

```

10 REM *****
20 REM * geschrieben von i *
30 REM * Oliver Buttorp *
40 REM * Johannstr. 64 *
50 REM * 5024 Pulheim *
60 REM * Tel.: 02338/56368 *
70 REM *****
80 REM
90 MEMORY &9FFF
100 FOR i=&A000 TO &A120
110 READ a$:POKE i,VAL(CHR$(38)+a$):NEXT i
120 CALL &A000:END
130 DATA 01,09,A0,21,3A,A0,C3,D1,BC,1D
140 DATA A0,C3,3E,A0,C3,88,A0,C3,95,A0
150 DATA C3,AF,A0,C3,08,A0,C3,FB,00,46
160 DATA 4F,52,4D,41,04,52,45,41,C4,57
170 DATA 52,49,54,C5,47,45,54,49,C4,43
180 DATA 41,4C,CC,55,53,43,52,00,00,00
190 DATA 00,00,FE,9C,C0,DD,54,00,DD,5E
200 DATA 02,DD,7E,04,05,FD,4A,11,16,00
210 DATA DD,EE,E1,19,51,DD,21,1F,A1,47
220 DATA 7E,DD,72,00,DD,34,01,00,DD,77
230 DATA 02,DD,36,03,02,DD,23,DD,23,DD
240 DATA 23,DD,23,28,28,10,EE,F1,FE,09
250 DATA 28,04,3E,01,18,02,3E,C1,DF,00
260 DATA A1,01,21,1F,A1,5F,10,A1,C9,FE
270 DATA 04,C0,CD,9F,A0,DF,07,A1,C9,FE
280 DATA 04,C0,CD,9F,A0,DF,0A,A1,C9,DD
290 DATA 6E,04,DD,6A,07,DD,5E,04,DD,5A
300 DATA 02,DD,4E,00,C9,FE,03,C0,DD,5A
310 DATA 00,DD,5E,02,DD,6E,04,DD,6A,05
320 DATA E5,DF,14,A1,E1,3A,00,0A,0A,E5
330 DATA C5,DF,13,A1,C1,E1,30,00,3A,51
340 DATA BE,23,77,10,F0,C9,3A,FF,C9,FE
350 DATA 05,C0,DD,6E,08,DD,6A,09,E5,DD
360 DATA 7E,04,DD,4A,05,DD,4E,04,DD,3A
370 DATA 03,DD,58,02,DD,6A,01,DD,6E,00
380 DATA C9,FE,01,C0,2A,7D,BE,23,DD,7E
390 DATA 00,77,C9,6A,C6,07,4E,C6,07,81
400 DATA C5,07,32,C6,07,5D,C5,07,43,C7
410 DATA 07,72,CA,07,03,C6,07,00,00,00

```

**Listing 1. Wenige DATA-Zeilen erzeugen  
die neuen RSX-Befehle**

```

10 REM *****
20 REM *
30 REM * Demoprogramm *
40 REM * fuer die Disk-Basic- *
50 REM * Erweiterung *
60 REM * von :Oliver Sultorp *
70 REM * Johannesstr. 64 *
80 REM * 5024 Pullheim 1 *
90 REM * Tel.:02238/36368 *
100 REM *
110 REM *****
120 REM
130 REM fuer die Benutzung dieses
140 REM Programms muss die Basic-
150 REM Erweiterung bereits
160 REM initialisiert sein !!!!
170 REM
180 INK 0,0:INK 1,13:INK 2,6:INK 3,26
190 BORDER 0:PAPER 0:PEN 1
200 CLEAR:DIM arr(6),id(3,9),t(9)
210 REM
220 REM Bildschirmaufbau
230 REM
240 DATA " Diskette formatieren "
250 DATA " Track formatieren "
260 DATA " Sektor ID's lesen "
270 DATA " Track kopieren "
280 DATA " Sektor kopieren "
290 DATA " Format ermitteln "
300 MODE 1
310 RESTORE 240:FOR y=6 TO 16 STEP 2:REA
D arr(y/2-2):GOSUB 390:NEXT y=6
320 PLOT 90,340,2:DRAW 420,0:DRAW 0,-2
30:DRAW -420,0:DRAW 0,230
330 LOCATE 14,1:PEN 3:PRINT"Demoprogram
":PEN 1
340 LOCATE 9,y:PRINT CHR$(24):GOSUB 390
:PRINT CHR$(24)
350 IF INKEY(0)=0 AND y>6 THEN GOSUB 390
:y=y-2:GOTO 340
360 IF INKEY(2)=0 AND y<16 THEN GOSUB 39
0:y=y+2:GOTO 340
370 IF INKEY(9)=0 THEN 400
380 GOTO 330
390 LOCATE 9,y:PRINT arr(y/2-2):RETURN
400 FOR warte=1 TO 200:NEXT warte
410 CALL SBR00:DN y/2-2 GOTO 510,610,670
,740,920,1030
420 REM ***
430 REM * Diskette formatieren *
440 REM ***
450 REM Vendor Format

```

```

[D982]
[32F4]
[93CA]
[FBCE]
[D25C]
[CABA]
[1504]
[78A0]
[242C]
[AE12]
[8BF4]
[5C2E]
[733C]
[5C0C]
[0F60]
[5A50]
[6A38]
[BB2E]
[CD70]
[8496]
[652E]
[4A5A]
[6332]
[C3DA]
[614C]
[BD90]
[CD70]
[9DDA]
[23AC]
[9852]
[007C]
[0F4C]
[0046]
[BF00]
[ASE4]
[7D44]
[FF26]
[C050]
[C0E6]
[3AF6]
[0990]
[6DEC]
[8290]
[DF00]
[6560]

```

```

460 DATA 541,543,545,547,549,542,544,546
,548,9
470 REM DATA Format
480 DATA 5C1,5C3,5C5,5C7,5C9,5C2,5C4,5C6
,5C8,9
490 REM IBM Format
500 DATA 1,3,5,7,9,2,4,6,8,0,8
510 RESTORE 460
520 FOR format TO 3:FOR id=1 TO 9:READ i
d(format,id):NEXT READ and format:NEXT
LOCATE 1,22:INPUT "Format (1=Vendor
?Data 3=IBM) : ",form
530
540 FOR track=0 TO 39
550 :FORMAT,id(form,1),id(form,2),idfor
m,3,id(form,4),id(form,5),id(form,6
),id(form,7),id(form,8),id(form,9),a
nd form,0,track
560 NEXT
570 LOCATE 1,20:PRINT CHR$(20):GOTO 350
580 REM ***
590 REM * Track formatieren *
600 REM ***
610 DOSUB 1160:FOR i=1 TO 9:DOSUB 1210:IN
EXT:DOSUB 1130
620 :FORMAT,i(1),i(2),i(3),i(4),i(5),i(6
),i(7),i(8),i(9),0,0 track
630 LOCATE 1,20:PRINT CHR$(20):GOTO 350
640 REM ***
650 REM * Sektor ID's lesen *
660 REM ***
670 GOSUB 1160:LOCATE 6,20:PRINT"Von Tra
ck ":track:track=track
680 GOSUB 1160:LOCATE 20,20:PRINT" bis T
rack ":track
690 GOSUB 1130:MODE 2
700 FOR i=track0 TO track:IDETID,&9000,0
,i
710 PRINT"Track ":i,IF PEEK(16900)<>0 Y
HEN PRINT"unformatiert":GOTO 730
720 FOR t=5001 TO 5009:PRINT HEX$(PEEK
(t))," ":NEXT:PRINT
730 NEXT
740 PRINT:PRINT:PRINT TAB(20):GOSUB 120
0:GOTO 300
750 REM ***
760 REM * Track kopieren *
770 REM ***
780 GOSUB 1160:LOCATE 6,20:PRINT"Quelle tr

```

Listing 2. Aus dieser Demonstration lässt sich vieles machen

```

ack="":track [E498]
790 GOSUB 1130:IDETID,&0000,0,track [E6FE]
800 IF PEEK(&0000)<>0 THEN PRINT CHR$(7): [119A]
:GOTO 880 [E688]
810 buffer=&0010:ID=&0001:FOR I=0 TO 8 [E688]
820 :READ,buffer+i*512,0,track,PEEK(ID+I [D2CE]
):NEXT [D2CE]
830 GOSUB 1160:LOCATE 8,20:PRINT CHR$(18 [36DE]
):":eltrack=":track [2068]
840 GOSUB 1130:buffer=&0010:ID=&0001 [2068]
850 :FORMAT,PEEK(ID),PEEK(ID+1),PEEK(ID+ [2068]
2),PEEK(ID+3),PEEK(ID+4),PEEK(ID+5), [2068]
PEEK(ID+6),PEEK(ID+7),PEEK(ID+8),9,0 [2068]
,track [81CE]
860 FOR I=0 TO 8 [C96C]
870 :WRITE,buffer+i*512,0,track,PEEK(ID+ [3CB6]
I):NEXT [3CB6]
880 LOCATE 1,20:PRINT CHR$(20):GOTO 350 [433A]
890 REM *** [D0C2]
900 REM * Sektor kopieren * [E78C]
910 REM *** [88B4]
920 LOCATE 1,20:PRINT"Von":GOSUB 970 [5514]
930 :READ,&0000,0,track,sektor [4CA0]
940 LOCATE 1,20:PRINT CHR$(20);"Nach":80 [53C4]
SUB 970 [2782]
950 :WRITE,&0000,0,track,sektor [A738]
960 LOCATE 1,20:PRINT CHR$(20):GOTO 350 [BEFA]
970 GOSUB 1160:LOCATE 8,20:PRINT CHR$(20 [9CEA]
):"Track ":track [7182]
980 GOSUB 1180:LOCATE 15,20:PRINT", Sekt [CB42]
or ":sektor [E7AE]
990 GOSUB 1130:RETURN [3346]
1000 REM *** [3346]
1010 REM * Format ermitteln * [3346]
1020 REM *** [3346]
1030 GOSUB 1130:buffer=&0000:drive=0:tra

```

```

ck=0 [7B4C]
1040 IDETID,buffer,drive,track:IF PEEK(b [7B4C]
uffer)<>0 THEN PRINT CHR$(7):GOTO 1 [7B4C]
030 [7AF4]
1050 IF PEEK(buffer+1)>192 THEN format= [7AF4]
"DATA":GOTO 1070 [7AF4]
1060 IF PEEK(buffer+1)>64 THEN format=" [7AF4]
SYSTEM" ELSE format="IBM" [7AF4]
1070 LOCATE 7,22:PRINT CHR$(17);CHR$(18 [7AF4]
):"Diskettenformat : ";format [7AF4]
1080 PEN 3:LOCATE 9,24:PRINT"Bitte Taste [7AF4]
druecken":PEN 1 [7AF4]
1090 CALL &B006:LOCATE 1,22:PRINT CHR$(2 [7AF4]
0):GOTO 340 [7AF4]
1100 REM *** [7AF4]
1110 REM * Unterprogramme * [7AF4]
1120 REM *** [7AF4]
1130 LOCATE 1,22:PRINT TAB(5);"Diskette [7AF4]
eingelegt ?": [7AF4]
1140 PEN 3:PRINT "<3><Taste>":PEN 1 [7AF4]
1150 CALL &B006:RETURN [7AF4]
1160 LOCATE 1,22:PRINT CHR$(20);TAB(8): [7AF4]
INPUT "Track (0-42) : ";track [7AF4]
1170 IF track<0 OR track>42 THEN 1160 EL [7AF4]
SE RETURN [7AF4]
1180 LOCATE 1,22:PRINT CHR$(20);TAB(8): [7AF4]
INPUT "Sektor : ";sektor [7AF4]
1190 IF sektor<0 OR sektor>254 THEN 1180 [7AF4]
ELSE RETURN [7AF4]
1200 PRINT"Bitte Taste druecken":CALL &B [7AF4]
006:RETURN [7AF4]
1210 LOCATE 1,22:PRINT CHR$(20);TAB(8): [7AF4]
INPUT "Sektor ID : ";ID:RETURN [7AF4]

```

**Listing 2. Aus dieser Demonstration lässt sich vieles machen (Schluß)**