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10 REM Raster-Designer [825]
20 REM [272]
30 REM Uebergibt das Raster im Data-Feld i [4045]
n r*
40 REM Die Zahlen in den Datas geben die F [3227]
arbnummer
50 REM in Hexadezimalen Ziffern an. [2078]
60 REM [272]
70 REM [272]
80 REM [272]
90 INPUT "Mode (0-2) ";a:IF a<0 OR a>2 THE [1816]
N 90
100 MODE a:DEFINT v:v=0:READ x,y:r*=STRING [3487]
$(x,1)' obere i-er Reihe
110 RESTORE 150 [749]
120 REM Zuerst die Groesse des Rasters: [2437]
130 DATA 12,12 [413]
140 REM dann die Farbdaten [1300]
150 DATA 123456789ABC [894]
160 DATA 23456789ABCD [668]
170 DATA 3456789ABCDE [757]
180 DATA 456789ABCDEF [1360]
190 DATA 56789ABCDEF0 [695]
200 DATA 6789ABCDEF01 [901]
210 DATA 789ABCDEF012 [1228]
220 DATA 89ABCDEF0123 [228]
230 DATA 9ABCDEF01234 [815]
240 DATA ABCDEF012345 [326]
250 DATA BCDEF0123456 [1001]
260 DATA CDEF01234567 [814]
270 FOR n=1 TO y:READ a$:IF LEN(a$)<>x THE [3303]
N PRINT"DATA ERROR !":END
280 FOR m=1 TO x:a=VAL("&"MID$(a$,m,1)): [2706]
ENCODE,a,@v
290 r*=r*+CHR$(v):NEXT m:NEXT n [2134]
300 r*=r*+STRING$(x,1) [972]
310 !PRASTER,160,100,@r*:END [1474]

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10 MEMORY &8FFF [207]
20 DATA 21,00,00,22,12,90,01,14,90,21,0 [3184]
8,91,CD,D1,BC,C3,D5,95,1739
30 DATA 00,00,70,90,C3,35,91,C3,3F,91,C [2783]
3,49,91,C3,57,91,C3,65,2188
40 DATA 91,C3,A9,91,C3,BE,91,C3,D6,91,C [2523]
3,EF,91,C3,04,92,C3,4A,2931
50 DATA 92,C3,63,92,C3,8B,92,C3,A9,92,C [2830]
3,D4,92,C3,E9,92,C3,02,2900
60 DATA 93,C3,0D,93,C3,26,93,C3,2D,93,C [2566]
3,32,93,C3,3F,93,C3,44,2329
70 DATA 93,C3,53,93,C3,92,93,C3,AA,93,C [2554]
3,13,9C,C3,D3,9D,C3,39,2757
80 DATA 9E,C3,88,9E,54,44,52,41,D7,54,4 [2584]
4,52,41,57,D2,57,44,52,1994
90 DATA 41,D7,57,44,52,41,57,D2,54,57,4 [3229]
4,52,41,D7,42,55,46,46,1771
100 DATA 45,D2,42,45,45,C8,42,4F,4B,C5,4 [2791]
C,45,CE,45,4E,C7,42,52,1948
110 DATA 45,49,D4,57,41,4E,44,45,CC,44,5 [3556]
2,45,48,C5,52,45,43,48,1703
120 DATA 54,D3,46,49,4C,CC,56,4F,52,4E,C [4230]
5,48,49,4E,54,45,CE,53,1905
130 DATA 43,52,44,45,C6,53,43,52,B1,53,4 [2658]
3,52,B2,52,45,49,CE,52,1815
140 DATA 41,55,D3,43,48,41,4E,47,C5,57,4 [3232]
9,44,54,C8,45,4E,43,4F,1716
150 DATA 44,C5,47,4D,4F,44,55,D3,50,46,4 [3826]
5,49,CC,5A,45,49,47,C5,1852
160 DATA 50,52,41,53,54,45,D2,52,46,49,4 [2621]
C,CC,00,00,00,00,00,00,1178
170 DATA 00,00,C3,96,C3,96,6B,0C,72,0C,7 [2199]
7,0C,7D,0C,F7,93,C3,00,1792
180 DATA 00,00,00,00,00,00,00,00,00,00,0 [2194]
0,00,94,CA,80,FC,16,FE,1006
190 DATA 95,0B,FE,CD,52,94,CD,F6,BB,CD,C [2541]
7,95,C9,CD,52,94,CD,F9,3130
200 DATA BB,CD,C7,95,C9,FE,03,C2,DD,93,C [3054]
D,01,94,CD,F6,BB,C3,C7,3146
210 DATA 95,FE,03,C2,DD,93,CD,01,94,CD,F [3848]
9,BB,C3,C7,95,FE,09,C2,2963
220 DATA DD,93,DD,5E,10,DD,56,11,DD,6E,0 [3152]
E,DD,66,0F,CD,C0,BB,CD,2495
230 DATA 8C,95,CD,48,95,DD,6E,0A,DD,66,0 [2875]
B,DD,5E,0C,DD,56,0D,CD,2242
240 DATA F6,BB,CD,C7,95,DD,6E,06,DD,66,0 [3249]
7,DD,5E,08,DD,56,09,CD,2497
250 DATA CA,C0,BB,CD,01,94,CD,F6,BB,C3,C7,9 [1903]
5,FE,01,C2,DD,93,DD,6E,3062
260 DATA 00,DD,66,01,CD,67,95,22,10,91,2 [3203]

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2,12,91,C9,FE,02,C2,DD,2045
270 DATA 93,DD,6E,02,DD,66,03,CD,59,95,C [2982]
D,6E,95,7E,CD,2F,BC,C3,2474
280 DATA 9D,93,FE,02,C2,DD,93,DD,6E,02,D [2625]
D,66,03,CD,59,95,CD,6E,2539
290 DATA 95,DD,7E,00,CD,2C,BC,77,C9,FE,0 [2948]
1,C2,DD,93,2A,12,91,CD,2480
300 DATA 76,95,EB,DD,6E,00,DD,66,01,C3,8 [3493]
0,95,FE,02,C2,DD,93,DD,2668
310 DATA 66,02,2E,00,22,27,91,2A,10,91,5 [3306]
4,5D,01,80,02,ED,A0,E2,1502
320 DATA 31,92,D5,ED,5B,27,91,1C,7A,BB,2 [2986]
0,1B,23,1E,00,0B,78,B1,1689
330 DATA 20,13,D1,B7,ED,52,44,4D,62,6B,1 [2977]
3,DD,7E,00,CD,2C,BC,77,2034
340 DATA ED,B0,C9,ED,53,27,91,D1,18,CF,2 [3637]
1,80,02,CD,6E,95,EB,21,2453
350 DATA 40,01,CD,6E,95,01,80,02,ED,A8,2 [3066]
3,ED,A8,EA,5A,92,C9,FE,2430
360 DATA 04,C2,DD,93,DD,7E,04,CD,2C,BC,5 [4139]
F,DD,7E,06,CD,2C,BC,F5,2484
370 DATA D5,CD,1A,94,D1,F1,04,BE,CC,89,9 [3081]
2,23,0D,20,F8,05,20,F5,2333
380 DATA C9,73,C9,FE,02,C2,DD,93,CD,1A,9 [2057]
4,E5,50,59,19,EB,E1,CB,2800
390 DATA 3B,CB,19,1A,ED,A0,1B,1B,2B,77,2 [2042]
3,EA,9D,92,C9,FE,03,C2,2147
400 DATA DD,93,DD,5E,00,DD,56,01,DD,6E,0 [3707]
2,DD,66,03,19,E5,4B,42,2045
410 DATA DD,5E,04,DD,56,05,19,CD,59,95,C [2968]
D,6E,95,EB,E1,CD,6E,95,2487
420 DATA 03,ED,BB,C9,FE,03,C2,DD,93,CD,1 [2437]
A,94,54,5D,13,DD,7E,04,2370
430 DATA CD,2C,BC,77,ED,B0,C9,CD,32,94,D [3031]
5,E5,21,80,02,59,50,B7,2530
440 DATA ED,52,44,4D,E1,D1,CB,CA,CD,6A,9 [3345]
4,C3,FA,91,CD,32,94,CB,2958
450 DATA 8A,CD,6A,94,C3,FA,91,FE,01,C2,D [3351]
D,93,DD,6E,00,DD,66,01,2659
460 DATA CD,67,95,EB,21,00,C0,B7,ED,52,2 [2908]
2,0E,91,C9,21,00,00,22,1880
470 DATA 0C,91,C9,2A,0E,91,18,F7,21,3B,9 [2934]
3,22,AF,94,C3,96,94,EB,2154
480 DATA ED,B0,C9,21,3C,93,18,F1,21,49,9 [3796]
3,18,EC,1A,ED,A0,2B,77,2217
490 DATA 23,EA,49,93,C9,FE,02,C2,DD,93,D [3199]
D,7E,02,B7,28,24,3A,29,2215
500 DATA 91,B7,20,11,2A,EB,95,22,FA,95,2 [3234]
1,EC,95,22,EB,95,3E,FF,2383
510 DATA 32,29,91,DD,7E,00,32,2B,91,DD,7 [3439]
E,02,32,2A,91,C9,3A,29,1707
520 DATA 91,B7,C8,2A,FA,95,22,EB,95,AF,3 [2826]
2,29,91,C9,FE,02,C2,DD,2667
530 DATA 93,DD,7E,02,CD,2C,BC,5F,16,00,D [3052]
D,6E,00,DD,66,01,CD,80,2038
540 DATA 95,C9,FE,01,C2,DD,93,DD,7E,00,E [3145]
6,07,2A,14,91,28,16,FE,2274
550 DATA 02,2A,16,91,38,0F,2A,18,91,28,0 [2587]
A,FE,03,2A,1A,91,28,03,1056
560 DATA 2A,1C,91,3A,29,91,B7,28,04,22,F [3336]
A,95,C9,22,EB,95,C9,1E,1966
570 DATA 02,DF,2C,91,CB,09,D0,23,3A,C8,B [3148]
1,FE,01,3E,88,28,06,3C,1865
580 DATA AA,38,02,3E,80,4F,C9,78,B7,C8,7 [2746]
E,A8,B1,A9,A8,77,C9,DD,2550
590 DATA 6E,00,DD,66,01,CD,4F,95,CD,A7,9 [3601]
5,DD,6E,02,DD,66,03,DD,2268
600 DATA 5E,04,DD,56,05,C9,DD,6E,02,DD,6 [4310]
6,03,DD,5E,00,DD,56,01,1893
610 DATA D5,E5,19,CD,59,95,E1,CD,6E,95,C [2526]
1,C9,FE,04,C2,DD,93,DD,3034
620 DATA 6E,06,DD,66,07,44,4D,CD,59,95,C [4391]
D,6E,95,DD,5E,04,DD,7E,2164
630 DATA 02,16,00,B7,C8,CB,C2,C9,FE,02,C [2161]
2,DD,93,CD,8C,95,CD,48,2594
640 DATA 95,DD,6E,00,DD,66,01,DD,5E,02,D [3626]
D,56,03,C9,7B,CD,2C,BC,2192
650 DATA 5F,7B,CB,42,28,03,BE,18,08,BE,2 [3320]
0,04,3D,C3,7F,94,AF,28,1724
660 DATA 11,CB,4A,28,03,23,18,01,2B,0B,7 [2376]
8,B1,20,E1,21,FF,FF,C9,1749
670 DATA CD,76,95,C9,FE,06,28,18,B7,C2,D [3112]
D,93,21,00,C0,E5,ED,5B,2524
680 DATA 0E,91,B7,ED,52,EB,E1,01,FF,3F,C [4515]
D,00,00,C9,21,C8,B1,7E,2382
690 DATA 32,21,91,3E,02,77,DD,7E,08,DD,9 [3267]
6,0A,DA,39,95,DD,86,02,1928
700 DATA FE,52,D2,39,95,DD,7E,04,DD,96,0 [2565]
6,DA,39,95,DD,86,00,FE,2513

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710 DATA 1B,D2,39,95,DD,6E,00,DD,66,02,2 [3324]
D,25,CD,1A,BC,ED,5B,0E,1942
720 DATA 91,B7,ED,52,E5,DD,66,0A,DD,6E,0 [2016]
6,DD,56,08,DD,5E,04,25,2217
730 DATA 2D,15,1D,DF,32,91,ED,53,23,91,D [3435]
1,E5,B7,ED,52,22,25,91,2169
740 DATA E1,0E,00,3A,23,91,47,C5,41,3A,2 [3769]
4,91,4F,E5,CD,AE,94,E1,2109
750 DATA CD,26,BC,E5,ED,5B,25,91,B7,ED,5 [2921]
2,EB,E1,C1,10,E5,3A,21,2661
760 DATA 91,32,C8,B1,C9,CD,32,95,C3,DD,9 [2713]
3,B7,21,00,00,C8,2A,0E,2212
770 DATA 91,C9,2A,10,91,22,12,91,C9,CD,5 [2816]
9,95,CD,6E,95,22,12,91,2051
780 DATA C9,7C,FE,02,D8,C2,DD,93,7D,FE,8 [4841]
1,D8,C3,DD,93,7C,FE,04,3088
790 DATA D0,C3,DD,93,D5,ED,5B,10,91,19,D [4052]
1,C9,D5,ED,5B,10,91,B7,2793
800 DATA ED,52,D1,C9,2B,7E,FE,01,C2,DD,9 [4013]
3,23,73,23,72,C9,CD,C0,2612
810 DATA 95,3A,C8,B1,21,4E,96,FE,02,28,0 [3257]
A,21,6B,96,FE,01,28,03,1739
820 DATA 21,94,96,22,EB,95,C9,CD,C0,95,3 [4281]
A,C8,B1,21,12,96,FE,02,2385
830 DATA 28,EF,21,3E,96,FE,01,28,E8,21,4 [3640]
6,96,18,E3,2A,E8,95,22,2012
840 DATA 1F,91,C9,2A,1F,91,22,E8,95,C9,2 [2849]
1,DD,95,22,CD,B1,C9,2A,2273
850 DATA CD,B1,22,E8,95,18,F1,E5,D5,ED,5 [4229]
B,0C,91,B7,ED,52,D1,CD,2905
860 DATA 00,00,E1,C9,D5,3A,2B,91,5F,3A,2 [4521]
A,91,57,E5,C5,E5,C5,CD,2369
870 DATA 00,00,CD,E2,93,15,20,F7,C1,E1,C [2991]
D,26,BC,3A,2A,91,57,1D,2088
880 DATA 20,E9,C1,E1,D1,C9,D5,C5,3E,80,0 [4074]
6,08,ED,5B,12,91,D5,FD,2664
890 DATA E1,E5,5F,CB,01,30,0B,C5,4B,FD,4 [3359]
6,00,FD,23,CD,1E,91,C1,2268
900 DATA CB,0B,10,ED,FD,E5,E1,22,12,91,E [2508]
1,C1,D1,C9,D5,C5,3E,88,2807
910 DATA 06,04,18,D2,D5,C5,3E,AA,06,02,1 [3619]
8,CA,D5,E5,C5,56,1E,80,2003
920 DATA 06,08,CB,01,30,09,7A,A3,28,02,3 [2296]
E,FF,CD,BA,96,CB,0B,10,1690
930 DATA EF,C1,E1,D1,C9,D5,C5,E5,56,1E,8 [2894]
8,06,04,CB,01,30,15,7A,2363
940 DATA A3,6F,0F,B5,0F,B5,0F,B5,6B,CB,0 [3677]
3,38,03,07,18,F9,5D,CD,1812
950 DATA BA,96,CB,0B,10,E3,E1,C1,D1,C9,D [3303]
5,C5,E5,56,1E,AA,06,02,2554
960 DATA CB,01,30,12,7A,A3,6F,0F,B5,6B,C [2453]
B,03,38,04,CB,07,18,F8,1717
970 DATA 5D,CD,BA,96,CB,0B,10,E6,E1,C1,D [2450]
1,C9,2A,12,91,77,23,22,2315
980 DATA 12,91,C9,00,00,00,00,00,00,00,0 [2857]
0,00,00,00,00,00,00,00,364
990 DATA 00,00,00,00,00,00,DF,CB,9B,C9,DF,C [2493]
E,9B,C9,8C,37,FE,50,37,2151
1000 DATA FE,00,00,00,00,C3,96,00,00,00,0 [3933]
0,00,00,00,FC,16,FE,CC,1331
1010 DATA B1,FE,FF,16,FE,1A,16,FE,00,00,0 [2908]
0,00,00,00,00,00,00,00,1264
1020 DATA 00,00,00,00,00,00,00,00,00,00,0 [1682]
0,00,00,00,00,00,00,C0,192
1030 DATA E0,F0,F8,FC,FE,FF,FF,FC,F8,CC,0 [3088]
C,06,06,FE,0E,C2,DD,93,3286
1040 DATA 21,A0,00,3A,C8,B1,B7,28,0C,FE,0 [3705]
2,28,05,21,40,01,18,03,1289
1050 DATA 21,80,02,22,FD,9B,26,00,DD,6E,1 [2475]
6,CD,26,9E,DA,DD,93,7D,2108
1060 DATA 32,EA,9B,DD,6E,14,CD,26,9E,DA,D [3727]
D,93,7D,32,EB,9B,DD,6E,2673
1070 DATA 16,BD,D2,DD,93,CA,DD,93,DD,5E,1 [2549]
A,DD,56,1B,CD,1C,9E,DA,2643
1080 DATA DD,93,ED,53,EC,9B,DD,5E,18,DD,5 [3191]
6,19,CD,1C,9E,DA,DD,93,2727
1090 DATA ED,53,EE,9B,2A,EC,9B,CD,2A,9E,D [3558]
2,DD,93,DD,6E,12,DD,66,2801
1100 DATA 10,DD,5E,0E,DD,56,0C,22,F0,9B,E [3159]
D,53,F2,9B,DD,7E,0A,32,2217
1110 DATA F4,9B,DD,7E,08,32,F5,9B,DD,7E,0 [4364]
6,32,F6,9B,DD,6E,04,DD,2564
1120 DATA 66,05,CD,30,9E,22,F7,9B,7E,23,6 [2391]
6,6F,EB,CD,1C,9E,DA,DD,2393
1130 DATA 93,ED,53,FF,9B,DD,6E,02,DD,66,0 [2492]
3,CD,30,9E,22,F9,9B,6E,2495
1140 DATA 26,00,CD,26,9E,DA,DD,93,22,01,9 [3974]
C,DD,6E,00,DD,66,01,CD,2076
1150 DATA 30,9E,22,FB,9B,ED,5B,FF,9B,2A,0 [3394]

1,9C,CD,A8,9D,DA,93,2699
1160 DATA CD,E7,9D,ED,53,FF,9B,22,01,9C,C [1947]
D,18,BB,E5,21,F0,9B,BE,2777
1170 DATA 28,2E,23,BE,28,38,23,BE,28,3F,2 [2381]
3,BE,28,47,E1,F5,CD,E7,1977
1180 DATA 9D,F1,E5,2A,F7,9B,CD,2E,9D,E1,E [3624]
B,2A,F9,9B,CD,2E,9D,5F,2888
1190 DATA 16,00,2A,FB,9B,C3,2E,9D,73,23,7 [3759]
2,C9,3A,F5,9B,6F,26,00,1940
1200 DATA EB,B7,ED,52,EB,E1,18,23,3A,F5,9 [3701]
B,6F,26,00,19,EB,E1,18,2372
1210 DATA 18,E1,D5,3A,F6,9B,5F,16,00,19,D [3130]
1,18,0C,E1,D5,3A,F6,9B,2205
1220 DATA 5F,16,00,B7,ED,52,D1,CD,A8,9D,3 [3155]
8,15,D5,ED,5B,01,9C,CD,2338
1230 DATA 2A,9E,D1,20,14,E5,2A,FF,9B,CD,2 [3805]
A,9E,E1,20,0A,ED,5B,FD,2397
1240 DATA 9B,2A,01,9C,C3,FA,9C,D5,E5,2A,0 [2777]
1,9C,ED,5B,FF,9B,CD,E7,2770
1250 DATA 9D,E1,D1,CD,E7,9D,3A,F4,9B,B7,2 [2936]
8,07,47,AF,3D,20,FD,10,2479
1260 DATA FA,C3,F3,9C,D5,E5,23,13,E5,2A,E [2983]
C,9B,CD,2A,9E,30,1A,2A,2523
1270 DATA EE,9B,CD,2A,9E,38,12,E1,3A,EA,9 [2568]
B,BD,38,0C,3A,EB,9B,BD,2438
1280 DATA 30,06,37,3F,E1,D1,C9,E1,37,18,F [3831]
9,FE,02,C2,DD,93,DD,6E,2509
1290 DATA 00,DD,66,01,DD,5E,02,DD,56,03,C [3816]
3,E7,9D,D5,E5,CD,1D,BC,2398
1300 DATA 11,05,9C,ED,53,03,9C,11,0E,08,E [3232]
5,2A,03,9C,46,23,22,03,1268
1310 DATA 9C,E1,E5,C5,CB,00,30,03,7E,A9,7 [2920]
7,CD,E2,93,15,20,F3,C1,2542
1320 DATA E1,CD,26,BC,16,08,1D,20,DD,E1,D [2917]
1,C9,3A,FE,9B,BA,C0,3A,2506
1330 DATA FD,9B,BB,C9,3E,C8,BD,C9,7C,BA,C [3587]
0,7D,BB,C9,2B,7E,FE,01,2887
1340 DATA C2,DD,93,23,C9,CD,64,A0,DD,CD,7 [2487]
E,A0,79,32,D1,9B,32,DD,2757
1350 DATA 9B,06,0C,13,10,FD,01,0C,0C,ED,4 [3435]
3,27,91,E5,3A,D1,9B,4F,1704
1360 DATA 78,32,28,91,1A,47,13,DF,E1,9B,C [3424]
D,E2,93,79,32,D1,9B,3A,2245
1370 DATA 28,91,47,10,E5,E1,3A,D2,9B,32,D [2310]
1,9B,4F,CD,26,BC,ED,4B,2385
1380 DATA Z7,91,06,0C,0D,ED,43,27,91,20,C [3272]
C,C9,CD,80,9F,D8,CD,C6,2251
1390 DATA 9B,CD,FO,BB,CD,2C,BC,32,DD,9B,D [3330]
F,E7,9B,DF,E4,9B,D2,35,3160
1400 DATA 9F,E5,FD,E1,D5,DD,E1,CD,A4,9F,C [4027]
D,B4,9F,CD,1D,BC,3A,DD,3298
1410 DATA 9B,47,FD,23,CD,29,BC,CD,E5,9F,3 [4011]
A,34,B3,FD,95,38,05,78,2413
1420 DATA AE,A1,28,EC,FD,2B,CD,26,BC,CD,0 [3260]
0,A0,51,59,CD,1C,A0,E5,2495
1430 DATA C5,CB,01,DC,23,BC,78,42,AE,A1,5 [3092]
7,20,OF,B0,28,0C,CD,5B,2023
1440 DATA A0,38,07,DD,2B,CD,45,9F,DD,23,C [3263]
1,E1,E5,C5,CB,09,DC,20,2484
1450 DATA BC,78,43,AE,A1,5F,20,OF,B0,28,0 [3508]
C,CD,3F,A0,38,07,DD,23,1827
1460 DATA CD,45,9F,DD,2B,C1,E1,E5,2A,D7,9 [3059]
B,7E,E1,AE,A1,AE,77,3A,2793
1470 DATA 36,B3,3C,FD,95,30,0D,FD,2B,CD,2 [2958]
6,BC,CD,00,A0,78,AE,A1,2303
1480 DATA 2A,83,CD,2D,A0,2A,DB,9B,7D,B4,C [3453]
8,2B,22,DB,9B,CD,71,9F,2462
1490 DATA C3,9B,9E,D5,2A,89,AE,01,03,00,0 [4277]
9,38,07,EB,2A,8D,B0,CD,1949
1500 DATA 2A,9E,38,17,EB,22,89,AE,DD,E5,D [3420]
1,FD,E5,C1,2B,72,2B,73,2508
1510 DATA 2B,71,2A,DB,9B,23,22,DB,9B,D1,C [3642]
9,2A,89,AE,2B,56,2B,5E,2044
1520 DATA 2B,22,89,AE,6E,26,00,C9,FE,01,C [3825]
2,DD,93,CD,7E,A0,2E,OC,2103
1530 DATA 26,00,19,22,D3,9B,2A,D5,9B,01,8 [3123]
0,02,AF,77,23,3D,77,23,1548
1540 DATA 0B,78,B1,20,F5,37,3F,C9,E5,D5,6 [3083]
2,6B,19,EB,2A,D5,9B,19,2246
1550 DATA 22,D9,9B,D1,E1,C9,E5,D5,FD,E5,E [3024]
1,EB,21,C8,00,B7,ED,52,3160
1560 DATA 1E,OC,16,00,CD,C3,9B,2E,OC,26,0 [3213]
0,CD,C7,9B,E5,DD,E5,E1,2178
1570 DATA 1E,OC,16,00,CD,C3,9B,E1,19,ED,5 [2018]
B,D3,9B,19,22,D7,9B,18,2016
1580 DATA 3A,E5,D5,2A,D7,9B,1E,OC,16,00,B [3403]
7,ED,52,7E,FE,01,20,05,1890
1590 DATA 1E,90,16,00,19,22,D7,9B,18,19,E [2868]
5,D5,2A,D7,9B,1E,OC,16,1592

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1600 DATA 00,19,7E,FE,01,20,07,1E,90,16,0 [2838]
0,B7,ED,52,22,D7,9B,D1,1756
1610 DATA E1,C9,E5,D5,FD,E5,D1,2A,D9,9B,7 [3334]
B,BE,30,02,18,EF,77,18,2742
1620 DATA EC,E5,D5,FD,E5,D1,2A,D9,9B,23,7 [4187]
B,BE,38,02,18,DD,77,18,2577
1630 DATA DA,E5,D5,2A,D9,9B,23,23,FD,E5,D [3495]
1,7B,3D,BE,30,09,23,7B,2424
1640 DATA 3C,BE,38,03,37,18,C2,37,3F,18,B [3116]
E,E5,D5,2A,D9,9B,2B,28,1856
1650 DATA 18,E2,FE,03,C2,DD,93,DD,6E,02,D [2918]
D,66,03,DD,5E,04,DD,56,2354
1660 DATA 05,DF,DE,9B,DO,CD,1D,BC,37,C9,E [2798]
5,DD,6E,00,DD,66,01,2B,2418
1670 DATA 3E,02,BE,C2,DD,93,23,23,5E,23,5 [2352]
6,E1,C9,00,00
1680 MODE 2 [513]
1690 RESTORE 20:sp=36864:bz=18:zz=20:spe=4 [2344]
1108
1700 z=0:ps=0:zen=980 [1239]
1710 READ a$:a=VAL("&"+"a$"):POKE sp,a:ps=ps [2652]
+a:z=z+1:sp=sp+1:IF z=bz THEN 1730
1720 IF sp=spe+1 THEN 1760 ELSE 1710 [1166]
1730 READ p:zz=zz+10:LOCATE 10,12:PRINT US [4740]
ING" Zeile : ##### : Soll : ##### Ist
: #####;zz-10,p,ps;
1740 IF p<>ps THEN PRINT" Data-Error in";z [5045]
z-10:END ELSE PRINT" -> Alles OK !"
1750 IF zz-10=zen THEN 2160 ELSE 1700 [1316]
1760 sp=36864 [395]
1770 a=PEEK(6) [1184]
1780 IF a=128 THEN 1830 [1015]
1790 IF a=&7B THEN GOSUB 1840:GOTO 1810 [1012]
1800 GOSUB 1940 [855]
1810 FOR n=1 TO 28:READ ad$,we$:ad=VAL("&"
+ad$):wh=VAL("&"+"LEFT$(we$,2))
1820 wl=VAL("&"+"RIGHT$(we$,2)):POKE ad,wl: [3638]
POKE ad+1,wh:NEXT
1830 GOTO 2040 [355]
1840 REM Zeiger auf Datas fuer 664 stelle [2397]
n
1850 RESTORE 1870:POKE &9BCD,253:POKE &9BD [2350]
0,253:RETURN
1860 REM Datas fuer CPC 664 [1131]
1870 DATA 9114,0C70,9116,0C76,9118,0C7B,91 [2699]
1A,0C81
1880 DATA 912C,CB4C,912F,1690,9132,0B97,9C [2314]
1C,B7C3
1890 DATA 93E7,B7C3,94B3,B7C3,9536,B7C3,95 [2111]
90,B7C3
1900 DATA 95AB,B7C3,95D2,B7C8,95D6,B7C8,9B [2324]
CB,DD83
1910 DATA 9BCE,DD77,9BDE,1690,9EBD,B69F,9F [1849]
1E,B6A1
1920 DATA 9BE1,B7C7,9BE4,1693,9BE7,1620,9F [1390]
47,AE6C
1930 DATA 9F51,B071,9F5A,AE6C,9F72,AE6C,9F [1920]
7A,AE6C
1940 REM Zeiger auf Datas fuer 6128 stelle [2719]
n
1950 RESTORE 1970:POKE &9BCD,253:POKE &9BD [2221]
0,253:RETURN
1960 REM Datas fuer CPC 6128 [1270]
1970 DATA 9114,0C74,9116,0C7A,9118,0C7F,91 [2083]
1A,0C85
1980 DATA 912C,CB49,912F,1694,9132,0B9B,9C [2196]
1C,B7C3
1990 DATA 93E7,B7C3,94B3,B7C3,9536,B7C3,95 [2111]
90,B7C3
2000 DATA 95AB,B7C3,95D2,B7C8,95D6,B7C8,9B [2144]
CB,DDAE
2010 DATA 9BCE,DD72,9BDE,1694,9EBD,B69F,9F [2692]
1E,B6A1
2020 DATA 9BE1,B7C7,9BE4,1697,9BE7,1624,9F [1637]
47,AE6C
2030 DATA 9F51,B071,9F5A,AE6C,9F72,AE6C,9F [1920]
7A,AE6C
2040 SAVE"probe",b,&9000,4244,0:END [1854]
2050 REM ***** [1471]
2060 REM * [403]
2070 REM * DATAs fuer GBASIC * [1290]
2080 REM * [403]
2090 REM * generiert "PROBE.BIN" * [1769]
2100 REM * [403]
2110 REM * COPYRIGHT SEPTEMBER 1986 * [1753]
2120 REM * [403]
2130 REM * BY DIETER BRAUN * [2264]
2140 REM * [403]
2150 REM ***** [1471]

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2160 REM 1260 Nullen einfuegen [1214]
2170 FOR q=1 TO 1260:POKE sp,0:sp=sp+1:NEX [3258]
T
2180 zen=-1:GOTO 1700 [868]

10 DEFINT a-z [553]
20 INK 0,1:PAPER 0:PEN 1:CLS:BORDER 1:INK [3616]
2,0:INK 3,6
30 IF HIMEM<40000 THEN 60' zweites Laden a [1417]
bfangen
40 MEMORY &8FFF:LOAD"probe" [1455]
50 init=&9000:CALL init:MEMORY 20000:ISCRD [3760]
EF,20000
60 MODE 1:x=68:y=300:GOSUB 2960 'Schneider [3158]
auf 1. Schirm
70 :RAUS,1,16,3,10,1,1' in 2. Schirm ableg [2476]
en
80 FOR n=240 TO 360 STEP 2:MOVE 8,n:TDRAW [3947]
R,120,0' 2 kopieren
90 MOVE 136,n:WDRAWR,120,0,0:NEXT [1731]
100 FOR n=360 TO 240 STEP-2:MOVE 8,n:TDRA [3035]
WR,120,0' 3 kopieren
110 MOVE 264,n:WDRAWR,120,0,0:NEXT [1748]
120 FOR n=392 TO 512 STEP 2:MOVE n-384,360 [4459]
:TDRAWR,0,-120' 4 kopieren
130 MOVE n,360:WDRAWR,0,-120,0:NEXT [1371]
140 FOR n=640 TO 520 STEP -2:MOVE n-512,36 [2742]
0:TDRAWR,0,-120' 5 kopieren
150 MOVE n,360:WDRAWR,0,-120,0:NEXT [1371]
160 LOCATE 14,2:PEN 1:PRINT"Super-Grafik" [2025]
170 REM Schriftzug [1176]
180 :GMODUS,0:f=1:y=220:FOR i=0 TO 2 [1731]
190 FOR n=382 TO 368 STEP-2 [699]
200 :FILL,0,0,640:' Puffer leeren [2117]
210 MOVE 208,n:TDRAWR,192,0:RECHTS,1 [3361]
0,0,630:IFILL,0,0,10
220 :WIDTH,1,2^i:FOR m=1 TO 1:BREIT: [3334]
ENG,5,0:NEXT
230 FOR j=0 TO 610 STEP 30:WANDEL,1,f [3396]
,j,30
240 f=f+1:IF f=4 THEN f=1 [855]
250 NEXT [350]
260 MOVE 0,y:WDRAWR,620,0,0:y=y-(2^i) [2147]
*2:NEXT
270 y=y+2^i-32:NEXT i [1418]
280 LOCATE 14,2:PEN 1:PRINT SPACE*(12) [1698]
290 LOCATE 6,25:PEN 1:PRINT"< Bitte eine T [3997]
aste druecken >"
300 :REIN,62,77,1,18,1,1 [1492]
310 WHILE INKEY$="" [1095]
320 FOR n=1 TO 15:CALL &BD19:FOR m=0 TO 3: [3356]
NEXT
330 :REIN,47+n,61+n,11,18,1,1' jeweils a [4445]
us 2. Schirm holen
340 NEXT n [366]
350 WEND [390]
360 REM [272]
370 REM verschiedene Schriften [1043]
380 REM [272]
390 MODE 1:INK 1,24:INK 2,18:INK 3,6 [1945]
400 WINDOW#1,1,40,1,2:PEN#1,1:PAPER#1,3:CL [2655]
S#1
410 PRINT#1,TAB(14);"Schriftarten" [1664]
420 PRINT#1,"Schriftzug :";:LINE INPUT#1,s [2987]
$
430 s$=LEFT$(s$,15):CLS:PRINT s$:WIDTH,0, [2167]
0
440 REM spiegelnde Schrift [1571]
450 x=10:y=350:FOR n=384 TO 398 STEP 2 [1792]
460 nn=n-384:MOVE 0,n:TDRAWR,240,0 [2403]
470 MOVE x,y+nn:WDRAWR,240,0,0:WANDEL, [2256]
1,3,0,240
480 MOVE x-(nn/2),y-nn:WDRAWR,240,0,0 [2851]
490 NEXT [350]
500 REM 3-D Schrift [910]
510 :GMODUS,4 ' NORCE - Modus ! [1443]
520 x=10:y=300:FOR n=384 TO 398 STEP 2 [1601]
530 nn=n-384:MOVE 0,n:TDRAWR,240,0 [2403]
540 MOVE x,y+nn:WDRAWR,240,0,0 [1432]
550 :WANDEL,1,3,0,240:MOVE x-2,y+nn-2:W [3779]
DRAWR,240,0,0
560 NEXT:GMODUS,0 [1119]
570 REM gestreift, senkrecht [2378]
580 f=1:x=10:y=270:FOR n=0 TO 240 STEP 2 [2148]
590 MOVE n,382:TDRAWR,0,18:WANDEL,1,f, [3593]
0,20
600 MOVE x+n,y:WDRAWR,0,18,0 [840]
610 IF f=1 THEN f=3 ELSE f=1 [1088]

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620 NEXT [350]
630 REM gestreift, waagerecht [2474]
640 f=1:x=10:y=240:FOR n=384 TO 398 STEP 2 [1248]
650 MOVE 0,n:TDRAWR,240,0:WANDEL,1,f,0 [2351]
,240
660 MOVE x,y+n-384:WDRAWR,240,0,0 [1727]
670 IF f=1 THEN f=3 ELSE f=1 [1088]
680 NEXT [350]
690 REM fett [726]
700 !GMODUS,4:x=10:y=210:FOR n=384 TO 398 [2276]
STEP 2
710 MOVE 0,n:TDRAWR,240,0 [1702]
720 MOVE x,y+n-384:WDRAWR,240,0,0 [1727]
730 MOVE x+2,y+n-384:WDRAWR,240,0,0 [1504]
740 NEXT:GMODUS,0 [1119]
750 REM umgedreht [863]
760 x=10:y=180:FOR n=384 TO 398 STEP 2 [2041]
770 MOVE 0,n:TDRAWR,240,0 [1702]
780 !DREHE,0,120 [1880]
790 MOVE x,y+n-384:WDRAWR,240,0,0 [1727]
800 NEXT [350]
810 REM auf dem Kopf [364]
820 x=10:y=166:FOR n=384 TO 398 STEP 2 [3039]
830 MOVE 0,n:TDRAWR,240,0:MOVE x,y-(n-3 [3677]
84):WDRAWR,240,0,0
840 NEXT [350]
850 REM kursiv [977]
860 x=10:y=120:FOR n=384 TO 398 STEP 2 [2446]
870 MOVE 0,n:TDRAWR,240,0 [1702]
880 MOVE x+n-384,y+n-384:WDRAWR,240,0,0 [2002]
890 NEXT [350]
900 REM eng [500]
910 x=10:y=90:FOR n=384 TO 398 STEP 2 [3378]
920 MOVE 0,n:TDRAWR,240,0:ENG,1,0 [2081]
930 MOVE x,y+n-384:WDRAWR,120,0,0 [1599]
940 NEXT [350]
950 REM breit [618]
960 x=10:y=60:FOR n=384 TO 398 STEP 2 [2773]
970 MOVE 0,n:TDRAWR,240,0:BREIT [1869]
980 MOVE x,y+n-384:WDRAWR,240,0,0 [1727]
990 NEXT [350]
1000 REM hoch [820]
1010 x=10:y=10:FOR n=384 TO 399 [1989]
1020 MOVE 0,n:TDRAWR,240,0 [1702]
1030 MOVE x,y+(n-384)*2:WDRAWR,240,0,0 [1494]
1040 NEXT [350]
1050 REM nach oben [995]
1060 x=330:y=350:FOR n=384 TO 398 STEP 2 [2040]
1070 MOVE 0,n:TDRAWR,240,0 [1702]
1080 MOVE x,y+n-384:WDRAWR,240,29,0 [2064]
1090 NEXT [350]
1100 REM nach unten [972]
1110 x=330:y=330:FOR n=384 TO 398 STEP 2 [2486]
1120 MOVE 0,n:TDRAWR,240,0 [1702]
1130 MOVE x,y+n-384:WDRAWR,240,-28,0 [1878]
1140 NEXT [350]
1150 REM mini [802]
1160 !FILL,0,0,640:x=330:y=290:FOR n=384 T [3508]
0 398 STEP 4
1170 MOVE 0,n:TDRAWR,240,0:ENG,1,0 [2081]
1180 MOVE x,y+(n-384)/2:WDRAWR,240,0,0 [2166]
1190 NEXT [350]
1200 REM kariert + gross [1677]
1210 f=1:ff=3:x=330:y=250:FOR n=384 TO 399 [2293]
1220 MOVE 0,n:TDRAWR,240,0 [1702]
1230 FOR m=0 TO 120 STEP 8 [1164]
1240 !WANDEL,1,f,m,4:WANDEL,1,ff,m+4, [3009]
4:NEXT
1250 MOVE x,y+(n-384)*2:WDRAWR,240,0,0 [1494]
1260 IF n MOD 4=1 THEN c=f:f=ff:ff=c [2148]
1270 NEXT [350]
1280 REM diagonal [336]
1290 !FILL,0,0,240:x=330:y=230:FOR n=384 T [3638]
0 398 STEP 2
1300 MOVE 0,n:TDRAWR,240,0 [1702]
1310 MOVE x+(n-384)/2,y+n-384:WDRAWR,24 [3066]
0,-120,0
1320 MOVE x+(n-384)/2+1,y+n-384+1:WDRAW [3314]
R,240,-120,0
1330 NEXT [350]
1340 REM nach unten [972]
1350 !FILL,0,0,240:x=280:y=300:FOR n=384 -T [3684]
0 398 STEP 2
1360 MOVE 0,n:TDRAWR,240,0:DREHE,0,120 [2281]
1370 MOVE x+n-384,y:WDRAWR,0,-240,0 [2813]
1380 NEXT [350]
1390 REM geschwungen [2564]
1400 f=2:IFILL,0,0,240:GMODUS,4:RESTORE 1 [2882]
410

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1410 DATA 2,3,5,10,0 [350]
1420 DEG:FOR m=300 TO 285 STEP -5:READ mm [2107]
1430 x=SIN(m)*300+640:y=COS(m)*100+40 [2141]
1440 f=f+1:IF f=3 THEN f=1 [1134]
1450 FOR n=384 TO 398 STEP 2 [1180]
1460 MOVE 0,n:TDRAWR,240,0:ENG,mm,0: [3449]
!WANDEL,1,f,0,240
1470 MOVE x,y+n-384:WDRAWR,240,0,0 [1727]
1480 NEXT:NEXT:PL0T -2,-2,3:TAG:MOVE 344 [3617]
,73:PRINT s$:TAGOFF
1490 REM invers [1145]
1500 f=1:x=330:y=10:FOR n=382 TO 398 STEP [2311]
2
1510 MOVE 0,n:TDRAWR,240,0:WANDEL,0,3, [4185]
0,240:WANDEL,1,0,0,240
1520 !RECHTS,1,0,240:BOKE,0,3 [1002]
1530 !WANDEL,3,f,0,240:IF f=1 THEN f=3 E [3978]
LSE f=1
1540 MOVE x,y+n-382:WDRAWR,240,0,0:NEXT [2737]
1550 PL0T x,y+n-382:DRAW 240,0,3 [1614]
1560 WHILE INKEY#="" :WEND [1607]
1570 REM [272]
1580 REM Flaechenveraenderung [1278]
1590 REM [272]
1600 DEG:MODE 1:x=80:y=318:INK 1,1:INK 2,1 [3335]
:INK 3,1
1610 BORDER 0:GOSUB 2960:GMODUS,0 [2180]
1620 FOR n=0 TO 140 STEP 20:MOVE 0,400-n:D [3967]
RAW 200,0,0:NEXT
1630 FOR n=0 TO 140 STEP 20:MOVE n,0:DRAW [4153]
0,400:NEXT
1640 !RAUS:CLS:INK 1,24:INK 2,0:INK 3,6 [1842]
1650 FOR n=6 TO 396 STEP 8:MOVE 0,n:DRAW [3394]
640,0,2:NEXT
1660 FOR n=6 TO 636 STEP 8:MOVE n,0:DRAW [3001]
0,400:NEXT
1670 !GMODUS,4:REM Extra - Grafikmodus ein [4523]
schalten ("NORCE")
1680 REM Tuer [493]
1690 FOR n=0 TO 60 STEP 4:SCR2:MOVE n+20, [3308]
379:TDRAWR,0,-120
1700 !SCR1:MOVE n/2+20,360+n/3:WDRAWR,0 [2555]
,-120,0:NEXT
1710 FOR n=60 TO 120 STEP 4:SCR2:MOVE n+2 [3851]
0,379:TDRAWR,0,-120
1720 !SCR1:MOVE 70+n/2,360+(120-n)/3:WD [4537]
RAW,0,-120,0:NEXT
1730 REM Flagge [562]
1740 FOR n=0 TO 120 STEP 2:SCR2:MOVE n+20 [3082]
,379:TDRAWR,0,-120
1750 !SCR1:MOVE n+170,378+SIN(n*6)*9:WD [3101]
RAW,0,-120,0
1760 NEXT [350]
1770 REM Flagge senkrecht [1448]
1780 FOR n=0 TO 120 STEP 2:SCR2:MOVE 20,3 [2915]
78-n:TDRAWR,120,0
1790 !SCR1:MOVE 330+SIN(n*6)*9,378-n:WD [3373]
RAW,120,0,0
1800 NEXT [350]
1810 REM Pos. SINUS [690]
1820 FOR n=0 TO 120 STEP 2:SCR2:MOVE n+20 [3082]
,379:TDRAWR,0,-120
1830 !SCR1:MOVE n+490,370+ABS(SIN(n*9)*1 [2976]
6):WDRAWR,0,-120,0
1840 NEXT [350]
1850 v%=0:REM Kugel [848]
1860 FOR n=-58 TO 58 STEP 2:SCR2:MOVE 20, [4220]
318+n:TDRAWR,120,0
1870 !SCR1:LEN,@v%:FILL,1,v%-1,200:x=S [5788]
QR(3600-n*n):f=(60-x)*2:GOSUB 2310
1880 !FILL,0,x,200:MOVE 80-x,120+n:WDRA [2996]
WR,120,0,0
1890 NEXT [350]
1900 REM Scheren + Flagge [2129]
1910 FOR n=0 TO 120 STEP 2:SCR2:MOVE n+20 [3082]
,379:TDRAWR,0,-120
1920 !SCR1:MOVE n+170,(190-n/2)+SIN(n*10 [3376]
)*12:WDRAWR,0,-120,0
1930 NEXT [350]
1940 !FILL,0,0,640:REM Diagonal - Sinus [2461]
1950 FOR n=0 TO 240 STEP 2 [999]
1960 IF n<120 THEN !SCR2:MOVE 20,380-n: [3786]
TDRAWR,200,200:GOTO 1980
1970 !SCR2:MOVE n-100,260:TDRAWR,200,20 [3933]
0
1980 s=SIN(n*6)*7 [602]
1990 IF n<120 THEN !SCR1:MOVE 340+s,150- [3566]
n*s:WDRAWR,200,200,0:GOTO 2010
2000 !SCR1:MOVE 220+n*s,30+s:WDRAWR,200 [3045]

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,200,0
2010 NEXT [350]
2020 REM Zick-Zack-Muster ("Eierkarton") [4327]
2030 FOR n=0 TO 120 STEP 2: !SCR2:MOVE 20,3 [2915]
78-n: !TDRAWR,120,0
2040 x=SIN(n*10)*6+6 [1582]
2050 MOVE 490+x,182-n: !WDRAWR,120,0,0 'X [3970]
-Zick-Zack im 2. Bildschirm
2060 NEXT [350]
2070 FOR n=0 TO 132 STEP 2: !SCR2:MOVE 490+ [3222]
n,182: !TDRAWR,0,-120
2080 !SCR1:x=SIN(n*10)*6+6 [1878]
2090 MOVE 490+n,152-x: !WDRAWR,0,-120,0 ' [3402]
Y-Zick-Zack auf'm 1.
2100 NEXT [350]
2110 REM Klein in der Mitte [1256]
2120 FOR n=2 TO 122 STEP 4: !SCR2:MOVE 20,3 [3440]
78-n: !TDRAWR,120,0
2130 !SCR1: !ENG,1,0 [1340]
2140 MOVE 330,230-n/2: !WDRAWR,60,0,0 [1734]
2150 NEXT:FOR n!=0 TO 120 STEP 6.6: !SCR2:M [4204]
OVE 20,378-n!: !TDRAWR,120,0
2160 !SCR1: !ENG,1,0: !ENG,3,0 [2061]
2170 MOVE 420,220-n!/2.6: !WDRAWR,60,0,0 [2106]
2180 NEXT:FOR n=2 TO 122 STEP 8: !SCR2:MOVE [3956]
20,378-n: !TDRAWR,120,0
2190 !SCR1: !ENG,1,0: !ENG,1,0 [2005]
2200 MOVE 490,210-n/4: !WDRAWR,30,0,0 [1908]
2210 NEXT:FOR n=0 TO 120 STEP 16: !SCR2:MOV [6266]
E 20,378-n: !TDRAWR,120,0
2220 !SCR1: !ENG,1,0: !ENG,1,0: !ENG,1,0 [2543]
2230 MOVE 540,204-n/8: !WDRAWR,15,0,0 [987]
2240 NEXT:FOR n=0 TO 120 STEP 32: !SCR2:MOV [5260]
E 20,378-n: !TDRAWR,120,0
2250 !SCR1: !ENG,1,0: !ENG,1,0: !ENG,1,0: !E [2972]
NG,1,0
2260 MOVE 580,200-n/16: !WDRAWR,15,0,0 [870]
2270 NEXT [350]
2280 PLOT -2,-2,1:MOVE 400,16:TAG:PRINT"- [3151]
Eine Taste -":TAGOFF
2290 WHILE INKEY$="" :WEND: !GMODUS,0:GOTO 2 [2570]
370
2300 REM Buffer schrumpfen lassen (f Punk [3504]
te wegfallen lassen !)
2310 p=120:IF f=0 THEN RETURN [1827]
2320 a=p/f:IF a<2 THEN !ENG,1,0:p=p/2:f=f- [4175]
p:GOTO 2320
2330 !ENG,a-1,0:RETURN [1806]
2340 REM [272]
2350 REM Fill - Demo [422]
2360 REM [272]
2370 WINDOW#1,1,40,1,2:PAPER#1,2:PEN#1,1:B [3264]
ORDER 1: !WIDTH,2,2
2380 CLS:FOR n=0 TO 20:x1=RND*640:x2=RND*6 [4398]
40:MOVE x1,2:DRAW x2,368,RND*2+1:NEXT
2390 !WIDTH,0,0:MOVE 0,0:DRAW 640,0,1:MOV [2830]
E 0,0:DRAW 0,400:MOVE 638,0
2400 DRAW 0,400: !RAUS:x=10:y=250:CLS#1:PR [3179]
INT#1,"
Raster-Fill"
2410 PRINT#1," Definieren Sie Ihr Raster ! [4698]
":GOSUB 3270:x=160:y=100:f=0
2420 !REIN:CLS#1:PRINT#1," Wohin soll es k [4727]
ommen ?"
2430 !PFEIL,0,320,185,0,242,243,240,241,0, [3314]
3,3,@x,@y,@f
2440 MOVE x*2,y*2: !RFILL,@a$ [1147]
2450 CLS#1:PRINT#1," Noch einmal (J/N) ?": [2375]
GOSUB 3220
2460 IF f<>1 THEN !RAUS:GOTO 2420 [869]
2470 CLS#1:PRINT#1," Naechster Demo (J/N) [2927]
?":GOSUB 3220
2480 IF f=1 THEN 2400 [917]
2490 REM [272]
2500 REM Zoom - Demo [1161]
2510 REM [272]
2520 !REIN:CLS#1:PRINT#1," [3387]
Zoomeditor"
2530 PRINT#1," Selektieren Sie: untere, li [3852]
nke Ecke"
2540 DEFINT x,y,f:x=160:y=100:f=0:ORIGIN 0 [3169]
,0
2550 !PFEIL,0,320,185,0,242,243,240,241,0, [3314]
3,3,@x,@y,@f
2560 PRINT#1," obere, rec [3311]
hte Ecke"
2570 x1=x*2:y1=y*2: !PFEIL,0,320,185,0,242, [3653]
243,240,241,0,3,3,@x,@y,@f
2580 x2=x*2:y2=y*2:IF x1>=x2 OR y1>=y2 THE [3262]
N 2500

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2590 xa=x2-x1:ya=y2-y1:IF 630/xa<=2 OR 390 [4861]
/ya<=2 THEN 2500
2600 z=0:zz=xa:WHILE zz<640:zz=zz*2:z=z+1: [4409]
WEND:xz=z-1:ax=2^xz
2610 z=0:zz=ya:WHILE zz<400:zz=zz*2:z=z+1: [3057]
WEND:yz=z-1:ay=2^yz
2620 IF xa*ax+ax=600 THEN xz=xz-1:ax=2^xz [4409]
' ueberpruefen ob width am Rand!
2630 IF ya*ay+ay=360 THEN yz=yz-1:ay=2^yz [2269]
2640 REM Kopieren [869]
2650 xx=320-(xa*ax+ax)/2:yy=200-(ya*ay+ay) [2870]
/2
2660 MODE 1: !WIDTH,1,ay:x=xx:y=398-yy:FOR [4877]
n=y2 TO y1 STEP-2
2670 !FILL,0,0,640 [1554]
2680 !SCR2:MOVE x1,n: !TDRAW,x2,n: !SCR1 [3774]
2690 FOR m=1 TO xz: !BREIT:NEXT: !BOKE,0,0 [2407]
2700 MOVE x,y: !WDRAWR,640-ax*2,0,0:y=y-a [3872]
y*2:NEXT
2710 REM editieren [794]
2720 BORDER 2:x=ax/2+xx/2:y=((200-ay/2)-yy [4185]
/2)-1:xg=xa*ax/2+xx/2
2730 yg=(200-ya*ay/2-ay)-yy/2 [1980]
2740 !WIDTH,2,2:PLOT xx-4,404-yy,1:DRAW x [7348]
g*2+4,404-yy:DRAW xg*2+4,yg*2-6:DRAW xx-4,
yg*2-6:DRAW xx-4,404-yy: !WIDTH,ax,ay
2750 IF ax=2 THEN x=x-1 [956]
2760 IF ay=2 THEN y=y-1 [514]
2770 !PFEIL,xx/2,xg,200-yy/2,yg,242,243,24 [3046]
0,241,0,ax,ay,@x,@y,@f
2780 IF UPPER$(CHR$(f))="Q" THEN 2810 [1968]
2790 t=TEST(x*2,y*2):t=t+1:IF t=4 THEN t=0 [1339]
2800 PLOT x*2-ax+2,y*2+ay,t:GOTO 2770 [1466]
2810 REM Zurueckbringen [683]
2820 !WIDTH,0,0:x=xx+2:y=398-yy:FOR n=y2 T [2844]
O y1 STEP-2
2830 !FILL,0,0,640 [1554]
2840 !SCR1:MOVE x,y [917]
2850 !TDRAWR,640,0 [564]
2860 !SCR2 [922]
2870 FOR m=1 TO xz: !ENG,1,0:NEXT [1775]
2880 MOVE x1+2,n: !WDRAW,x2,n,0 [2026]
2890 y=y-ay*2:NEXT: !SCR1 [1124]
2900 !REIN:WINDOW #1,1,40,1,2:PEN #1,3:PAP [2676]
ER#1,2
2910 PRINT#1,"Noch einmal (J/N) ? [3105]
":PRINT#1
2920 GOSUB 3220:IF f=0 THEN 2520 [1379]
2930 REM Programmende [984]
2940 MODE 1:PEN 1:LOCATE 17,12:PRINT"E N D [3600]
E"
2950 GOTO 2950 [381]
2960 REM Unterprogramme [718]
2970 REM Schneider-Zeichen an x/y Position [3519]
auf den Schirm bringen
2980 REM [272]
2990 ORIGIN x,y:DEG: !WIDTH,0,0 [1241]
3000 PLOT -60,-56,1:DRAW 120,0:DRAW 0,11 [2773]
6:DRAW -120,0:DRAW 0,-116
3010 PLOT -4,10,2:DRAW -16,0 [949]
3020 FOR n=180 TO 360 STEP 10 [1285]
3030 DRAW SIN(n)*14-20,COS(n)*14+24:NEXT [2308]
3040 DRAW 16,0:DRAW 0,16:DRAW -16,0 [1368]
3050 FOR n=360 TO 180 STEP-10 [942]
3060 DRAW SIN(n)*30-20,COS(n)*30+24:NEXT [730]
3070 DRAW 16,0:DRAW 0,16 [940]
3080 PLOT 4,-6,3:DRAW 16,0 [467]
3090 FOR n=0 TO 180 STEP 10 [1232]
3100 DRAW SIN(n)*14+20,COS(n)*14-20:NEXT [1907]
3110 DRAW -16,0:DRAW 0,-16:DRAW 16,0 [1517]
3120 FOR n=180 TO 0 STEP-10 [1047]
3130 DRAW SIN(n)*30+20,COS(n)*30-20:NEXT [616]
3140 DRAW -16,0:DRAW 0,-16 [777]
3150 REM jetzt auffuellen [1491]
3160 a1$=STRING$(12,1)+STRING$(144,240)+ST [2196]
RING$(12,1): REM ink 1
3170 a2$=STRING$(12,1)+STRING$(144,15)+STR [2927]
ING$(12,1): REM ink 2
3180 a3$=STRING$(12,1)+STRING$(144,255)+ST [4000]
RING$(12,1): REM ink 3
3190 MOVE 0,0: !RFILL,@a1$:MOVE -10,20: !RFI [2868]
LL,@a1$:MOVE 10,-20: !RFILL,@a1$
3200 MOVE -10,0: !RFILL,@a2$:MOVE 10,0: !RFI [2605]
LL,@a3$
3210 ORIGIN 0,0:RETURN [456]
3220 REM Abfrage j/n [746]
3230 r$=UPPER$(INKEY$):IF r$="" THEN 3230 [2409]
3240 IF r$="J" THEN f=0:RETURN [1280]
3250 IF r$="N" THEN f=1:RETURN ELSE 3230 [2255]

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3260 x=320:y=300 [1998]
3270 REM Raster - Designer (an Stelle x/y [2498]
in String a$)
3280 IF LEN(a$)<>168 THEN a$=STRING$(12,1) [3231]
+STRING$(144,0)+STRING$(12,1)
3290 mx=x:my=y:DEFINT x,y,f:WIDTH,0,0 [2600]
3300 :WIDTH,82,112:PLOT mx,my,0:WIDTH,0,0 [4449]
'Fenster loeschen (!)
3310 REM Bildschirmaufbau [2442]
3320 PLOT mx,my,1:DRAW 164,0:DRAW 0,-224 [4146]
:DRAW -164,0:DRAW 0,224
3330 PLOT mx,my:DRAW 6,-6:DRAW 104,0:DRA [4672]
WR 6,6:DRAW 0,-60:DRAW -6,6
3340 DRAW 0,48:MOVER 0,-48:DRAW -104,0:D [3355]
RAW -6,-6:DRAW 164,0
3350 PLOT mx+6,my-6:DRAW 0,-48:MOVER -6,- [2607]
6:DRAW 8,-8:DRAW 148,0
3360 DRAW 8,8:MOVER -8,-8:DRAW 0,-148:DR [2585]
AWR 8,-8:MOVER -8,8
3370 DRAW -148,0:DRAW -8,-8:MOVER 8,8:DR [2315]
AWR 0,148
3380 ff=1:MOVE mx+116,my:DRAW 6,-6:DRAW [3832]
36,0:DRAW 6,6:MOVER -6,-6
3390 DRAW 0,-18:DRAW 6,-6:MOVER -6,6:DRA [4246]
WR -36,0:DRAW -6,-6:MOVER 6,6
3400 DRAW 0,18:MOVE mx+116,my-30:DRAW 48 [2206]
,0:GOSUB 3530
3410 PLOT 1000,1000,3:TAG:MOVE mx+118,my-3 [2926]
8:PRINT"QC";
3420 MOVE mx+148,my-38:PRINT"T"; [1709]
3430 f=0:x=(mx+16)/2:y=(my-76)/2:l=(mx+10) [3721]
/2:r=(mx+154)/2:o=(my-70)/2
3440 u=(my-214)/2:IGMODUS,0:GOSUB 3600:ff= [2074]
1
3450 REM Tastaturabfrage [1424]
3460 !PFEIL,l,r,o,u,242,243,240,241,0,6,6, [3762]
@x,@y,@f
3470 t$=UPPER$(CHR$(f)):IF t$="Q" THEN RET [2813]
URN
3480 IF t$="T" THEN FOR n=8 TO 52 STEP 2:M [6604]
OVE mx+8,my-n:DRAW 100,0,0:NEXT:MOVE mx+1
0,my-10:RFILL,@a$:GOTO 3460
3490 IF t$="C" THEN GOSUB 3550:GOTO 3460 [2412]
3500 IF t$="O" AND t$<"4" THEN ff=VAL(t$) [2446]
:GOSUB 3530:GOTO 3460
3510 :WIDTH,5,5:PLOT x*2-4,y*2+4,ff:xi=(x* [3960]
2-mx)/12:yi=(my-y*2)/12-5
3520 st=xl+yi*12:ENCODE,ff,@f:MID$(a$,st+ [5287]
12,1)=CHR$(f):WIDTH,0,0:GOTO 3460
3530 TAG:PLOT 1000,1000,3:MOVE mx+124,my-8 [3567]
:PRINT USING"###";ff;
3540 RETURN [555]
3550 REM Editor loeschen [615]
3560 a$=STRING$(12,1)+STRING$(144,0)+STRIN [4041]
G$(12,1):WIDTH,72,72 '(!!!!!)
3570 PLOT mx+10,my-70,0:WIDTH,0,0:RETURN [1779]
3580 PLOT x*2-4,y*2+4,0:NEXT y,x:WIDTH,0, [3566]
0:RETURN
3590 REM String a$ auf Bildschirm bringen [2804]
3600 x5=mx+12:y5=my-72:st=25:WIDTH,5,5:z= [2761]
0
3610 WHILE st<169 [1026]
3620 a=ASC(MID$(a$,st,1)):ff=0 [2566]
3630 IF a=0 THEN ff=0 ELSE IF a=255 THEN f [1717]
f=3
3640 IF a=15 THEN ff=2 ELSE IF a=240 THEN [2329]
ff=1
3650 PLOT x5,y5,ff:x5=x5+12:st=st+1 [2394]
3660 z=z+1:IF z=12 THEN z=0:x5=mx+12:y5=y5 [1735]
-12
3670 WEND:WIDTH,0,0:RETURN [1111]

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10 MEMORY &8FFF:LOAD "probe",&9000 [1802]
20 REM Menue [645]
30 INK 0,1:INK 1,24:INK 2,6:INK 3,26 [1946]
40 PEN 1:PAPER 0:BORDER 0:MODE 1:PEN#1,1:P [2241]
APER#1,2
50 p=0:start=36864:ende=41108:le=ende-star [2990]
t:x=12:y=12
60 WINDOW 1,40,3,25:WINDOW#1,1,40,1,2:KEY [3164]
139,"mode 1:goto 11040":CHR$(13)
70 WINDOW#2,3,38,24,PEN#2,0:PAPER#2,1 [2500]
80 LOCATE#1,1,1:LOCATE#2,1,1:LOCATE 1,1 [2495]
90 PRINT#1,USING"Start: & End: & Himem: & " [4419]
;HEX$(start,4);HEX$(ende,4);"AB7B / A677";
100 IF p=0 THEN ps="off" ELSE ps="on " [2512]
110 PRINT#1,USING" Printerstate : [3198]

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```

&";p$;
120 CLS:PEN 2:LOCATE 1,3:PRINT TAB(8);CHR$ [3813]
(150);STRING$(24,154);CHR$(156)
130 GOSUB 320 [1012]
140 a$="1 - Gbasic verschieben":GOSUB 330 [2988]
150 GOSUB 320 [1012]
160 a$="2 - Merkzettel":GOSUB 330 [1910]
170 GOSUB 320 [1012]
180 a$="3 - Rastergroesse":GOSUB 330:GOSUB [3312]
320
190 a$="4 - Gbasic abspeichern":GOSUB 330 [3073]
200 GOSUB 320 [1012]
210 a$="C - Cat":GOSUB 330 [731]
220 GOSUB 320 [1012]
230 a$="P - Printer on / off":GOSUB 330 [2500]
240 GOSUB 320 [1012]
250 a$="E - Programmende":GOSUB 330:GOSUB [2695]
320
260 PRINT TAB(8);CHR$(147);STRING$(24,154) [2156]
;CHR$(153)
270 PRINT#2," Tippen Sie die entsprechende [3542]
Taste ";
280 PLOT 32,14,1:DRAW 574,0:PLOT 32,32:DR [2390]
AWR 574,0
290 a$="ECP1234":i$=UPPER$(INKEY$):IF i$=" [2403]
" THEN 290
300 t=INSTR(a$,i$):IF t=0 THEN 290 [1067]
310 ON t GOSUB 350,370,390,420,690,850,950 [2389]
:GOTO 80
320 a$="" [388]
330 PRINT TAB(8);CHR$(149);PEN 1:PRINT US [2075]
ING" \ \ "a$;
340 PEN 2:PRINT CHR$(149):RETURN [1787]
350 REM Programmende [984]
360 MODE 2:PEN 1:END [1168]
370 REM Catalog anzeigen [1213]
380 CLS:PEN 1:CAT:CALL &BB18:RETURN [395]
390 REM Drucker umstellen [1339]
400 IF p=0 THEN p=8 ELSE p=0 [773]
410 RETURN [555]
420 REM MC-Programm verschieben [2082]
430 CLS:PEN 1:st=start [1077]
440 LOCATE 4,4:PRINT"Eingabe der Anfangsad [3506]
resse (A)"
450 LOCATE 11,6:PRINT"oder der Endadresse [1099]
(E) ?"
460 a$=UPPER$(INKEY$):IF a$="" THEN 460 [1824]
470 IF a$<"A" AND a$<"E" THEN 460 [1431]
480 LOCATE 3,10:IF a$="A" THEN INPUT "Neue [4270]
Anfangsadresse "a
490 IF a$="E" THEN INPUT "Neue Endadresse [1706]
"a
500 IF a<0 THEN a=a+65536 [1042]
510 IF a$="E" THEN a=a-4244 [1012]
520 IF a<10000 THEN PRINT:PRINT:PRINT"DAS [5586]
GEHT NICHT !!!!!":FOR n=0 TO 3000:NEXT:RET
URN
530 n=MIN(a,start):MEMORY n-2 [1281]
540 start=a:ende=a+4244:nst=a [1476]
550 PRINT:PRINT" Adressen werden angeglic [4083]
en ":GOSUB 990
560 PRINT:PRINT" Das Programm wird verscho [2179]
ben"
570 IF off2=0 THEN RETURN [1837]
580 IF off2>0 THEN GOTO 640 [1283]
590 REM Per Basic-"LDDR" verschieben [2016]
600 de=nst+4244:hl=st+4244:bc=4245 [2277]
610 WHILE bc>0:bc=bc-1 [1074]
620 POKE de,PEEK(hl):de=de-1:hl=hl-1:WEND [935]
630 MEMORY nst-2:RETURN [1486]
640 REM Per Basic-"LDIR" verschieben [1790]
650 de=nst:hl=st:bc=4245 [1135]
660 WHILE bc>0:bc=bc-1 [1074]
670 POKE de,PEEK(hl):hl=hl+1:de=de+1:WEND [1467]
680 RETURN [555]
690 REM Notizzettel auf Drucker / Bildschi [3648]
rm
700 of=&90*256-start:b1=38595-of:b2=39235- [3024]
of:dp=39941-of
710 CLS:PEN 1:LOCATE 1,1:PRINT#p [844]
720 PRINT#p," Anfang von GBASIC ";H [4980]
EX$(start,4);"/";start:PRINT#p
730 PRINT#p," Ende von GBASIC ";H [3176]
EX$(ende,4);"/";ende:PRINT#p
740 PRINT#p," Bufferadresse bei RFILL ";H [5819]
EX$(b1,4);"/";b1:PRINT#p
750 PRINT#p," 1. Buffer bei T/Wdraw ";H [4137]
EX$(b1,4);"/";b1:PRINT#p
760 PRINT#p," 2. Buffer bei T/Wdraw ";H [4787]

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EX$(b2,4);" /";b2:PRINT#p
770 PRINT#p," Adresse des Pfeiles ";H [3719]
EX$(dp,4);" /";dp:PRINT#p
780 PRINT#p," Rastergroesse (X) ";x: [5154]
PRINT#p
790 PRINT#p," Rastergroesse (Y) ";y: [4123]
PRINT#p
800 PRINT#p," Stringformat bei RFILL / PRA [4270]
STER:":PRINT#p
810 PRINT#p,USING" a$=STRING$(##_,1)+"x [3056]
820 PRINT#p,USING" ### Zeichen Rasterda [3173]
ten";x*y
830 PRINT#p,USING" +STRING$(##_,1)"x [1924]
840 CALL &BB18:RETURN [1296]
850 REM Rastergroesse bei RFILL/PRASTER ei [1740]
nstellen
860 CLS:PEN 1:LOCATE 4,6:INPUT "X-Groesse [2455]
bei PRASTER / RFILL ";xx
870 LOCATE 4,8:INPUT "Y-Groesse bei PRASTE [3681]
R / RFILL ";yy
880 IF xx*yy+xx*2>256 THEN PRINT" Raster [6291]
ist zu gross !":FOR n=0 TO 3000:NEXT:RET
URN
890 x=xx:y=yy:of=&90*256-start:RESTORE 900 [3206]
:xy=x*y
900 DATA 9E48,9E4E,9E7F,9F89,9FD3,9FEB,A00 [1906]
6
910 FOR n=1 TO 7:READ a$:a=VAL("&"+a$)-of: [3204]
POKE a,x:NEXT
920 DATA 9E4D,9FC1,9FC8 [909]
930 FOR n=1 TO 3:READ a$:a=VAL("&"+a$)-of: [4130]
POKE a,y:NEXT
940 POKE &9FF7-of,xy:POKE &A010-of,xy:RETU [2436]
RN
950 REM MC-programm abspeichern [2614]
960 CLS:PEN 1:LOCATE 4,6:INPUT "Dateiname [1389]
";d$
970 SAVE ""+d$,b,start,4245,0 [1896]
980 RETURN [555]
990 REM MC-Programm (akt. Pos.: st neue Po [3462]
s.: nst) verschieben
1000 RESTORE 1070 [721]
1010 REM [272]
1020 REM Daten der zu veraendernden Adress [1365]
en
1030 REM !XX : laufendes High-Byte veraend [2229]
ern
1040 REM XX : Adresse, nur Low-Byte davon [1484]
1050 REM -> Adresse = laufendes High-Byte [2976]
* 256 + Low-Byte
1060 REM [272]
1070 DATA !90,04,07,0A,10,14,17,1A,1D,20,2 [2311]
3,26,29
1080 DATA 2C,2F,32,35,38,3B,3E,41,44,47,4A [2365]
,4D
1090 DATA 50,53,56,59,5C,5F,62,65,68,6B,6E [2520]
,!91,10
1100 DATA 12,1C,36,3C,40,46,4C,4F,55,5A,5D [2258]
,63,68
1110 DATA 7A,7D,8F,A1,A7,AC,B5,B8,BB,C1,CA [2565]
,CD,D4
1120 DATA D9,E2,E5,F2,F8,!92,02,07,0F,12,1 [2732]
C,20,44
1130 DATA 4E,55,60,66,78,7F,8E,91,A6,AC,C6 [1574]
,C9,CE
1140 DATA D7,DA,EA,FD,FF,!93,03,08,0B,10,1 [692]
9,23,2A
1150 DATA 2E,33,36,39,40,45,50,56,5F,65,68 [849]
,6B,6E
1160 DATA 73,79,7F,83,88,8B,8F,95,A7,AD,B5 [2465]
,BC,C1
1170 DATA C8,CD,D0,D6,DA,E0,!94,08,0B,2A,2 [2855]
E,35,40
1180 DATA 43,55,58,5B,7C,93,9C,A4,B7,C3,CB [2240]
,D4,DC
1190 DATA E7,EB,!95,02,05,0E,14,1A,1F,28,3 [2074]
3,36,3A,3D
1200 DATA 45,49,4C,50,53,56,5E,65,6C,71,79 [1898]
,85,8D
1210 DATA 93,9A,A1,A4,A8,AE,B5,BC,C1,C4,C8 [1487]
,CB,CF
1220 DATA D9,E1,EE,F2,FD,!96,08,1A,2D,38,6 [2504]
1,8A,B0
1230 DATA BB,C0,!9B,C4,C8,D5,!9C,16,2E,36, [2610]

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39,3D,43
1240 DATA 46,4A,51,54,5D,60,64,6D,70,74,77 [1849]
,7A,7D
1250 DATA 8C,90,96,9C,A2,AB,AE,B6,B9,BD,C6 [2402]
,C9,CF
1260 DATA D2,D5,DE,E1,E5,E8,EB,EE,F1,F5,F8 [1942]
,FF,!9D,13
1270 DATA 18,1B,20,23,29,2C,33,41,4E,5A,64 [1838]
,6B,6E
1280 DATA 75,78,7F,82,85,8A,8E,91,96,99,A6 [2413]
,AE,B1
1290 DATA B6,B9,BF,C5,D6,E5,ED,F1,F8,FD,!9 [3328]
E,0A,1D
1300 DATA 22,35,3A,3E,42,45,51,55,5A,60,63 [1349]
,67,6A
1310 DATA 71,74,7C,83,89,96,99,9C,9F,A8,AB [2348]
,B1,BA
1320 DATA CE,D3,E7,EE,!9F,06,0D,15,2B,33,3 [2585]
6,3D,40
1330 DATA 43,54,69,6D,83,86,8E,91,AB,AF,C5 [1634]
,CC,D7
1340 DATA DD,E1,E8,FC,!A0,03,17,22,33,42,5 [2627]
E,67,76
1350 DATA 8A [254]
1360 ps=0:bst=&90*256:off1=bst-st:off2=st- [1804]
nst
1370 FOR n=1 TO 353 [1039]
1380 READ a$:IF LEN(a$)=3 THEN hb=VAL("&"+ [4041]
MID$(a$,2)):na=0:GOTO 1380
1390 adr=VAL("&"+a$)+hb*256:IF na>adr THE [3468]
N PRINT"Fehler in den Datas !":END
1400 na=adr:b=adr-off1:a=PEEK(b)+PEEK(b+1) [3060]
*256:a=a-off2
1410 h=INT(a/256):POKE b,a-h*256:POKE b+1, [2567]
h:NEXT
1420 RETURN [555]
2000 REM ***** [1576]
2010 REM * [403]
2020 REM * GTUNER * [693]
2030 REM * [403]
2040 REM * Verschiebt und patcht * [2166]
2050 REM * "PROBE.BIN" (GBASIC) * [1786]
2060 REM * [403]
2070 REM * COPYRIGHT SEPTEMBER 1986 * [1753]
2080 REM * [403]
2090 REM * BY DIETER BRAUN * [2264]
2100 REM * [403]
2110 REM ***** [1576]

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