

FAST DISK SET

Einsprung



Backup

1000	4C 27 14	JMP 1427	START
1003	20 96 0C	JSR 0C96	
1006	78	SEI	
1007	A9 0B	LDA #0B	
1009	8D 11 D0	STA D011	
100C	A9 23	LDA #23	
100E	8D 00 DD	STA DD00	
1011	AD 12 D0	LDA D012	
1014	D0 FB	BNE 1011	
1016	2C 00 DD	BIT DD00	
1019	70 FB	BVS 1016	
101B	A0 00	LDY #00	
101D	04 FE	STY FE	
101F	A9 19	LDA #19	
1021	85 FF	STA FF	
1023	20 1C 0A	JSR 0A1C	
1026	A6 04	LDX 04	
1028	A5 FE	LDA FE	
102A	E6 FF	INC FF	
102C	DD 32 0B	CMP 0B32,X	
102F	D0 F2	BNE 1023	
1031	A9 1B	LDA #1B	
1033	8D 11 D0	STA D011	
1036	60	RTS	
1037	A0 00	LDY #00	
1039	A5 FB	LDA FB	
103B	4A	LSR	
103C	4A	LSR	
103D	4A	LSR	
103E	4A	LSR	
103F	AB	TAY	
1040	A5 FB	LDA FB	
1042	29 0F	AND #0F	
1044	AA	TAX	
1045	B9 50 09	LDA 0950,Y	
1048	1D 60 09	BRA 0960,X	
104B	A0 00	LDY #00	
104D	91 FC	STA (FC),Y	
104F	8D 70 09	LDA 0970,X	
1052	4B	PHA	
1053	A5 F9	LDA F9	
1055	4A	LSR	
1056	4A	LSR	
1057	4A	LSR	
1058	4A	LSR	
1059	AB	TAY	
105A	A5 F9	LDA F9	
105C	29 0F	AND #0F	
105E	AA	TAX	
105F	6B	PLA	
1060	19 80 09	BRA 0980,Y	
1063	1D 90 09	BRA 0990,X	
1066	A0 01	LDY #01	
1068	91 FC	STA (FC),Y	
106A	A5 FA	LDA FA	
106C	4A	LSR	
106D	4A	LSR	
106E	4A	LSR	
106F	4A	LSR	
1070	AB	TAY	

1071	DD A0 09	LDA 09A0,X
1074	19 B0 09	BRA 09B0,Y
1077	BE 00 09	LDX 09C0,Y
107A	A0 02	LDY #02
107E	91 FC	STA (FC),Y
107E	A5 FA	LDA FA
1080	29 0F	AND #0F
1082	AB	TAY
1083	BA	TXA
1084	19 D0 09	BRA 09D0,Y
1087	4B	PHA
1088	A5 FB	LDA FB
108A	4A	LSR
108D	4A	LSR
108C	4A	LSR
108D	4A	LSR
108E	AA	TAX
108E	A5 FB	LDA FB
1091	29 0F	AND #0F
1093	AB	TAY
1094	8D F0 09	LDA 09F0,X
1097	19 00 0A	BRA 0A00,Y
109A	A0 04	LDY #04
109C	91 FC	STA (FC),Y
109E	4B	PLA
109F	1D E0 09	BRA 09E0,X
10A2	89	DEY
10A3	91 FC	STA (FC),Y
10A5	60	RTS
10A6	A7 30	LDA #30
10A8	85 01	STA 01
10AA	A9 00	LDA #00
10AC	85 FC	STA FC
10AE	A9 0B	LDA #0B
10B0	85 FD	STA FD
10B2	A0 00	LDY #00
10B4	A9 07	LDA #07
10B6	DD 05	BNE 10BD
10B8	A0 00	LDY #00
10BA	B1 FE	LDA (FE),Y
10BC	EB	INY
10BD	85 FB	STA FB
10BF	B1 FE	LDA (FE),Y
10C1	85 F9	STA F9
10C3	CB	INY
10C4	B1 FE	LDA (FE),Y
10C6	85 FA	STA FA
10CB	CB	INY
10C9	B1 FE	LDA (FE),Y
10CB	85 FB	STA FB
10CD	9B	TYR
10CE	3B	SEC
10CF	65 FE	ADC FE
10D1	85 FE	STA FE
10D3	20 37 10	JSR 1037
10D6	A5 FC	LDA FC
10DB	1B	CLD
10D9	69 05	ADC #05
10DB	85 FC	STA FC
10DD	90 02	BCC 10E1

10DF	E6 FD	INC ED
10E1	C9 40	UMP #4B
10E3	D0 D3	BNE 10B8
10E5	A0 00	LDY #00
10E7	B1 FE	LDA (FE),Y
10E9	85 F8	STA F8
10EB	20 37 10	JSR 1037
10EE	A4 FF	LDY FF
10F0	B9 00 16	LDA 1600,Y
10F3	BD 41 09	STA 0941
10F6	B9 00 17	LDA 1700,Y
10F9	BD 42 09	STA 0942
10FC	B9 00 18	LDA 1800,Y
10FF	BD 00 08	STA 0800
1102	E6 FE	INC FE
1104	A9 37	LDA #37
1106	85 01	STA 01
1108	EA	NOP
1109	20 37 15	JSR 1537
110C	A0 00	LDY #00
110E	A2 F0	LDY #F0
1110	EA	NOP
1111	EA	NOP
1112	EA	NOP
1113	A9 03	LDA #03
1115	BD 00 DD	STA DD00
1118	EA	NOP
1119	EA	NOP
111A	A9 23	LDA #23
111C	BD 00 DD	STA DD00
111F	24 93	BIT 93
1121	A9 03	LDA #03
1123	BD 00 DD	STA DD00
1126	EA	NOP
1127	A9 23	LDA #23
1129	BD 00 DD	STA DD00
112C	B9 00 08	LDA 0800,Y
112F	85 40	STA 40
1131	BF 00 DD	*SAX DD00
1134	4A	LSR
1135	4A	LSR
1136	BF 00 DD	*SAX DD00
1139	A5 40	LDA 40
113B	0A	ASL
113C	0A	ASL
113D	0A	ASL
113E	0A	ASL
113F	BD 00 DD	STA DD00
1142	4A	LSR
1143	4A	LSR
1144	BF 00 DD	*SAX DD00
1147	A9 03	LDA #03
1149	BD 00 DD	STA DD00
114C	EA	NOP
114D	2C 00 DD	BIT DD00
1150	30 00	BMI 1152
1152	CB	JNY
1153	D0 D7	BNE 112D
1155	A0 42	LDY #42
1157	B9 00 09	LDA 0900,Y
115A	D0 40	STA 40
115C	BF 00 DD	*SAX DD00

115F	4A 00 DD	LSR
1160	4A	LSR
1161	BF 00 DD	*SAX DD00
1164	A5 40	LDA 40
1166	0A	ASL
1167	0A	ASL
1168	0A	ASL
1169	0A	ASL
116A	BD 00 DD	STA DD00
116D	4A	LSR
116E	4A	LSR
116F	BF 00 DD	*SAX DD00
1172	A9 03	LDA #03
1174	BD 00 DD	STA DD00
1177	EA	NOP
1178	2E 00 DD	BIT DD00
117D	30 00	BMI 117D
117D	85	DEY
117E	10 D7	BPL 1157
1180	A9 23	LDA #23
1182	BD 00 DD	STA DD00
1185	40	RTS
1186	00	BRK
1187	00	BRK
1188	01 0C	ORA (0C,X)
118A	17 24	*SED 24,X
118C	00	BRK
118D	00	BRK
118E	00	BRK
118F	00	BRK
1190	A2 04	LDX #04
1192	DD 9F 11	EMP 119F,X
1195	0A	DEX
1196	B0 FA	BOS 1192
1198	BD 9C 11	LDA 119C,X
119B	40	RTS
119C	11 12	ORA (12),Y
119E	13 15	*SLD (15),Y
11A0	24 1F	BIT 1F
11A2	19 12 01	ORA 0112,Y
11A5	15	LDY #15
11A7	A9 00	LDA #00
11A9	99 E0 03	STA 03E0,Y
11AC	88	DEY
11AD	10 FA	BEL 11A9
11AF	A6 05	LDX #5
11B1	BD FF 11	LDA 11FF,X
11B4	85 06	STA 06
11B7	A9 00	LDA #00
11B8	85 07	STA 07
11BA	A5 05	LDA 05
11DE	20 90 11	JSR 1190
11E1	85 08	STA 08

auf Floppy warten
Index = 0
Maske = %11110000

6 Zyklen

4 Zyklen

3 Zyklen

2 Zyklen

Byte hole

High-Nibble isolieren
und senden
2 nach rechts
High-Nibble senden
unvoll. Byte

low-high

senden

High-Nibble senden

löschen

11C1	85 08	STA 09
11C3	A5 07	LDX 07
11C5	A4 06	LDY 06
11C7	64 06 18	LDA 1800, Y
11C9	29 FC 17	AND #FC
11CB	0D 22 12	CMF 1223, X
11CD	F0 03	BEQ 11D4
11D1	08	INY
11D3	00 F3	BNE 11C7
11D5	84 FF	STY FF
11D7	20 A6 10	JSR 10A6
11D9	A6 07	LDX 07
11DB	FE E0 03	INC 03E0, X
11DE	C4 05	DEC 09
11E0	F0 B9	BEQ 11FB
11E2	BA	TXA
11E3	18	CLC
11E4	69 04	ADC #04
11E6	C5 08	CMF 08
11E8	90 02	BCC 11EC
11EA	E5 08	SBC 08
11EC	AA	TAX
11ED	ED E0 03	LDA 03E0, X
11F0	F0 09	BEQ 11FB
11F2	E8	INX
11F3	E4 08	CPX 08
11F5	D8 F6	BNE 11ED
11F7	A2 00	LDX #00
11F9	F0 F2	BEQ 11ED
11FB	86 07	STX 07
11FD	4C C3 11	JMP 11C3

1200	19	2E	43	ORA	432E,Y
1203	5B			CLI	
1204	AD	B2	97	ADC	97B2
1207	AC	C1	D6	LDY	D6C1
1209	ED			***	
120B	19	2E	43	ORA	432E,Y
120E	5B			CLI	
120F	AD	B2	97	ADC	97B2
1212	AA			TAX	
1213	BD	D0	E3	LDA	E3D0,X
1216	19	2E	43	ORA	432E,Y
1219	51	53		EOR	(53),Y
121B	7D	B7		ADC	B7,X
121D	79	AB	BC	SRA	BCAB,Y
1220	CD	DE	EF	CMP	EFDE
1223	2B			PLP	
1224	2C	4B	4C	BIT	4C4B
1227	3B			SEC	
1229	3C	5B	5C	SKP	5C5B
122B	21	64		BIT	64
122D	6B			PLA	
122E	6C	34	74	JMP	(7434)
1231	7B			SEI	
1232	54	AB		SKP	AB
1233	AC	CB	CC	LDY	CCCB
1237	ED			CLV	
123E	5B	97	0C	JSR	0C97
123B	7D			SEI	
123C	A7	DE		LDA	DEA7

1241 00 11 00 STA D011
1242 00 23 LDA #23
1243 80 00 00 STA DD00
1244 AD 12 00 LDA DQ12
1245 00 FB BNE 1246
1246 00 20 00 BIT DD00
1247 70 FB BVS 124B
1248 00 04 LDX 04
1249 00 88 11 LDA 1188,X
1250 00 05 STA 05
1251 20 A5 11 JSR 11A5
1252 00 05 INC 05
1253 00 04 LDX 04
1254 00 05 LDA 05
1255 00 89 11 CMP 1189,X
1256 00 F2 BNE 1257
1257 00 1B LDA #1B
1258 80 01 00 STA D011
1259 00 00 RTS

JSR v. 1431

1260 00 00 LDA #00
1261 80 20 00 STA D020
1262 80 21 00 STA D021
1263 00 37 LDA #37
1264 00 01 STA 01
1265 00 FF LDX #FF
1266 00 00 NOP
1267 00 B2 LDA #B2
1268 00 12 LDY #12
1269 00 1E AB JMP AB1E
1270 00 00

1271 00 00
1272 00 00
1273 00 00
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1300 00 00
1301 00 00
1302 00 00
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1561 00 00
1562 00 00
1563 00 00
1564 00 00
1565 00 00
1566 00 00
1567 0

1304 A0 13 LDY #13
 1305 4C 1E AB JMP AB1E *ausgeben*
 1309 81 50 STA (50,X)
 130A *PRESS F1 TO WRITE AGAIN*
 1302 *JSR v. 1440* PHP *"Source/Dest Disk"*
 1303 A2 04 LDX #04 *Cursor = 214*
 1305 A0 02 LDY #02
 1307 20 0C E5 JSR E50C *Insert Source Disk*
 130A A9 84 LDA #84
 130C 29 PLP
 130D 90 02 BCC 13D1
 130F A9 4A LDA #4A *Dest. Disk*
 13D1 A0 13 LDY #13
 13D3 4C 1E AB JMP AB1E *drucken*
 13D4 *JSR v. 14DA* LDX #04
 13D5 A2 04 LDY #02
 13D6 A0 02 LDY #02 *Cursor = 214*
 13DA 20 0C E5 JSR E50C
 13DD A9 84 LDA #84
 13DF A0 13 LDY #13 *"END OF COPY"*
 13E1 4C 1E AB JMP AB1E
 13E4 9C ***
 13E4 3 END OF COPY...
 13E5 A2 04 LDX #04
 13E6 A0 02 LDY #02
 13E7 20 0C E5 JSR E50C
 13E8 A9 84 LDA #84
 13EA A0 14 LDY #14
 13EB 4C 1E AB JMP AB1E
 13EC 05 44 ORA 44
 13ED 1000 .DISK ERROR! ABORTED...

DISK ERROR

START

1427 *JMP v. 1400* JSR 0CB2
 1428 *JMP v. 1524* LDX #FF *Stapel-Init*
 1430 9A TXS
 1431 89 37 LDA #37 *Prozessorport-Init*
 1432 85 01 STA 01
 1433 *JMP v. 14F0* JSR 126B *Bildschirm*
 1434 A9 00 LDA #00 *Pass 1*
 1435 85 04 STA 04
 1436 85 04 STA 04
 1437 20 92 13 JSR 1392 *Pass-Nr. ausgeben*
 1438 18 CLC
 1439 20 7E 13 JSR 137E *READ ausgeben*
 143A 18 CLC
 143B 20 02 13 JSR 13C2 *INSERT SOURCE DISK*
 143C 20 E4 FF JSR FFE4
 143D C9 0D CMP #0D
 143E D0 F9 BNE 1443 *auf CR warten*
 143F 20 02 13 JSR 13C2
 1440 3B SEC
 1441 20 7E 13 JSR 137E *WRITE ausgehen*
 1442 3B SEC
 1443 20 02 13 JSR 13C2 *INSERT DESTINATION Disk*
 1444 20 E4 FF JSR FFE4
 1445 C9 0D CMP #0D
 1446 D0 F9 BNE 1443 *auf CR warten*
 1447 20 02 13 JSR 13C2
 1448 3B SEC
 1449 20 7E 13 JSR 137E
 144A 3B SEC
 144B 20 02 13 JSR 13C2
 144C 20 E4 FF JSR FFE4
 144D C9 0D CMP #0D
 144E D0 F9 BNE 1443
 144F 20 02 13 JSR 13C2
 1450 3B SEC
 1451 20 7E 13 JSR 137E
 1452 3B SEC
 1453 20 02 13 JSR 13C2
 1454 20 E4 FF JSR FFE4
 1455 C9 0D CMP #0D
 1456 D0 F9 BNE 1443
 1457 20 02 13 JSR 13C2
 1458 3B SEC
 1459 20 7E 13 JSR 137E
 145A 3B SEC
 145B 20 02 13 JSR 13C2
 145C 20 E4 FF JSR FFE4
 145D C9 0D CMP #0D
 145E D0 F9 BNE 1443
 145F 20 02 13 JSR 13C2
 1460 3B SEC
 1461 20 7E 13 JSR 137E
 1462 3B SEC
 1463 20 02 13 JSR 13C2
 1464 20 E4 FF JSR FFE4
 1465 C9 0D CMP #0D
 1466 D0 F9 BNE 1443
 1467 20 02 13 JSR 13C2
 1468 3B SEC
 1469 20 7E 13 JSR 137E
 146A 3B SEC
 146B 20 02 13 JSR 13C2
 146C 20 E4 FF JSR FFE4
 146D C9 0D CMP #0D
 146E D0 F9 BNE 1443
 146F 20 02 13 JSR 13C2
 1470 3B SEC
 1471 20 7E 13 JSR 137E
 1472 3B SEC
 1473 20 02 13 JSR 13C2
 1474 20 E4 FF JSR FFE4
 1475 C9 0D CMP #0D
 1476 D0 F9 BNE 1443
 1477 20 02 13 JSR 13C2
 1478 3B SEC
 1479 20 7E 13 JSR 137E
 147A 3B SEC
 147B 20 02 13 JSR 13C2
 147C 20 E4 FF JSR FFE4
 147D C9 0D CMP #0D
 147E D0 F9 BNE 1443
 147F 20 02 13 JSR 13C2
 1480 3B SEC
 1481 20 7E 13 JSR 137E
 1482 3B SEC
 1483 20 02 13 JSR 13C2
 1484 20 E4 FF JSR FFE4
 1485 C9 0D CMP #0D
 1486 D0 F9 BNE 1443
 1487 20 02 13 JSR 13C2
 1488 3B SEC
 1489 20 7E 13 JSR 137E
 148A 3B SEC
 148B 20 02 13 JSR 13C2
 148C 20 E4 FF JSR FFE4
 148D C9 0D CMP #0D
 148E D0 F9 BNE 1443
 148F 20 02 13 JSR 13C2
 1490 3B SEC
 1491 20 7E 13 JSR 137E
 1492 3B SEC
 1493 20 02 13 JSR 13C2
 1494 20 E4 FF JSR FFE4
 1495 C9 0D CMP #0D
 1496 D0 F9 BNE 1443
 1497 20 02 13 JSR 13C2
 1498 3B SEC
 1499 20 7E 13 JSR 137E
 149A 3B SEC
 149B 20 02 13 JSR 13C2
 149C 20 E4 FF JSR FFE4
 149D C9 0D CMP #0D
 149E D0 F9 BNE 1443
 149F 20 02 13 JSR 13C2
 14A0 3B SEC
 14A1 20 7E 13 JSR 137E
 14A2 3B SEC
 14A3 20 02 13 JSR 13C2
 14A4 20 E4 FF JSR FFE4
 14A5 C9 0D CMP #0D
 14A6 D0 F9 BNE 1443
 14A7 20 02 13 JSR 13C2
 14A8 3B SEC
 14A9 20 7E 13 JSR 137E
 14AA 3B SEC
 14AB 20 02 13 JSR 13C2
 14AC 20 E4 FF JSR FFE4
 14AD C9 0D CMP #0D
 14AE D0 F9 BNE 1443
 14AF 20 02 13 JSR 13C2
 14B0 3B SEC
 14B1 20 7E 13 JSR 137E
 14B2 3B SEC
 14B3 20 02 13 JSR 13C2
 14B4 20 E4 FF JSR FFE4
 14B5 C9 0D CMP #0D
 14B6 D0 F9 BNE 1443
 14B7 20 02 13 JSR 13C2
 14B8 3B SEC
 14B9 20 7E 13 JSR 137E
 14BA 3B SEC
 14BB 20 02 13 JSR 13C2
 14BC 20 E4 FF JSR FFE4
 14BD C9 0D CMP #0D
 14BE D0 F9 BNE 1443
 14BF 20 02 13 JSR 13C2
 14C0 3B SEC
 14C1 20 7E 13 JSR 137E
 14C2 3B SEC
 14C3 20 02 13 JSR 13C2
 14C4 20 E4 FF JSR FFE4
 14C5 C9 0D CMP #0D
 14C6 D0 F9 BNE 1443
 14C7 20 02 13 JSR 13C2
 14C8 3B SEC
 14C9 20 7E 13 JSR 137E
 14CA 3B SEC
 14CB 20 02 13 JSR 13C2
 14CC 20 E4 FF JSR FFE4
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 14D0 3B SEC
 14D1 20 7E 13 JSR 137E
 14D2 3B SEC
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 14D4 20 E4 FF JSR FFE4
 14D5 C9 0D CMP #0D
 14D6 D0 F9 BNE 1443
 14D7 20 02 13 JSR 13C2
 14D8 3B SEC
 14D9 20 7E 13 JSR 137E
 14DA 3B SEC
 14DB 20 02 13 JSR 13C2
 14DC 20 E4 FF JSR FFE4
 14DD C9 0D CMP #0D
 14DE D0 F9 BNE 1443
 14DF 20 02 13 JSR 13C2
 14E0 3B SEC
 14E1 20 7E 13 JSR 137E
 14E2 3B SEC
 14E3 20 02 13 JSR 13C2
 14E4 20 E4 FF JSR FFE4
 14E5 C9 0D CMP #0D
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 14E7 20 02 13 JSR 13C2
 14E8 3B SEC
 14E9 20 7E 13 JSR 137E
 14EA 3B SEC
 14EB 20 02 13 JSR 13C2
 14EC 20 E4 FF JSR FFE4
 14ED C9 0D CMP #0D
 14EE D0 F9 BNE 1443
 14EF 20 02 13 JSR 13C2
 14F0 3B SEC
 14F1 20 7E 13 JSR 137E
 14F2 3B SEC
 14F3 20 02 13 JSR 13C2
 14F4 20 E4 FF JSR FFE4
 14F5 C9 0D CMP #0D
 14F6 D0 F9 BNE 1443
 14F7 20 02 13 JSR 13C2
 14F8 3B SEC
 14F9 20 7E 13 JSR 137E
 14FA 3B SEC
 14FB 20 02 13 JSR 13C2
 14FC 20 E4 FF JSR FFE4
 14FD C9 0D CMP #0D
 14FE D0 F9 BNE 1443
 14FF 20 02 13 JSR 13C2
 1500 3B SEC
 1501 20 7E 13 JSR 137E
 1502 3B SEC
 1503 20 02 13 JSR 13C2
 1504 20 E4 FF JSR FFE4
 1505 C9 0D CMP #0D
 1506 D0 F9 BNE 1443
 1507 20 02 13 JSR 13C2
 1508 3B SEC
 1509 20 7E 13 JSR 137E
 150A 3B SEC
 150B 20 02 13 JSR 13C2
 150C 20 E4 FF JSR FFE4
 150D C9 0D CMP #0D
 150E D0 F9 BNE 1443
 150F 20 02 13 JSR 13C2
 1510 3B SEC
 1511 20 7E 13 JSR 137E
 1512 3B SEC
 1513 20 02 13 JSR 13C2
 1514 20 E4 FF JSR FFE4
 1515 C9 0D CMP #0D
 1516 D0 F9 BNE 1443
 1517 20 02 13 JSR 13C2
 1518 3B SEC
 1519 20 7E 13 JSR 137E
 151A 3B SEC
 151B 20 02 13 JSR 13C2
 151C 20 E4 FF JSR FFE4
 151D C9 0D CMP #0D
 151E D0 F9 BNE 1443
 151F 20 02 13 JSR 13C2
 1520 3B SEC
 1521 20 7E 13 JSR 137E
 1522 3B SEC
 1523 20 02 13 JSR 13C2
 1524 20 E4 FF JSR FFE4
 1525 C9 0D CMP #0D
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 1527 20 02 13 JSR 13C2
 1528 3B SEC
 1529 20 7E 13 JSR 137E
 152A 3B SEC
 152B 20 02 13 JSR 13C2
 152C 20 E4 FF JSR FFE4
 152D C9 0D CMP #0D
 152E D0 F9 BNE 1443
 152F 20 02 13 JSR 13C2
 1530 3B SEC
 1531 20 7E 13 JSR 137E
 1532 3B SEC
 1533 20 02 13 JSR 13C2
 1534 20 E4 FF JSR FFE4
 1535 C9 0D CMP #0D
 1536 D0 F9 BNE 1443
 1537 20 02 13 JSR 13C2
 1538 3B SEC
 1539 20 7E 13 JSR 137E
 153A 3B SEC
 153B 20 02 13 JSR 13C2
 153C 20 E4 FF JSR FFE4
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 153E D0 F9 BNE 1443
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 1542 3B SEC
 1543 20 02 13 JSR 13C2
 1544 20 E4 FF JSR FFE4
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 1546 D0 F9 BNE 1443
 1547 20 02 13 JSR 13C2
 1548 3B SEC
 1549 20 7E 13 JSR 137E
 154A 3B SEC
 154B 20 02 13 JSR 13C2
 154C 20 E4 FF JSR FFE4
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 154E D0 F9 BNE 1443
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 1550 3B SEC
 1551 20 7E 13 JSR 137E
 1552 3B SEC
 1553 20 02 13 JSR 13C2
 1554 20 E4 FF JSR FFE4
 1555 C9 0D CMP #0D
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 1557 20 02 13 JSR 13C2
 1558 3B SEC
 1559 20 7E 13 JSR 137E
 155A 3B SEC
 155B 20 02 13 JSR 13C2
 155C 20 E4 FF JSR FFE4
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 155E D0 F9 BNE 1443
 155F 20 02 13 JSR 13C2
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 1561 20 7E 13 JSR 137E
 1562 3B SEC
 1563 20 02 13 JSR 13C2
 1564 20 E4 FF JSR FFE4
 1565 C9 0D CMP #0D
 1566 D0 F9 BNE 1443
 1567 20 02 13 JSR 13C2
 1568 3B SEC
 1569 20 7E 13 JSR 137E
 156A 3B SEC
 156B 20 02 13 JSR 13C2
 156C 20 E4 FF JSR FFE4
 156D C9 0D CMP #0D
 156E D0 F9 BNE 1443
 156F 20 02 13 JSR 13C2
 1570 3B SEC
 1571 20 7E 13 JSR 137E
 1572 3B SEC
 1573 20 02 13 JSR 13C2
 1574 20 E4 FF JSR FFE4
 1575 C9 0D CMP #0D
 1576 D0 F9 BNE 1443
 1577 20 02 13 JSR 13C2
 1578 3B SEC
 1579 20 7E 13 JSR 137E
 157A 3B SEC
 157B 20 02 13 JSR 13C2
 157C 20 E4 FF JSR FFE4
 157D C9 0D CMP #0D
 157E D0 F9 BNE 1443
 157F 20 02 13 JSR 13C2
 1580 3B SEC
 1581 20 7E 13 JSR 137E
 1582 3B SEC
 1583 20 02 13 JSR 13C2
 1584 20 E4 FF JSR FFE4
 1585 C9 0D CMP #0D
 1586 D0 F9 BNE 1443
 1587 20 02 13 JSR 13C2
 1588 3B SEC
 1589 20 7E 13 JSR 137E
 158A 3B SEC
 158B 20 02 13 JSR 13C2
 158C 20 E4 FF JSR FFE4
 158D C9 0D CMP #0D
 158E D0 F9 BNE 1443
 158F 20 02 13 JSR 13C2
 1590 3B SEC
 1591 20 7E 13 JSR 137E
 1592 3B SEC
 1593 20 02 13 JSR 13C2
 1594 20 E4 FF JSR FFE4
 1595 C9 0D CMP #0D
 1596 D0 F9 BNE 1443
 1597 20 02 13 JSR 13C2
 1598 3B SEC
 1599 20 7E 13 JSR 137E
 159A 3B SEC
 159B 20 02 13 JSR 13C2
 159C 20 E4 FF JSR FFE4
 159D C9 0D CMP #0D
 159E D0 F9 BNE 1443
 159F 20 02 13 JSR 13C2
 15A0 3B SEC
 15A1 20 7E 13 JSR 137E
 15A2 3B SEC
 15A3 20 02 13 JSR 13C2
 15A4 20 E4 FF JSR FFE4
 15A5 C9 0D CMP #0D
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 15A7 20 02 13 JSR 13C2
 15A8 3B SEC
 15A9 20 7E 13 JSR 137E
 15AA 3B SEC
 15AB 20 02 13 JSR 13C2
 15AC 20 E4 FF JSR FFE4
 15AD C9 0D CMP #0D
 15AE D0 F9 BNE 1443
 15AF 20 02 13 JSR 13C2
 15B0 3B SEC
 15B1 20 7E 13 JSR 137E
 15B2 3B SEC
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 15B8 3B SEC
 15B9 20 7E 13 JSR 137E
 15BA 3B SEC
 15BB 20 02 13 JSR 13C2
 15BC 20 E4 FF JSR FFE4
 15BD C9 0D CMP #0D
 15BE D0 F9 BNE 1443
 15BF 20 02 13 JSR 13C2
 15C0 3B SEC
 15C1 20 7E 13 JSR 137E
 15C2 3B SEC
 15C3 20 02 13 JSR 13C2
 15C4 20 E4 FF JSR FFE4
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 15C6 D0 F9 BNE 1443
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 15C8 3B SEC
 15C9 20 7E 13 JSR 137E
 15CA 3B SEC
 15CB 20 02 13 JSR 13C2
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 15D9 20 7E 13 JSR 137E
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 161F 20 02 13 JSR 13C2
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 1621 20 7E 13 JSR 137E
 1622 3B SEC
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 1624 20 E4 FF JSR FFE4
 1625 C9 0D CMP #0D
 1626 D0 F9 BNE 1443
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 1628 3B SEC
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 162A 3B SEC
 162B 20 02 13 JSR 13C2
 162C 20 E4 FF JSR FFE4
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 162E D0 F9 BNE 1443
 162F 20 02 13 JSR 13C2
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 1636 D0 F9 BNE 1443
 1637 20 02 13 JSR 13C2
 1638 3B SEC
 1639 20 7E 13 JSR 137E
 163A 3B SEC
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 166A 3B SEC
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 166C 20 E4 FF JSR FFE4
 166D C9 0D CMP #0D
 166E D0 F9 BNE 1443
 166F 20 02 13 JSR 13C2
 1670 3

1450	4C 31 14	JMP 1431	Anfang
14F3	00	BRK	
1500	A2 01	LDX #09	Zeile lösche
1502	A0 0F	LDY #0F	Cursor = 15/8
1504	20 0C E5	JSR E50C	
1507	A9 20	LDA #20	
1509	A0 17	LDY #17	
150B	20 D2 FF	JSR FFD2	Zeile (F1 TOWR.)
150E	58	DEY	löschen
150F	D0 FA	BNE 150B	
1511	60	RTS	
1512	JSR v. 147A	JSR 1500	F1 TOWR. löschen
1515	C6 04	DEC #4	Pass - 1
1517	20 92 13	JSR 1392	Pass-Nr. ausgeben
151A	38	SEC	
151B	20 7E 13	JSR 137E	WRITE
151E	38	SEC	
151F	4C 02 13	JMP 1302	DEST
1522	20 FE 13	JSR 13FE	DISK ERROR
1525	20 00 15	JSR 1500	Zeile lösche
1528	A9 1B	LDA #1B	
152A	8D 11 D0	STA D01	Screen an
152D	20 E4 FF	JSR FFE4	auf CR
1530	C9 0D	CMP #0D	warten
1532	D0 F9	BNE 152D	
1534	4C 2A 14	JMP 142A	nochmal von vorn
1537	JSR v. 1109	LDY #00	auf Floppy warten
1539	A2 00	LDX #00	
153B	2C 00 D0	BIT D000	reagiert
153E	70 D1	BVS 1511	Floppy?
1540	CA	DEY	ja: RTS
1541	80 F8	BNE 153E	nein:
1543	88	DEY	
1544	D0 F5	BNE 153B	
1546	A2 04	LDX #04	Cursor = 2/4
1548	A0 02	LDY #02	
154A	20 0C E5	JSR E50C	
154D	A9 0C	LDA #0C	
154F	A0 14	LDY #14	DISK ERROR
1551	20 1E AD	JSR AD1E	
1554	A9 1B	LDA #1B	Screen an
1556	8D 11 D0	STA D01	
1559	20 E4 FF	JSR FFE4	auf CR
155C	C9 0D	CMP #0D	warten
155E	D0 F9	BNE 1550	
1560	A6 04	LDX #04	Pass
1562	D0 03	BNE 1537	+0
1564	4C 5F 14	JMP 145F	
1567	CA	DEX	
156B	D0 03	BNE 156D	+1
156A	4C 9B 14	JMP 149B	
1570	4C D7 14	JMP 14D7	
1576	00	BRK	