 6A 1C JSR #1C6A
..1CD6 20 DC 1C JSR #1CDC
..1CD9 4C A3 0D JMP #0DA3
..1CDC A5 FB LDA #FB
..1CDE A6 FC LDX #FC
..1CE0 E4 FB CPX #FB
..1CE2 D0 04 BNE #1CE8
..1CE4 C5 F7 CMP #F7
..1CE6 F0 13 BEQ #1CEB
..1CE8 20 FC 1C JSR #1CEC
..1CEB 20 D7 27 JSR #27D7
..1CEE 20 35 0A JSR #0A35
..1CF1 20 E4 FF JSR #FFEE4
..1CF4 C9 03 CMP #03
..1CF6 F0 03 BEQ #1CFB
..1CF8 4C DC 1C JMP #1CDC
..1CFB 60 RTS
..1CFC A6 FB LDX #FB
..1CFE A5 FC LDA #FC
..1D00 20 3E 11 JSR #113E
..1D03 20 D2 27 JSR #27D2
..1D06 20 D2 FF JSR #FFD2
..1D09 A0 02 LDY #02
..1D0B 20 48 0A JSR #0A48
..1D0E B1 FB LDA (#FB),Y
..1D10 20 4E 0A JSR #0A4E
..1D13 C9 55 CMP #55
..1D15 F0 30 BEQ #1D47
..1D17 A0 11 LDY #11
..1D19 85 5F STA #5F
..1D1B C9 48 CMP #48
..1D1D 90 02 BCC #1D21
..1D1F A0 03 LDY #03
..1D21 A9 20 LDA #20
..1D23 20 D2 FF JSR #FFD2
..1D26 88 DEY
..1D27 10 FA BPL #1D23
..1D29 A0 02 LDY #02
..1D2B 18 CLC
..1D2C A5 5F LDA #5F
..1D2E 65 5F ADC #5F
..1D30 65 5F ADC #5F
..1D32 85 02 STA #02
..1D34 A6 02 LDX #02
..1D36 BD 62 32 LDA #3262,X
..1D39 20 6A 1D JSR #1D6A
..1D3E E6 02 INC #02
..1D3E 20 D2 FF JSR #FFD2
..1D41 88 DEY
..1D42 10 F0 BPL #1D34
..1D44 20 D2 27 JSR #27D2
..1D47 A0 03 LDY #03
..1D49 84 02 STY #02
..1D4B 20 48 0A JSR #0A48

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.,1D4E A4 02	LDY #02	.,1DD1 20 CD BD	JSR \$BDCD
.,1D50 B1 FB	LDA (\$FB),Y	.,1DD4 A9 0D	LDA #10D
.,1D52 20 4E 0A	JSR \$0A4E	.,1DD6 4C D2 FF	JMP \$FFD2
.,1D55 C9 FF	CMF #1FF	.,1DD9 E6 B1	INC #B1
.,1D57 F0 0A	BEQ #1D63	.,1DDE D0 02	BNE #1DDF
.,1D59 20 64 1D	JSR #1D64	.,1DDD E6 B2	INC #B2
.,1D5C 20 D2 FF	JSR \$FFD2	.,1DDF 48	PHA
.,1D5F E6 02	INC #02	.,1DE0 29 E0	AND #1E0
.,1D61 D0 E8	BNE #1D4B	.,1DE2 85 5F	STA #5F
.,1D63 60	RTS	.,1DE4 68	PLA
.,1D64 C9 20	CMF #120	.,1DE5 29 1F	AND #1F
.,1D66 B0 03	BCS #1D6B	.,1DE7 85 5A	STA #5A
.,1D68 69 40	ADC #40	.,1DE9 C8	INY
.,1D6A 60	RTS	.,1DEA B1 FB	LDA (\$FB),Y
.,1D6B C9 80	CMF #180	.,1DEC 85 5B	STA #5B
.,1D6D 90 07	BCC #1D76	.,1DEE C8	INY
.,1D6F C9 A0	CMF #1A0	.,1DEF B1 FB	LDA (\$FB),Y
.,1D71 B0 03	BCS #1D76	.,1DF1 85 5C	STA #5C
.,1D73 E9 3F	SBC #13F	.,1DF3 C8	INY
.,1D75 60	RTS	.,1DF4 B1 FB	LDA (\$FB),Y
.,1D76 C9 40	CMF #140	.,1DF6 85 B4	STA #B4
.,1D78 90 06	BCC #1D80	.,1DF8 C8	INY
.,1D7A C9 61	CMF #161	.,1DF9 B1 FB	LDA (\$FB),Y
.,1D7C B0 02	BCS #1D80	.,1DFB 85 B5	STA #B5
.,1D7E 69 80	ADC #180	.,1DFD C8	INY
.,1D80 60	RTS	.,1DFE B1 FB	LDA (\$FB),Y
.,1D81 A7 01	LDA #101	.,1E00 85 5D	STA #5D
.,1D83 2C A7 00	BIT #00A7	.,1E02 A0 00	LDY #100
.,1D86 85 03	STA #03	.,1E04 A6 03	LDX #03
.,1D88 20 44 E5	JSR #E544	.,1E06 F0 15	BEQ #1E1D
.,1D8B A7 ED	LDA #1ED	.,1E08 B1 5B	LDA (\$5B),Y
.,1D8D A0 29	LDY #129	.,1E0A C9 1E	CMF #11E
.,1D8F 20 1E AB	JSR \$AB1E	.,1E0C F0 0F	BEQ #1E1D
.,1D92 A9 00	LDA #100	.,1E0E 20 4E 0A	JSR \$0A4E
.,1D94 85 B0	STA #B0	.,1E11 20 AC 1E	JSR #1EAC
.,1D96 85 B1	STA #B1	.,1E14 A5 CB	LDA #CB
.,1D98 85 B2	STA #B2	.,1E16 C9 40	CMF #140
.,1D9A AD 8C 08	LDA \$088C	.,1E18 D0 FA	BNE #1E14
.,1D9D AC BD 08	LDY \$088D	.,1E1A 4C AA 1D	JMP #1DAA
.,1DA0 18	CLC	.,1E1D B1 5B	LDA (\$5B),Y
.,1DA1 69 0A	ADC #10A	.,1E1F 20 4E 0A	JSR \$0A4E
.,1DA3 90 01	BCC #1DA6	.,1E22 C9 20	CMF #120
.,1DA5 C8	INY	.,1E24 B0 02	BCS #1E2B
.,1DA6 85 FB	STA #FB	.,1E26 09 40	ORA #140
.,1DA8 84 FC	STY #FC	.,1E28 20 D2 FF	JSR \$FFD2
.,1DAA 20 48 0A	JSR \$0A48	.,1E2B 20 48 0A	JSR \$0A48
.,1DAD A0 00	LDY #100	.,1E2E C8	INY
.,1DAF B1 FB	LDA (\$FB),Y	.,1E2F C0 12	CPY #112
.,1DB1 D0 26	BNE #1DD9	.,1E31 F0 04	BEQ #1E37
.,1DB3 B4 C6	STY #C6	.,1E33 C4 5A	CPY #5A
.,1DB5 20 4E 0A	JSR \$0A4E	.,1E35 30 E6	BMI #1E1D
.,1DB8 A9 47	LDA #147	.,1E37 20 4E 0A	JSR \$0A4E
.,1DBA A0 2A	LDY #12A	.,1E3A A9 2E	LDA #12E
.,1DBC 20 1E AB	JSR \$AB1E	.,1E3C D0 12	CPY #112
.,1DBF A9 00	LDA #100	.,1E3E F0 06	BEQ #1E46
.,1DC1 A6 B0	LDX #B0	.,1E40 20 D2 FF	JSR \$FFD2
.,1DC3 20 CD BD	JSR \$BDCD	.,1E43 C8	INY
.,1DC6 A9 53	LDA #153	.,1E44 D0 F6	BNE #1E3C
.,1DC8 A0 2A	LDY #12A	.,1E46 20 42 11	JSR #1142
.,1DCA 20 1E AB	JSR \$AB1E	.,1E49 20 D2 27	JSR #27D2
.,1DCD A6 B1	LDX #B1	.,1E4C 20 D2 FF	JSR \$FFD2
.,1DCF A5 B2	LDA #B2		

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.,1E4F	A5	5F	LDA	#5F	.,1EE3	8E	1C	32	STX	#321C
.,1E51	C9	20	CMP	#420	.,1EE6	ED	19	32	CPX	#3219
.,1E53	D0	0F	BNE	#1E64	.,1EE9	E0	05		BCS	#1EF0
.,1E55	A9	3B	LDA	#3B	.,1EEB	CD	18	32	CMP	#3218
.,1E57	A0	2A	LDY	#2A	.,1EEE	90	03		BCC	#1EF3
.,1E59	20	1E	AB JSR	#AB1E	.,1EF0	EE	1A	32	INC	#321A
.,1E5C	20	D2	27 JSR	#27D2	.,1EF3	4C	D7	13	JMP	#13B9
.,1E5F	E6	B0	INC	#B0	.,1EF6	A9	01		LDA	#101
.,1E61	4C	89	1E JMP	#1E89	.,1EF8	2C	A9	00	BLT	#00A9
.,1E64	C9	40	CMP	#40	.,1EFB	85	02		STA	#02
.,1E66	D0	0F	BNE	#1E77	.,1EFD	AC	17	32	LDY	#3217
.,1E68	A9	49	LDA	#49	.,1F00	F0	61		BEQ	#1F63
.,1E6A	20	D2	FF JSR	#FFD2	.,1F02	AD	18	32	LDA	#3218
.,1E6D	A9	41	LDA	#41	.,1F05	AE	19	32	LDX	#3219
.,1E6F	A0	2A	LDY	#2A	.,1F08	EC	D4	2F	CPX	#2FD4
.,1E71	20	1E	AB JSR	#AB1E	.,1F0B	90	23		BCC	#1F30
.,1E74	4C	89	1E JMP	#1E89	.,1F0D	D0	05		BNE	#1F14
.,1E77	C9	80	CMP	#80	.,1F0F	CD	D3	2F	CMP	#2FD3
.,1E79	D0	07	BNE	#1E82	.,1F12	90	1C		BCC	#1F30
.,1E7B	A9	44	LDA	#44	.,1F14	A6	02		LDX	#02
.,1E7D	20	D2	FF JSR	#FFD2	.,1F16	D0	0A		BNE	#1F22
.,1E80	D0	EB	BNE	#1E6D	.,1F18	EE	18	32	INC	#3218
.,1E82	A9	4D	LDA	#4D	.,1F1B	D0	13		BNE	#1F30
.,1E84	20	D2	FF JSR	#FFD2	.,1F1D	EE	19	32	INC	#3219
.,1E87	D0	E4	BNE	#1E6D	.,1F20	D0	0E		BNE	#1F30
.,1E89	20	D2	27 JSR	#27D2	.,1F22	AD	18	32	LDA	#3218
.,1E8C	20	D2	FF JSR	#FFD2	.,1F25	3B			SEC	
.,1E8F	A6	5D	LDX	#5D	.,1F26	E9	01		SBC	#401
.,1E91	A9	00	LDA	#00	.,1F28	8D	18	32	STA	#3218
.,1E93	20	CD	BD JSR	#BDCD	.,1F2B	B0	03		BCS	#1F30
.,1E96	A5	CB	LDA	#CB	.,1F2D	CE	19	32	DEC	#3219
.,1E98	C9	3F	CMP	#3F	.,1F30	AC	1A	32	LDY	#321A
.,1E9A	F0	0D	BEQ	#1EA9	.,1F33	F0	2E		BEQ	#1F63
.,1E9C	C9	40	CMP	#40	.,1F35	AD	1B	32	LDA	#321B
.,1E9E	D0	F6	BNE	#1E96	.,1F38	AE	1C	32	LDX	#321C
.,1EA0	20	AC	1E JSR	#1EAC	.,1F3B	EG	D4	2F	CPX	#2FD4
.,1EA3	20	D7	27 JSR	#27D7	.,1F3E	90	23		BCC	#1F63
.,1EA6	4C	AA	1D JMP	#1DAA	.,1F40	D0	05		BNE	#1F47
.,1EA9	4C	B3	1D JMP	#1DB3	.,1F42	CD	D3	2F	CMP	#2FD3
.,1EAC	A5	FB	LDA	#FB	.,1F45	90	1C		BCC	#1F63
.,1EAE	18		CLC		.,1F47	A6	02		LDX	#02
.,1EAF	69	06	ADC	#06	.,1F49	D0	0A		BNE	#1F55
.,1EB1	85	FB	STA	#FB	.,1F4B	EE	1B	32	INC	#321B
.,1EB3	90	02	BCC	#1EB7	.,1F4E	D0	13		BNE	#1F63
.,1EB5	E6	FC	INC	#FC	.,1F50	EE	1C	32	INC	#321C
.,1EB7	60		RTS		.,1F53	D0	0E		BNE	#1F63
.,1EB8	A2	01	LDX	#01	.,1F55	AD	1B	32	LDA	#321B
.,1EBA	8E	17	32 STX	#3217	.,1F58	3B			SEC	
.,1EBD	CA		DEX		.,1F59	E9	01		SBC	#401
.,1EBE	8E	1A	32 STX	#321A	.,1F5B	8D	1B	32	STA	#321B
.,1EC1	AD	D3	2F LDA	#2FD3	.,1F5E	B0	03		BCS	#1F63
.,1EC4	8D	18	32 STA	#3218	.,1F60	CE	1C	32	DEC	#321C
.,1EC7	AD	D4	2F LDA	#2FD4	.,1F63	60			RTS	
.,1ECA	8D	19	32 STA	#3219	.,1F64	20	6E	0F	JSR	#0F6E
.,1ECD	4C	B9	13 JMP	#13B9	.,1F67	B0	0F		BCS	#1F78
.,1ED0	AE	17	32 LDX	#3217	.,1F69	20	4B	0A	JSR	#0A4B
.,1ED3	F0	1D	BEQ	#1EF0	.,1F6C	A0	01		LDY	#01
.,1ED5	A2	00	LDX	#00	.,1F6E	A9	00		LDA	#00
.,1ED7	8E	1A	32 STX	#321A	.,1F70	91	28		STA	(#2B),Y
.,1EDA	AD	D3	2F LDA	#2FD3	.,1F72	20	4E	0A	JSR	#0A4E
.,1EDD	AE	D4	2F LDX	#2FD4	.,1F75	20	6F	0B	JSR	#0B6F
.,1EE0	8D	1B	32 STA	#321B						

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.,1F7B 4C F2 13 JMP #13F2
.,1F7B A9 00 LDA #100
.,1F7D A2 05 LDX #105
.,1F7F 9D 17 32 STA $3217,X
.,1F82 CA DEX
.,1F83 10 FA BPL #1F7F
.,1F85 4C B1 13 JMP #13B1
.,1F88 20 4B 0A JSR $0A4B
.,1F8B 20 C7 27 JSR $27C7
.,1F8E A0 00 LDY #100
.,1F90 A9 FF LDA #1FF
.,1F92 91 FB STA ($FB),Y
.,1F94 C8 INY
.,1F95 B1 FB LDA ($FB),Y
.,1F97 F0 21 BEQ #1FBA
.,1F99 C9 04 CMP #104
.,1F9B 70 0F BCC #1FAC
.,1F9D C9 2B CMP #12B
.,1F9F B0 0B BCS #1FAC
.,1FA1 1B CLC
.,1FA2 65 FB ADC #FB
.,1FA4 B5 FB STA #FB
.,1FA6 90 E6 BCC #1F9E
.,1FA8 E6 FC INC #FC
.,1FAA D0 E2 BNE #1F9E
.,1FAC C8 INY
.,1FAD B1 FB LDA ($FB),Y
.,1FAF C9 FF CMP #1FF
.,1FB1 D0 F9 BNE #1FAC
.,1FB3 9B TYA
.,1FB4 A0 01 LDY #101
.,1FB6 91 FB STA ($FB),Y
.,1FB8 D0 E7 BNE #1FA1
.,1FBA 4C 4E 0A JMP $0A4E
.,1FBD 20 6E 0F JSR $0F6E
.,1FC0 D0 1B BCS #1FDA
.,1FC2 A5 2B LDA #2B
.,1FC4 B5 22 STA #22
.,1FC6 A5 29 LDA #29
.,1FC8 B5 23 STA #23
.,1FCA 20 BC 27 JSR $27BC
.,1FCD AD E9 2F LDA $2FE9
.,1FD0 B5 24 STA #24
.,1FD2 AD EA 2F LDA $2FEA
.,1FD5 B5 25 STA #25
.,1FD7 20 DD 1F JSR $1FDD
.,1FDA 4C 1E 13 JMP #131E
.,1FDD E6 5A INC #5A
.,1FDF D0 02 BNE #1FE3
.,1FE1 E6 5B INC #5B
.,1FE3 20 4B 0A JSR $0A4B
.,1FE6 A5 5A LDA #5A
.,1FEB 3B SEC
.,1FE9 E5 22 SBC #22
.,1FEB B5 26 STA #26
.,1FED A5 5B LDA #5B
.,1FEF 3B SEC
.,1FF0 E5 23 SBC #23
.,1FF2 AA TAX
.,1FF3 E8 INX
.,1FF4 A0 00 LDY #100

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.,1FF6 B1 22 LDA ($22),Y
.,1FF8 91 24 STA ($24),Y
.,1FFA C8 INY
.,1FFB D0 F9 BNE #1FF6
.,1FFD E6 23 INC #23
.,1FFF E6 25 INC #25
.,2001 CA DEX
.,2002 D0 F2 BNE #1FF6
.,2004 A4 26 LDY #26
.,2006 B1 22 LDA ($22),Y
.,2008 91 24 STA ($24),Y
.,200A B8 DEY
.,200B 10 F9 BPL #2006
.,200D 4C 4E 0A JMP $0A4E
.,2010 E6 5A INC #5A
.,2012 D0 02 BNE #2016
.,2014 E6 5B INC #5B
.,2016 E6 5B INC #5B
.,2018 D0 02 BNE #201C
.,201A E6 59 INC #59
.,201C 20 4B 0A JSR $0A4B
.,201F 3B SEC
.,2020 A5 5A LDA #5A
.,2022 E5 5F SBC #5F
.,2024 B5 22 STA #22
.,2026 A8 TAY
.,2027 A5 5B LDA #5B
.,2029 E5 60 SBC #60
.,202B AA TAX
.,202C E8 INX
.,202D 9B TYA
.,202E F0 23 BEQ #2053
.,2030 A5 5A LDA #5A
.,2032 3B SEC
.,2033 E5 22 SBC #22
.,2035 B5 5A STA #5A
.,2037 B0 03 BCS #203C
.,2039 C4 5B DEC #5B
.,203B 3B SEC
.,203C A5 5B LDA #5B
.,203E E5 22 SBC #22
.,2040 B5 5B STA #5B
.,2042 B0 0B BCS #204C
.,2044 C6 59 DEC #59
.,2046 90 04 BCC #204C
.,2048 B1 5A LDA ($5A),Y
.,204A 91 5B STA ($5B),Y
.,204C B8 DEY
.,204D D0 F9 BNE #204B
.,204F B1 5A LDA ($5A),Y
.,2051 91 5B STA ($5B),Y
.,2053 C6 5B DEC #5B
.,2055 C6 59 DEC #59
.,2057 CA DEX
.,2059 D0 F2 BNE #204C
.,205A 4C 4E 0A JMP $0A4E
.,205D AE 1A 32 LDX #321A
.,2060 F0 2E BEQ #2090
.,2062 20 6E 0F JSR $0F6E
.,2065 D0 29 BCS #2090
.,2067 20 BC 21 JSR $21BC

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.,206A AD DD 2F LDA #2FDD
.,206D 85 24 STA #24
.,206F AD DE 2F LDA #2FDE
.,2072 85 25 STA #25
.,2074 AD DF 2F LDA #2FDF
.,2077 85 22 STA #22
.,2079 AD E0 2F LDA #2FE0
.,207C 85 23 STA #23
.,207E 20 BC 27 JSR #27BC
.,2081 20 DD 1F JSR #1FDD
.,2084 AD DD 2F LDA #2FDD
.,2087 AE DE 2F LDX #2FDE
.,208A 20 3C 1C JSR #1C3C
.,208D 4C 7B 1F JMP #1F7B
.,2090 4C F2 13 JMP #13F2
.,2093 A9 52 LDA #52
.,2095 8D 09 2F STA #2F09
.,2098 20 25 0B JSR #0B25
.,209B A9 14 LDA #14
.,209D A2 F6 LDX #F6
.,209F A0 2E LDY #2E
.,20A1 20 BD FF JSR #FFBD
.,20A4 A9 02 LDA #02
.,20A6 A2 08 LDX #08
.,20AB A0 03 LDY #03
.,20AA 20 BA FF JSR #FFBA
.,20AD 20 D0 FF JSR #FFD0
.,20B0 A2 02 LDX #02
.,20B2 20 C6 FF JSR #FFC6
.,20B5 A9 00 LDA #00
.,20B7 85 90 STA #90
.,20B9 20 87 0D JSR #0D87
.,20BC 20 CF FF JSR #FFCF
.,20BF A6 90 LDX #90
.,20C1 F0 03 BEQ #20C6
.,20C3 4C 03 0E JMP #0E03
.,20C6 AD 8C 0B LDA #0B8C
.,20C9 AE 8D 0B LDX #0B8D
.,20CC 20 51 0C JSR #0C51
.,20CF AD D5 2F LDA #2FD5
.,20D2 8D 19 32 STA #3218
.,20D5 AD D6 2F LDA #2FD6
.,20D8 8D 19 32 STA #3219
.,20DB 20 74 0B JSR #0B74
.,20DE 20 FD 20 JSR #20FD
.,20E1 A2 01 LDX #01
.,20E3 8E 1A 32 STX #321A
.,20E6 8E 17 32 STX #3217
.,20E9 AE 17 32 LDX #3217
.,20EC F0 0C BEQ #20FA
.,20EE AD 1B 32 LDA #321B
.,20F1 AE 19 32 LDX #3219
.,20F4 20 6A 1C JSR #1C6A
.,20F7 20 3C 1C JSR #1C3C
.,20FA 4C B1 13 JMP #13B1
.,20FD AD D5 2F LDA #2FD5
.,2100 8A TXA
.,2101 1B ???
.,2102 32 ???
.,2103 AD D6 2F LDA #2FD6
.,2106 8D 1C 32 STA #321C
.,2109 60 RTS

.,210A AE 1A 32 LDX #321A
.,210D F0 ED BEQ #20FA
.,210F 20 25 0B JSR #0B25
.,2112 A9 57 LDA #57
.,2114 8D 09 2F STA #2F09
.,2117 20 67 0F JSR #0F67
.,211A 20 7A 0D JSR #0D7A
.,211D 20 E4 FF JSR #FFE4
.,2120 F0 FB BEQ #211D
.,2122 C7 5A CMP #5A
.,2124 F0 B4 BEQ #20FA
.,2126 E9 55 CMP #55
.,2128 D0 1A BNE #2144
.,212A A7 12 LDA #12
.,212E A2 F4 LDX #F4
.,212E A0 2E LDY #2E
.,2130 20 BD FF JSR #FFBD
.,2133 A9 01 LDA #01
.,2135 A2 08 LDX #08
.,2137 A0 0F LDY #0F
.,2139 20 BA FF JSR #FFBA
.,213C 20 C0 FF JSR #FFC0
.,213F A9 01 LDA #01
.,2141 20 C3 FF JSR #FFC3
.,2144 20 AB 0B JSR #0BAB
.,2147 A7 00 LDA #00
.,2149 85 90 STA #90
.,214B A9 14 LDA #14
.,214D A2 F6 LDX #F6
.,214F A0 2E LDY #2E
.,2151 20 BD FF JSR #FFBD
.,2154 A9 02 LDA #02
.,2156 A2 0B LDX #0B
.,215B A0 02 LDY #02
.,215A 20 BA FF JSR #FFBA
.,215D 20 C0 FF JSR #FFC0
.,2160 90 03 BCC #2165
.,2162 4C 03 0E JMP #0E03
.,2165 A2 02 LDX #02
.,2167 20 C9 FF JSR #FFC9
.,216A 20 BC 21 JSR #21BC
.,216D AE DF 2F LDX #2FDF
.,2170 AC E0 2F LDY #2FE0
.,2173 E8 INX
.,2174 D0 01 BNE #2177
.,2176 CB INY
.,2177 84 FD STX #FD
.,2179 84 FE STY #FE
.,217B AD DD 2F LDA #2FDD
.,217E 85 FB STA #FB
.,2180 20 D2 FF JSR #FFD2
.,2183 AD DE 2F LDA #2FDE
.,2186 20 F7 0C JSR #0CF7
.,2189 4C E9 20 JMP #20E9
.,218C AC 1B 32 LDY #321B
.,218F AE 1C 32 LDX #321C
.,2192 CB INY
.,2193 D0 01 BNE #2196
.,2195 E8 INX
.,2196 9B TYA
.,2197 20 6A 1C JSR #1C6A

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.,219A 8D DF 2F STA $2FDF
.,219D 8E E0 2F STX $2FE0
.,21A0 AD 18 32 LDA $3218
.,21A3 AE 19 32 LDX $3219
.,21A6 20 6A 1C JSR $1C6A
.,21A9 8D DD 2F STA $2FDD
.,21AC 8E DE 2F STX $2FDE
.,21AF 60 RTS
.,21B0 AC 1A 32 LDY $321A
.,21B3 D0 03 BNE $21B8
.,21B5 4C BD 22 JMP $22BD
.,21B8 20 8C 21 JSR $218C
.,21BB AD 1B 32 LDA $321B
.,21BE AE 1C 32 LDX $321C
.,21C1 38 SEC
.,21C2 ED 18 32 SBC $3218
.,21C5 8D E3 2F STA $2FE3
.,21C8 90 02 BCS $21CC
.,21CA 8A DEX
.,21CB 38 SEC
.,21CC 8A TXA
.,21CD ED 19 32 SBC $3219
.,21D0 8D E4 2F STA $2FE4
.,21D3 AD DF 2F LDA $2FDF
.,21D6 AE E0 2F LDX $2FE0
.,21D9 38 SEC
.,21DA ED DD 2F SBC $2FDD
.,21DD 8D E1 2F STA $2FE1
.,21E0 B0 02 BCS $21E4
.,21E2 CA DEX
.,21E3 38 SEC
.,21E4 8A TXA
.,21E5 ED DE 2F SBC $2FDE
.,21E8 8D E2 2F STA $2FE2
.,21EB AD DF 2F LDA $2FDF
.,21EE AE E0 2F LDX $2FE0
.,21F1 E4 29 CPX $29
.,21F3 90 7B BCC $2270
.,21F5 D0 04 BNE $21FB
.,21F7 C5 28 CMP $28
.,21F9 90 75 BCC $2270
.,21FB AD DD 2F LDA $2FDD
.,21FE AE DE 2F LDX $2FDE
.,2201 E4 29 CPX $29
.,2203 90 08 BCC $220D
.,2205 D0 09 BNE $2210
.,2207 C5 28 CMP $28
.,2209 90 02 BCC $220D
.,220B B0 03 BCS $2210
.,220D 4C B1 13 JMP $13B1
.,2210 AD DD 2F LDA $2FDD
.,2213 AE DE 2F LDX $2FDE
.,2216 18 CLC
.,2217 6D E1 2F ADC $2FE1
.,221A 8D DD 2F STA $2FDD
.,221D 90 02 BCC $2221
.,221F E8 INX
.,2220 18 CLC
.,2221 8A TXA
.,2222 6D E2 2F ADC $2FE2
.,2225 8D DE 2F STA $2FDE

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.,2228 AD DF 2F LDA $2FDF
.,222B AE E0 2F LDX $2FE0
.,222E 18 CLC
.,223F 6D E1 2F ADC $2FE1
.,2232 8D DF 2F STA $2FDF
.,2235 90 02 BCC $2239
.,2237 E8 INX
.,2238 18 CLC
.,2239 8A TXA
.,223A 6D E2 2F ADC $2FE2
.,223D 8D E0 2F STA $2FE0
.,2240 AD 18 32 LDA $3218
.,2243 AE 19 32 LDX $3219
.,2246 18 CLC
.,2247 6D E3 2F ADC $2FE3
.,224A 8D 18 32 STA $3218
.,224D 90 02 BCC $2251
.,224F E8 INX
.,2250 18 CLC
.,2251 8A TXA
.,2252 6D E4 2F ADC $2FE4
.,2255 8D 19 32 STA $3219
.,2258 AD 1B 32 LDA $321B
.,225D AE 1C 32 LDX $321C
.,225E 18 CLC
.,225F 6D E3 2F ADC $2FE3
.,2262 8D 1B 32 STA $321B
.,2265 90 02 BCC $2269
.,2267 E8 INX
.,2268 18 CLC
.,2269 8A TXA
.,226A 6D E4 2F ADC $2FE4
.,226D 8D 1C 32 STA $321C
.,2270 20 8C 27 JSR $278C
.,2273 A5 5A LDA $5A
.,2275 A6 5B LDX $5B
.,2277 18 CLC
.,2278 6D E1 2F ADC $2FE1
.,227B 85 58 STA $58
.,227D 90 02 BCC $2281
.,227F E8 INX
.,2280 18 CLC
.,2281 8A TXA
.,2282 6D E2 2F ADC $2FE2
.,2285 85 57 STA $57
.,2287 A5 28 LDA $28
.,2289 85 5F STA $5F
.,228B A5 27 LDA $27
.,228D 85 60 STA $60
.,228F 20 10 20 JSR $2010
.,2292 AD DD 2F LDA $2FDD
.,2295 85 5F STA $5F
.,2297 AD DE 2F LDA $2FDE
.,229A 85 60 STA $60
.,229C AD DF 2F LDA $2FDF
.,229F 85 5A STA $5A
.,22A1 AD E0 2F LDA $2FE0
.,22A4 85 5B STA $5B
.,22A6 A5 28 LDA $28
.,22AB A6 27 LDX $27
.,22AA 18 CLC

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.,22AB 6D E1 2F ADC #2FE1
.,22AE 85 58 STA #58
.,22B0 90 02 BCC #22B4
.,22B2 E8 INX
.,22B3 18 CLC
.,22B4 8A TXA
.,22B5 6D E2 2F ADC #2FE2
.,22B8 85 59 STA #59
.,22BA 20 10 20 JSR #2010
.,22BD A5 28 LDA #28
.,22BF A6 29 LDX #29
.,22B1 4C F7 20 JMP #20F7
.,22C4 AE 1A 32 LDX #321A
.,22C7 F0 F4 BEQ #22BD
.,22C9 20 F9 26 JSR #26F9
.,22CC A9 78 LDA #478
.,22CE A0 04 LDY #404
.,22D0 85 5D STA #5D
.,22D2 84 5E STY #5E
.,22D4 A9 ED LDA #4ED
.,22D6 A0 31 LDY #431
.,22D8 85 22 STA #22
.,22DA 84 23 STY #23
.,22DC A2 03 LDX #403
.,22DE A0 32 LDY #432
.,22E0 A9 14 LDA #414
.,22E2 20 B1 11 JSR #11B1
.,22E5 85 B1 STA #B1
.,22E7 A9 01 LDA #401
.,22E9 2C A9 00 BIT #00A9
.,22EC 85 B3 STA #B3
.,22EE AE 1A 32 LDX #321A
.,22F1 F0 CA BEQ #22BD
.,22F3 20 8C 21 JSR #218C
.,22F6 20 F9 26 JSR #26F9
.,22F9 A9 78 LDA #478
.,22FB A0 04 LDY #404
.,22FD 85 5D STA #5D
.,22FF 84 5E STY #5E
.,2301 A9 D9 LDA #4D9
.,2303 A0 31 LDY #431
.,2305 85 22 STA #22
.,2307 84 23 STY #23
.,2309 A2 EF LDX #4EF
.,230B A0 31 LDY #431
.,230D A9 14 LDA #414
.,230F 20 B1 11 JSR #11B1
.,2312 85 B0 STA #B0
.,2314 A6 B3 LDX #B3
.,2316 F0 28 BEQ #2340
.,2319 A5 B0 LDA #B0
.,231A C5 B1 CMP #B1
.,231C F0 04 BEQ #2322
.,231E 30 08 BMI #232B
.,2320 10 14 BPL #2334
.,2322 A0 00 LDY #400
.,2324 84 03 STY #03
.,2326 F0 18 BEQ #2340
.,2329 A5 B1 LDA #B1
.,232A 38 SEC
.,232B E5 B0 SBC #B0
.,232D 8D 1D 32 STA #321D

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.,2330 A0 01 LDY #401
.,2332 84 03 STY #03
.,2334 D0 0A BNE #2340
.,2336 38 SEC
.,2337 E5 B1 SBC #B1
.,2339 8D 1E 32 STA #321E
.,233C A0 02 LDY #402
.,233E 84 03 STY #03
.,2340 20 48 0A JSR #0A48
.,2343 AD DD 2F LDA #2FDD
.,2346 85 F7 STA #F7
.,2348 AD DE 2F LDA #2FDE
.,234B 85 F8 STA #F8
.,234D A0 00 LDY #400
.,234F A2 00 LDX #400
.,2351 BD EF 31 LDA #31EF,X
.,2354 29 BF AND #4BF
.,2356 D1 F7 CMP (#F7),Y
.,2358 D0 08 BNE #2362
.,235A C8 INY
.,235B E8 INX
.,235C E4 B0 CPX #B0
.,235E D0 F1 BNE #2351
.,2360 F0 17 BEQ #2379
.,2362 E6 F7 INC #F7
.,2364 D0 02 BNE #2368
.,2366 E6 F8 INC #F8
.,2368 A5 F8 LDA #F8
.,236A CD E0 2F CMP #2FEO
.,236D D0 DE BNE #234D
.,236F A5 F7 LDA #F7
.,2371 CD DF 2F CMP #2FDF
.,2374 D0 D7 BNE #234D
.,2376 4C 3A 24 JMP #243A
.,2379 A0 00 LDY #400
.,237B A5 F7 LDA #F7
.,237D 85 9E STA #9E
.,237F A5 F8 LDA #F8
.,2381 85 9F STA #9F
.,2383 D1 9E LDA (#9E),Y
.,2385 C9 FF CMP #4FF
.,2387 F0 0D BEQ #2396
.,2389 A5 9E LDA #9E
.,238B 38 SEC
.,238C E7 01 SBC #401
.,238E 85 9E STA #9E
.,2390 B0 F1 BCS #2383
.,2392 C6 9F DEC #9F
.,2394 D0 ED BNE #2383
.,2396 20 4E 0A JSR #0A4E
.,2397 A5 9E LDA #9E
.,239B A6 9F LDX #9F
.,239D 20 3C 1C JSR #1C3C
.,23A0 20 CA 0A JSR #0ACA
.,23A3 20 F1 08 JSR #08F1
.,23A6 A9 0F LDA #40F
.,23A8 A0 03 LDY #403
.,23AA 85 25 STA #25
.,23AC 84 26 STY #26
.,23AE A9 BF LDA #4BF
.,23B0 A0 06 LDY #406

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.,24C5 84 FE STY $FE
.,24C7 A4 FD LDY $FD
.,24C9 B9 EF 2F LDA $2FEF,Y
.,24CC C9 20 CMP #120
.,24CE D0 04 BNE $24D4
.,24D0 E6 FD INC $FD
.,24D2 D0 F3 BNE $24C7
.,24D4 C9 80 CMP #180
.,24D6 B0 09 BCS $24E1
.,24D8 C9 3B CMP #13B
.,24DA D0 08 BNE $24E4
.,24DC 4C 51 26 JMP $2651
.,24DE D0 03 BNE $24E4
.,24E1 4C 1F 25 JMP $251F
.,24E4 A4 FE LDY $FE
.,24E6 A9 55 LDA #155
.,24E8 20 F1 26 JSR $26F1
.,24EB E6 FE INC $FE
.,24ED A4 FD LDY $FD
.,24EF B9 EF 2F LDA $2FEF,Y
.,24F2 E6 FD INC $FD
.,24F4 B5 02 STA $02
.,24F6 C9 00 CMP #100
.,24F8 F0 10 BEQ $250A
.,24FA E9 20 CMP #120
.,24FC F0 0C BEQ $250A
.,24FE 20 C9 26 JSR $26C9
.,2501 A4 FE LDY $FE
.,2503 20 F1 26 JSR $26F1
.,2506 E6 FE INC $FE
.,2508 D0 E3 BNE $24ED
.,250A A4 FE LDY $FE
.,250C A9 3A LDA #13A
.,250E 20 F1 26 JSR $26F1
.,2511 E6 FE INC $FE
.,2513 20 7C 26 JSR $267C
.,2516 A5 02 LDA $02
.,2518 C9 20 CMP #120
.,251A F0 AB BEQ $24C7
.,251C 4C 8D 24 JMP $248D
.,251F C9 A3 CMP #1A3
.,2521 D0 02 BNE $2525
.,2523 A9 A4 LDA #1A4
.,2525 A0 00 LDY #100
.,2527 B9 D2 33 CMP $33D2,Y
.,252A F0 17 BEQ $2545
.,252C C9 INY
.,252D C0 55 CPY #155
.,252F D0 F6 BNE $2527
.,2531 20 BE 26 JSR $26BE
.,2534 A9 8A LDA #18A
.,2536 A0 2F LDY #12F
.,2538 20 1E AD JSR $AD1E
.,253E A6 9E LDX $9E
.,253D A5 9F LDA $9F
.,253F 20 CD BD JSR $BDCD
.,2542 4C 36 08 JMP $0836
.,2545 98 TYA
.,2546 A4 FE LDY $FE
.,2548 20 F1 26 JSR $26F1
.,254B E6 FE INC $FE

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.,254D E6 FD INC $FD
.,254F C9 48 CMP #148
.,2551 D0 48 BCS $259D
.,2553 A2 00 LDX #100
.,2555 B6 03 STX $03
.,2557 A4 FD LDY $FD
.,2559 B9 EF 2F LDA $2FEF,Y
.,255C C9 28 CMP #128
.,255E D0 02 BNE $2562
.,2560 E6 03 INC $03
.,2562 A4 FD LDY $FD
.,2564 D9 EF 2F LDA $2FEF,Y
.,2567 E6 FD INC $FD
.,2569 C9 00 CMP #100
.,256B F0 28 BEQ $2595
.,256D C9 22 CMP #122
.,256F D0 08 BNE $2579
.,2571 A5 9F LDA $9F
.,2573 49 01 EOR #101
.,2575 05 9F STA $9F
.,2577 A7 22 LDA #122
.,2579 A6 9F LDX $9F
.,257B D0 0C BNE $2589
.,257D A6 03 LDX $03
.,257F D0 08 BNE $2589
.,2581 C9 28 CMP #128
.,2583 F0 DD BEQ $2562
.,2585 C9 27 CMP #127
.,2587 F0 D9 BEQ $2562
.,2589 20 C9 26 JSR $26C9
.,258C A4 FE LDY $FE
.,258E 20 F1 26 JSR $26F1
.,2591 E6 FE INC $FE
.,2593 D0 CD BNE $2562
.,2595 20 7C 26 JSR $267C
.,2598 4C 8D 24 JMP $248D
.,259B B5 F8 STA $F8
.,259D C9 4A CMP #14A
.,259F F0 16 BEQ $25D7
.,25A1 C9 4C CMP #14C
.,25A3 F0 3D BEQ $25E2
.,25A5 C9 4D CMP #14D
.,25A7 F0 0B BEQ $25B4
.,25A9 C9 4F CMP #14F
.,25AB F0 07 BEQ $25B4
.,25AD C9 53 CMP #153
.,25AF F0 09 BEQ $25BA
.,25B1 4C 62 25 JMP $2562
.,25B4 4C 51 26 JMP $2651
.,25B7 A9 08 LDA #108
.,25B9 2C A9 06 BIT $06A9
.,25BC B5 F9 STA $F9
.,25BE 20 9C 26 JSR $267C
.,25C1 C9 00 CMP #100
.,25C3 F0 17 BEQ $25DC
.,25C5 C6 F9 DEC $F9
.,25C7 A5 F9 LDA $F9
.,25C9 10 F3 BPL $25BE
.,25CB C6 FE DEC $FE
.,25CD 20 7C 26 JSR $267C
.,25D0 A4 FE LDY $FE

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.,23B2 85 5D	STA \$5D	.,2437 4C 62 23	JMP \$2362
.,23B4 84 5E	STY \$5E	.,243A 20 4E 0A	JSR \$0A4E
.,23B6 A9 5E	LDA #45E	.,243D 4C E9 20	JMP \$20E9
.,23B8 A0 2E	LDY #42E	.,2440 20 A6 0D	JSR \$0DA6
.,23BA 85 22	STA \$22	.,2443 A9 78	LDA #478
.,23BC 84 23	STY \$23	.,2445 A0 04	LDY #404
.,23BE 20 05 0B	JSR \$0B05	.,2447 85 5B	STA \$5D
.,23C1 A5 B3	LDA #B3	.,2449 84 5E	STY \$5E
.,23E3 F0 0E	BEQ \$23D3	.,244B A9 0E	LDA #40E
.,23C5 A2 14	LDX #414	.,244D A0 2E	LDY #42E
.,23E7 A0 18	LDY #418	.,244F 85 22	STA \$22
.,23C9 20 0C E5	JSR \$E50C	.,2451 84 23	STY \$23
.,23CC A9 9A	LDA #49A	.,2453 A2 E0	LDX #4E0
.,23CE A0 2E	LDY #42E	.,2455 A0 2E	LDY #42E
.,23D0 20 1E AB	JSR \$AB1E	.,2457 A9 10	LDA #410
.,23D3 20 E4 FF	JSR \$FFE4	.,2459 20 B1 11	JSR \$11B1
.,23D6 C9 57	CMP #457	.,245C A9 12	LDA #412
.,23D8 D0 06	BNE \$23E0	.,245E A2 E0	LDX #4E0
.,23DA 20 4B 0A	JSR \$0A4B	.,2460 A0 2E	LDY #42E
.,23DD 4C 62 23	JMP \$2362	.,2462 20 BD FF	JSR \$FFBD
.,23E0 C9 45	CMP #445	.,2465 A9 03	LDA #403
.,23E2 D0 06	BNE \$23EA	.,2467 A2 0B	LDX #40B
.,23E4 20 4E 0A	JSR \$0A4E	.,2469 A0 03	LDY #403
.,23E7 4C B1 13	JMP \$13B1	.,246B 20 BA FF	JSR \$FFBA
.,23EA C9 52	CMP #452	.,246E 20 C0 FF	JSR \$FFC0
.,23EC D0 E5	BNE \$23D3	.,2471 20 25 0B	JSR \$0B25
.,23EE A5 B3	LDA #B3	.,2474 A9 9A	LDA #49A
.,23F0 F0 E1	BEQ \$23D3	.,2476 A0 2F	LDY #42F
.,23F2 A4 03	LDY #03	.,2478 20 1E AB	JSR \$AB1E
.,23F4 F0 15	BEQ \$240B	.,247B A2 03	LDX #403
.,23F6 A5 F7	LDA #F7	.,247D 20 C6 FF	JSR \$FFC6
.,23F8 85 2B	STA \$2B	.,2480 AD E9 2F	LDA \$2FE9
.,23FA A5 FB	LDA #FB	.,2483 85 FB	STA #FB
.,23FC 85 29	STA \$29	.,2485 AD EA 2F	LDA \$2FEA
.,23FE C0 01	CPY #401	.,2488 85 FC	STA \$FC
.,2400 D0 06	BNE \$240B	.,248A 20 87 0D	JSR \$0D87
.,2402 20 D3 09	JSR \$09D3	.,248D 20 87 0D	JSR \$0D87
.,2405 4C 0B 24	JMP \$240B	.,2490 E9 00	CMP #400
.,2408 20 F6 09	JSR \$09F6	.,2492 D0 03	BNE \$2497
.,240B 20 4B 0A	JSR \$0A4B	.,2494 4C 72 26	JMP \$2672
.,240E A0 00	LDY #400	.,2497 20 CF FF	JSR \$FFCF
.,2410 B9 03 32	LDA \$3203,Y	.,249A 85 9E	STA \$9E
.,2413 29 BF	AND #4BF	.,249C 20 CF FF	JSR \$FFCF
.,2415 91 F7	STA (\$F7),Y	.,249F 85 9F	STA \$9F
.,2417 C8	INY	.,24A1 A0 00	LDY #400
.,2419 C4 B1	CPY #B1	.,24A3 84 90	STY \$90
.,241A D0 F4	BNE \$2410	.,24A5 A6 90	LDX \$90
.,241C A0 01	LDY #401	.,24A7 F0 03	BEQ \$24AC
.,241E B1 9E	LDA (\$9E),Y	.,24A9 4C BE 26	JMP \$26BE
.,2420 C9 FF	CMP #4FF	.,24AC 20 CF FF	JSR \$FFCF
.,2422 F0 03	BEQ \$2427	.,24AF 99 EF 2F	STA \$2FEF,Y
.,2424 C8	INY	.,24B2 C8	INY
.,2425 D0 F7	BNE \$241E	.,24B3 C9 00	CMP #400
.,2427 9B	TYA	.,24B5 D0 EE	BNE \$24A5
.,2428 A0 01	LDY #401	.,24B7 AB	TAY
.,242A 91 9E	STA (\$9E),Y	.,24B8 A9 FF	LDA #4FF
.,242C A5 F7	LDA #F7	.,24BA 20 F1 26	JSR \$26F1
.,242E 1B	CLE	.,24BD 84 03	STY \$03
.,242F 65 B1	ADC #B1	.,24BF 84 9F	STY \$9F
.,2431 85 F7	STA \$F7	.,24C1 84 FD	STY \$FD
.,2433 90 02	BCC \$2437	.,24C3 A0 02	LDY #402
.,2435 E6 FB	INC \$FB		

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.,26E1 D0 03 BCS #26E6
.,26E3 E9 3F SEC #43F
.,26E5 60 RTS
.,26E6 C9 C0 CMP #4C0
.,26E8 90 06 BCC #26F0
.,26EA C9 DF CMP #4DF
.,26EC B0 02 BCS #26F0
.,26EE E9 7F SEC #47F
.,26F0 60 RTS
.,26F1 20 4B 0A JSR #0A4B
.,26F4 91 FB STA (#FB),Y
.,26F6 4C 4E 0A JMP #0A4E
.,26F9 A9 15 LDA #15
.,26FB A0 01 LDY #01
.,26FD 85 25 STA #25
.,26FF 84 26 STY #26
.,2701 60 RTS
.,2702 A9 0A LDA #0A
.,2704 A0 01 LDY #01
.,2706 85 25 STA #25
.,2708 84 26 STY #26
.,270A A9 7B LDA #7B
.,270C A0 04 LDY #04
.,270E 85 5D STA #5D
.,2710 84 5E STY #5E
.,2712 A9 14 LDA #14
.,2714 A0 32 LDY #32
.,2716 85 22 STA #22
.,2718 84 23 STY #23
.,271A A2 1F LDX #1F
.,271C A0 32 LDY #32
.,271E A9 09 LDA #09
.,2720 20 B1 11 JSR #11B1
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.,2726 C9 5F CMP #5F
.,2728 F0 13 BEQ #273D
.,272A A9 1F LDA #1F
.,272C A2 32 LDX #32
.,272E 85 9E STA #9E
.,2730 84 9F STY #9F
.,2732 A0 00 LDY #00
.,2734 EE DA 2F INC #2FDA
.,2737 20 0F 36 JSR #360F
.,273A 4C 6E 0F JMP #0F6E
.,273D 38 SEC
.,273E 60 RTS
.,273F 4C BB 27 JMP #27BD
.,2742 20 74 0B JSR #0B74
.,2745 20 02 27 JSR #2702
.,2748 B0 F5 BCS #273F
.,274A AD 8C 0B LDA #0B8C
.,274D AE 8D 0B LDX #0B8D
.,2750 38 SEC
.,2751 ED E9 2F SEC #2FE9
.,2754 8D E1 2F STA #2FE1
.,2757 D0 92 DCS #275D
.,2759 CA DEX
.,275A 38 SEC
.,275D 8A TXA
.,275E ED EA 2F SBC #2FEA
.,275F 8D E2 2F STA #2FE2
.,2762 A5 F7 LDA #F7

.,2764 A4 F8 LDY #F8
.,2766 CC EA 2F CPY #2FEA
.,2769 90 07 BCC #2772
.,276B D0 20 BNE #27BD
.,276D CD E9 2F CMP #2FE9
.,2770 B0 1B BCS #27BD
.,2772 AD E9 2F LDA #2FE9
.,2775 B5 22 STA #22
.,2777 AD EA 2F LDA #2FEA
.,277A 85 23 STA #23
.,277C A5 F7 LDA #F7
.,277E 85 24 STA #24
.,2780 A5 F8 LDA #F8
.,2782 85 25 STA #25
.,2784 20 BC 27 JSR #27BC
.,2787 20 DD 1F JSR #1FD
.,278A 4C D1 27 JMP #27B1
.,278D AD E9 2F LDA #2FE9
.,2790 B5 5F STA #5F
.,2792 AD EA 2F LDA #2FEA
.,2795 85 60 STA #60
.,2797 A5 F7 LDA #F7
.,2799 A6 FB LDX #FB
.,279B 1B CLC
.,279C 6D E1 2F ADC #2FE1
.,279F 85 5B STA #5B
.,27A1 90 02 BCC #27A5
.,27A3 E8 INX
.,27A4 1B CLC
.,27A5 9A TXA
.,27A6 6D E2 2F ADC #2FE2
.,27A9 85 59 STA #59
.,27AB 20 BC 27 JSR #27BC
.,27AE 20 10 20 JSR #2010
.,27B1 A5 F7 LDA #F7
.,27B3 0D E9 2F STA #2FE9
.,27B6 A5 F8 LDA #F8
.,27B8 8D EA 2F STA #2FEA
.,27BB 60 RTS
.,27BC AD 8C 0B LDA #0B8C
.,27BF 85 5A STA #5A
.,27C1 AD 8D 0B LDA #0B8D
.,27C4 85 5B STA #5B
.,27C6 60 RTS
.,27C7 AD E9 2F LDA #2FE9
.,27CA B5 FB STA #FB
.,27CC AD EA 2F LDA #2FEA
.,27CF 85 FC STA #FC
.,27D1 40 RTS
.,27D2 A7 20 LDA #20
.,27D4 45 D2 FF JMP #FFD2
.,27D7 A7 0D LDA #0D
.,27D9 4C D2 FF JMP #FFD2
.,27DC D3 ???
.,27DD 54 ???
.,27DE 41 52 EOR #52,X
.,27E0 54 ???

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von 119

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.,25D2 A5 FB LDA #FB
.,25D4 20 F1 26 JSR #26F1
.,25D7 E6 FE INC #FE
.,25D9 4C 9B 25 JMP #259B
.,25DC 20 7C 26 JSR #267C
.,25DF 4C 8D 24 JMP #248D
.,25E2 A4 FE LDY #FE
.,25E4 A9 22 LDA #422
.,25E6 20 F1 26 JSR #26F1
.,25E9 E6 FE INC #FE
.,25EB E6 FD INC #FD
.,25ED A4 FD LDY #FD
.,25EF B9 EF 2F LDA #2FEF,Y
.,25F2 C9 22 CMP #422
.,25F4 D0 20 BNE #2616
.,25F6 A4 FE LDY #FE
.,25F8 20 F1 26 JSR #26F1
.,25FB E6 FE INC #FE
.,25FD 20 7C 26 JSR #267C
.,2600 A9 4A LDA #44A
.,2602 A4 FE LDY #FE
.,2604 20 F1 26 JSR #26F1
.,2607 C8 INY
.,260B A9 30 LDA #430
.,260A 20 F1 26 JSR #26F1
.,260D C8 INY
.,260E B4 FE STY #FE
.,2610 20 7C 26 JSR #267C
.,2613 4C 8D 24 JMP #248D
.,2616 C9 00 CMP #400
.,2618 D0 0B BNE #2625
.,261A A9 22 LDA #422
.,261C A4 FE LDY #FE
.,261E 20 F1 26 JSR #26F1
.,2621 E6 FE INC #FE
.,2623 D0 EB BNE #2610
.,2625 20 C9 26 JSR #26C9
.,262D A4 FE LDY #FE
.,262A 20 F1 26 JSR #26F1
.,262D E6 FD INC #FD
.,262F E6 FE INC #FE
.,2631 A6 FE LDX #FE
.,2633 E0 22 CPX #422
.,2635 90 B6 BCC #25ED
.,2637 A4 FE LDY #FE
.,2639 A9 22 LDA #422
.,263B 20 F1 26 JSR #26F1
.,263E E6 FE INC #FE
.,2640 20 7C 26 JSR #267C
.,2643 A5 FB LDA #FB
.,2645 A4 FE LDY #FE
.,2647 20 F1 26 JSR #26F1
.,264A E6 FE INC #FE
.,264D C8 FD DEC #FD
.,264E 4C E2 25 JMP #25E2
.,2651 A4 FD LDY #FD
.,2653 B9 EF 2F LDA #2FEF,Y
.,2656 F0 14 BEQ #266C
.,2658 E6 FD INC #FD
.,265A C9 A0 CMP #4A0
.,265C D0 02 BNE #2660
.,265E A9 2E LDA #42E

```

```

.,2660 20 C9 26 JSR #26C9
.,2663 A4 FE LDY #FE
.,2665 20 F1 26 JSR #26F1
.,2668 E6 FE INC #FE
.,266A D0 E5 BNE #2651
.,266E 20 7C 26 JSR #267C
.,266F 4C 8D 24 JMP #248D
.,2672 A0 01 LDY #401
.,2674 A9 00 LDA #400
.,2676 20 F1 26 JSR #26F1
.,2679 4C BE 26 JMP #26BE
.,267C A4 FE LDY #FE
.,267E C0 04 CPY #404
.,2680 B0 06 BCS #268B
.,2682 A7 20 LDA #420
.,2684 20 F1 26 JSR #26F1
.,2687 C8 INY
.,268B 98 TYA
.,268D A9 01 LDY #401
.,268D 20 F1 26 JSR #26F1
.,268E 18 CLE
.,268F 65 FB ADC #FB
.,2691 B5 FB STA #FB
.,2693 90 02 BCC #2697
.,2695 E6 FC INC #FC
.,2697 A9 02 LDA #402
.,269B B5 FE STA #FE
.,269D 60 RTS
.,269D A4 FB LDY #FD
.,269E B7 EF 2F LDA #2FEF,Y
.,26A1 E6 FD INC #FD
.,26A3 C7 00 CMP #400
.,26A5 F0 16 BEQ #26BD
.,26A7 C9 29 CMP #429
.,26A9 F0 F1 BEQ #269C
.,26AB C9 28 CMP #428
.,26AD F0 ED BEQ #269C
.,26AF 20 C9 26 JSR #26C9
.,26B2 A4 FE LDY #FE
.,26B4 20 F1 26 JSR #26F1
.,26B7 E6 FE INC #FE
.,26B9 C9 2C CMP #42C
.,26BD D0 DF BNE #269E
.,26BD 60 RTS
.,26BE 20 CC FF JSR #FFCC
.,26C1 A9 03 LDA #403
.,26C3 20 C3 FF JSR #FFC3
.,26C6 4C E7 FF JMP #FFE7
.,26C9 C9 20 CMP #420
.,26CB B0 03 BCS #26D0
.,26CD 69 80 ADC #480
.,26CF 60 RTS
.,26D0 C9 80 CMP #480
.,26D2 30 07 BMI #26DB
.,26D4 C9 A0 CMP #4A0
.,26D6 10 03 BPL #26DB
.,26D8 69 40 ADC #440
.,26DA 60 RTS
.,26DB C9 41 CMP #441
.,26DD 90 11 BCC #26FD
.,26DF C9 80 CMP #480

```


V. S. Ass

```
.*40c0 ung...m5Code wird nicht abgelegt
.*40e0 .m5Ende der Assemblierung.m5Code
.*4100 wird als File abgelegt.m5mAssem
.*4120 blierungspause$mmmm[LW] Assembli
.*4140 erung fortfuehrenmFeJ Abbruchm55
.*4160 surcecode : $Objectcode : $Symbo
.*4180 ltable: $Pass1m5Pass2m5, "M2mNä
.*41a0 m5mNümpmNm, "a 11 +m5a1jP4Nm5
.*41c0 J:++laEaF5 5XQaHPa-ö-ö mPü ß:en
.*41e0 öspeichen loeschen(j/n)?5555555
.*4200 55555555555555555555555555555555
```

READY.

```
Cx
PC IRQ BK AC XR YR SP NV#BDIZC
.;AB25 EA31 07 8D FF 1C FB *.**....*
.*0500 555 5G#4894555 50IZ/4/TU 1C/4/TCL8
```