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10 'XXXXXXXXXXXXXXXXX      [8E3A]
20 '  SHAPE-DATA  2      [48FC]
30 '2(c) by M.Hoger 2      [8DA6]
40 '2 october 1985 2      [C974]
50 'XXXXXXXXXXXXXXXXX      [CE42]
60 '                      [845A]
70 MEMORY 584FF:DEFINT a-z:NODE 1      [18D4]
80 adresse=58580      [373E]
90 FOR n=0 TO 59:suns=0      [828A]
100 FOR n1=0 TO 31      [6D96]
110 READ a$;wert=VAL("&" +a$)      [85F4]
120 POKE adresse,wert:suns=suns+wert      [647E]
130 adresse=adresse+1      [7336]
140 NEXT n1      [4DE6]
150 READ a$;s=VAL("&" +a$)      [1426]
160 IF s<>suns THEN PRINT "Datenfehler"
    in Zeile";280+n+10:END      [DE52]
170 NEXT      [69EE]
180 CLS:PRINT "(6 SPACE)Daten fehlerfrei
    eingelesen.(8 SPACE)Speichern Sie d
    ie Daten jeweils mit"      [8ED8]
190 LOCATE 5,5:PRINT "SAVE ``shape-code``
    ",b,58580,5780":PRINT:PRINT:PRINT "h
    inter eines der beiden(2 SPACE)Haupt
    programme.":END      [1AB2]
200 DATA 01,0E,05,21,0A,05,C0,01,0C,C9,0
    0,00,00,00,1F,05,C3,3C,05,C3,49,07,C
    3,E0,09,C3,15,0A,C3,06,0A,53,E2E      [AF04]
210 DATA 45,54,53,C0,40,4F,54,45,53,C0,5
    3,57,41,50,53,C0,43,4C,52,53,C0,53,4
    0,4F,4F,53,C0,00,FE,04,C0,00,040      [3E46]
220 DATA 7E,06,3D,32,CA,05,FE,20,00,C0,3
    F,06,0D,7E,04,3D,FD,77,00,FE,20,02,0
    F,05,FE,10,02,49,05,06,06,FD,FE0      [C00C]
230 DATA 70,05,FD,36,06,10,C3,72,05,06,0
    4,FD,70,05,FD,36,06,10,00,7E,02,C0,2
    7,0A,14, 06,C0,3F,21,0,07,0E,C70      [3450]
240 DATA 0A,0F,05,FD,77,01,00,FD,77,02,2
    1,01,07,0E,02,0F,05,0D,7E,00,C0,27,D
    A,29,06,C0,3F,E6,FE,21,02,07,1074      [22BC]
250 DATA 0E,0A,0F,05,FD,77,03,00,FD,77,0
    4,21,03,07,0E,02,0F,05,AF,FD,77,07,3
    2,05,07,C0,52,06,02,C0,05,06,107F      [14BE]
260 DATA 30,AF,FD,77,00,FD,23,10,F9,C9,0
    0,26,00,FD,7E,03,6F,29,29,29,E5,29,2
    9,01,19,16,C0,FD,5E,01,19,FD,044      [43C6]
270 DATA E5,FD,4E,05,C0,39,FD,75,00,FD,7
    4,09,E5,11,00,00,06,07,19,FD,75,0A,F
    D,74,00,FD,23,FD,23,10,F3,E1,E6D      [6030]
280 DATA 0D,CA,0F,06,FD,23,FD,23,11,50,0

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Listing 1. Basic-Header für Sprite-Befehle

	8,19,C3,E6,85,FD,E1,C3,86,87,ED,5F,E 6,3F,5F,ED,5F,E6,87,83,3C,21,F68	[4386]
298	DATA 88,87,8E,DA,14,86,C3,83,85,ED,5 F,E6,1F,5F,ED,5F,E6,87,83,6A,FE,21,8 2,87,8E,DA,29,86,C3,A4,85,FD,11AE	[8238]
308	DATA 21,82,8C,3A,CA,85,FE,88,C8,47,1 1,38,88,FD,19,18,FC,C9,86,1F,21,82,8 C,23,AF,32,FF,86,32,FD,86,11,DFC	[A184]
318	DATA 38,88,FD,4E,82,79,8E,D2,74,86,1 9,7A,32,FD,86,79,18,F3,AF,C9,C2,88,8 6,3A,85,87,FE,82,C2,6A,86,3E,F4A	[888A]
328	DATA 81,32,FD,86,23,C3,B1,86,3E,1F,9 8,57,3A,CA,85,8A,16,88,CA,6A,86,23,7 E,FD,8E,81,D2,A1,86,28,C3,6A,ED8	[E728]
338	DATA 86,C2,81,86,3A,85,87,FE,81,C2,F 9,86,3E,81,32,FD,86,FD,7E,84,23,8E,8 A,FD,86,C2,CF,86,3A,FD,86,FE,1283	[11E8]
348	DATA 88,C2,F8,86,3A,85,87,FE,88,C2,F 8,86,C3,EA,86,23,7E,FD,8E,83,DA,F7,8 6,C2,EA,86,3A,FD,86,FE,88,C2,12E4	[431C]
358	DATA F7,86,3A,85,87,FE,84,C2,F7,86,3 E,1F,98,3C,32,FF,86,AF,21,FE,86,8E,C 9,28,28,28,C3,6A,86,88,81,88,E74	[151E]
368	DATA 88,58,88,32,88,88,FD,7E,88,D6,1 8,DA,1A,87,21,FF,A8,CA,2C,87,11,48,8 8,C3,28,87,21,7F,93,11,98,88,83A	[31AC]
378	DATA FD,7E,88,D6,88,CA,2C,87,47,19,1 8,FD,FD,4E,86,86,88,C3,FD,7E,85,FD,5 E,88,FD,56,89,4F,ED,88,FD,23,EA2	[3DA8]
388	DATA FD,23,C1,88,C8,C3,C3,35,87,D6,8 2,C8,32,FF,86,DD,7E,88,C8,27,DA,7D,8 7,C8,3F,FS,DD,7E,82,3D,32,CA,1189	[818A]
398	DATA 85,CD,3F,86,3E,8F,FD,8E,89,E1,D 8,7C,3D,CA,F8,87,3D,CA,57,88,3D,CA,8 6,88,3D,CA,33,89,C9,DD,4E,82,116F	[79C8]
408	DATA FD,21,C8,87,11,83,88,86,88,79,F D,8E,88,CA,A6,87,FD,19,18,F6,FD,21,E 8,87,86,88,AF,FD,8E,88,CA,86,F68	[1C3E]
418	DATA 87,FD,19,18,F6,C9,AF,FD,8E,81,C A,86,87,FD,35,81,FD,7E,82,C3,D8,87,F D,71,88,ED,5F,E6,88,FD,77,81,11D3	[FD54]
428	DATA ED,5F,E6,83,3C,FE,83,CA,D5,87,F E,82,C2,D8,87,FD,34,81,FD,34,81,FD,3 4,81,FD,77,82,FS,79,C3,5D,87,188A	[3FDC]
438	DATA 88,88,88,88,88,88,88,88,88,88,8 8,88,88,88,88,88,88,88,88,88,88,8 8,88,3A,88,87,FD,8E,81,C8,3E,383	[A86E]
448	DATA 81,32,85,87,CD,52,86,D8,FD,35,8 2,FD,35,81,FD,7E,88,FE,8C,D2,33,88,F D,7E,87,FE,84,D2,38,88,FE,82,EC3	[E518]
458	DATA D2,24,88,FD,34,88,FD,34,88,FD,3 6,87,84,C3,33,88,CD,B1,89,FD,5E,85,F	

10		[80D0]
20	'XXXXXXXXXXXXXXXXXXXX'	[125A]
30	'X' X	[54A0]
40	'X' CPC-SHAPEPLOTTER X	[8FE6]
50	'X' (c) by M.Hoger X	[81AA]
60	'X' oktober 85 X	[3734]
70	'X' X	[54B0]
80	'XXXXXXXXXXXXXXXXXXXX'	[8666]
90	'	[CEA0]
100		[DEB0]
110		[CEF2]
120	MEMORY &B4FF:DEFINT b-r,t-z:scotgro=0 scotkle=0:scotrun=0:scenfl=0	[E622]
130	MODE 1:INK 0,0:BORDER 0:INK 1,20:PEN 1:INK 2,2:GOSUB 2700:'-informatione n 1-	[A02E]
140	LOAD "1":CALL &B500	[FBB6]
150	GOSUB 2820:'-info 2-	[81B6]
160	FOR spei0=37755 TO 42239:POKE spei0, 0:NEXT:GOSUB 2880:'-speicherbereich loeschen-	[764E]
500	-----	[82F0]
510	'-hauptmenue-	[C6E6]
520	-----	[3CF4]
530	ende=1:WHILE ende=1:MODE 1:INK 1,20: PEN 1:LOCATE 13,1:PRINT "(CTRL X)(12 SPACE)(CTRL X)":LOCATE 13,2:PRINT " (CTRL X) HAUPTMENUE (CTRL X)"	[3CA2]
540	LOCATE 13,3:PRINT "(CTRL X) ----- -- (CTRL X)":' "(CTRL X)"=CTRL+x	[E346]
550	MOVE 64,352:DRAW 496,352,1:DRAW 496, 40:DRAW 64,40:DRAW 64,352	[1A2B]
560	LOCATE 6,5:PRINT "1 SHAPE erstellen gross":LOCATE 6,7:PRINT "2 SHAPE ers tellen klein":LOCATE 6,9:PRINT "3 SH APE erstellen 'RUN'"	[5BF4]
570	LOCATE 6,11:PRINT "4 SHAPE aendern": LOCATE 6,13:PRINT "5 SHAPE bewegen": LOCATE 6,15:PRINT "6 SHAPES zeigen ([E2B6]
580	LOCATE 6,17:PRINT "7 Motivspeicher l aden":LOCATE 6,19:PRINT "8 Motivspei cher speichern":LOCATE 6,21:PRINT "9	

Listing 2. Gestalten Sie Ihre eigenen Shapes

Ende":LOCATE 9,24:PRINT "Nummer ein geben !"	[37F83]
590 WHILE INKEY#(<)"":WEND:eing#="":WHILE eing#="":eing#=INKEY#:eing=VAL(eing #):IF eing<1 OR eing>9 THEN eing#="" :WEND	[7F983]
600 ON eing GOSUB 1000,1100,1200,1300,14 00,1500,1600,1700,1800:WEND	[8D163]
610 '-ende-	[76A83]
620 INK 0,1:BORDER 1:INK 1,24:PEN 1:MODE 1:END	[8D7C3]
1000 -----	[8FA23]
1010 '-SHAPE gross-	[8F443]
1020 -----	[E7A63]
1030 IF motgro>11 THEN GOSUB 1940:RETURN ELSE MODE 0:speicher=39487+motgro* 144:motnr=13+motgro:motgro=motgro+1 :POKE 37757,motgro	[40543]
1040 anfang1=58801:breite=6:hoehe=3:xadr =392:yadr=16:xstart=386:ystart=70:x max=228:ymax=230	[86A83]
1050 FOR n=386 TO 626 STEP 20:MOVE n,70: DRAW n,310,6:NEXT:FOR n=70 TO 310 S TEP 10:MOVE 386,n:DRAW 626,n:NEXT	[368E3]
1070 GOSUB 2100:IF motnr<13 AND anfl<>2 THEN RETURN ELSE GOSUB 1900:RETURN	[9F1A3]
1100 -----	[72A43]
1110 '-SHAPE klein-	[D3103]
1120 -----	[AAAB3]
1130 IF motkle>15 THEN GOSUB 1940:RETURN ELSE speicher=41215+motkle*64:motnr =25+motkle:motkle=motkle+1:POKE 37 758,motkle	[7AF63]
1140 anfang1=58493:breite=4:hoehe=2:xadr =400:yadr=112:xstart=426:xmax=140:y start=150:ymax=150	[8F563]
1150 MODE 0:FOR n=426 TO 586 STEP 20:MO VE n,150:DRAW n,310,6:NEXT:FOR n=15 0 TO 310 STEP 10:MOVE 426,n:DRAW 58 6,n:NEXT	[7F6A3]
1170 GOSUB 2100:GOSUB 1900:RETURN	[C9243]
1200 -----	[CCF23]
1210 '-RUN-SHAPE-	[54F03]
1220 -----	[8BF63]

	D, 46, 86, AF, 57, FD, E5, FD, 66, 89, FA2	[8354]
468	DATA FD, 6E, 88, 28, FD, 74, 89, FD, 75, 88, 1 9, 77, FD, 23, FD, 23, 18, E9, FD, E1, C3, 86, 8 7, 3A, 81, 87, FD, 8E, 82, C8, 3E, 82, F12	[C65E]
478	DATA 32, 85, 87, CD, 52, 86, D8, FD, 34, 81, F B, 34, 82, FD, 7E, 88, FE, 8C, D2, 97, 88, FD, 7 E, 87, D6, 84, DA, 94, 88, CB, 3F, C8, 183D	[86DA]
488	DATA 3F, D2, 87, 88, FD, 35, 88, FD, 35, 88, F D, 35, 88, FD, 34, 87, 88, C3, 97, 88, CD, B1, 8 9, FD, 46, 86, AF, FD, E5, FD, 66, 89, 181F	[A8A2]
498	DATA FD, 6E, 88, 77, 23, FD, 74, 89, FD, 75, 8 B, FD, 23, FD, 23, 18, EC, FD, E1, C3, 86, 87, 3 A, 82, 87, FD, BE, 83, C8, 3E, 84, 32, F28	[2E54]
508	DATA 85, 87, CD, 52, 86, D8, FD, 35, 83, FD, 3 5, 84, FD, 7E, 88, FE, 8C, DC, B1, 89, FD, E5, 1 1, 28, 88, FD, 7E, 88, FE, 18, DA, E4, 1879	[83DC]
518	DATA 88, 11, 18, 88, D5, FD, 6E, 85, FD, 19, C D, D1, 89, FD, 28, FD, E5, D1, 21, 88, 88, 19, E B, C1, ED, 88, FD, E1, FD, E5, FD, 66, 12C4	[7C5A]
528	DATA 11, FD, 6E, 18, FD, 7E, 83, 84, 84, CB, 3 F, D2, 1D, 89, 11, 88, 37, 19, FD, 74, 8F, FD, 7 5, 8E, FD, 28, FD, 28, 85, 11, 88, 88, C15	[8CF8]
538	DATA ED, 52, FD, 74, 8F, FD, 75, 8E, FD, 28, F D, 28, 18, F2, FD, E1, C3, 86, 87, 3A, 83, 87, F D, 8E, 84, CB, 3E, 88, 32, 85, 87, CD, FDB	[83F4]
548	DATA 52, 86, D8, FD, 34, 84, FD, 34, 83, FD, 7 E, 88, FE, 8C, DC, B1, 89, FD, E5, FD, 6E, 85, C D, D1, 89, FD, E5, D1, 21, 88, 88, 19, 1122	[55D6]
558	DATA FD, E1, FD, E5, FD, 7E, 88, 81, 28, 88, F E, 18, DA, 72, 89, 81, 18, 88, C5, ED, 88, C1, F D, E1, FD, E5, FD, 7E, 83, FD, 89, FD, 12DC	[D888]
568	DATA 66, 87, FD, 6E, 86, 86, 84, CB, 3F, D2, 9 C, 89, 11, AF, 37, ED, 52, FD, 74, 89, FD, 75, 8 B, FD, 23, FD, 23, 85, 11, 88, 88, 19, C8A	[4FE8]
578	DATA FD, 74, 89, FD, 75, 88, FD, 23, FD, 23, 1 8, F3, FD, E1, C3, 86, 87, FD, 7E, 87, 4F, CB, 3 F, D2, CB, 89, CB, 3F, D2, C8, 89, FD, 1298	[E978]
588	DATA 35, 88, 79, E6, FC, C3, CD, 89, FD, 34, 8 8, 79, 3C, FD, 77, 87, C9, AF, 8E, 84, FD, 5E, 8 B, FD, 56, 89, 45, 12, 13, 18, FC, FD, EC6	[1C7E]
598	DATA 23, FD, 23, 88, C2, D4, 89, C9, FE, 82, C 8, D8, 7E, 82, 3D, 32, CA, 85, CD, 3F, 86, AF, F D, BE, 82, C8, FD, 56, 88, D8, 7E, 88, 1887	[5332]
608	DATA 3D, D5, FD, E5, FD, 77, 88, CD, 86, 87, F D, E1, D1, 3E, 8C, 84, D8, FD, 72, 88, C9, FE, 8 8, CA, 39, 8A, FE, 81, C8, D8, 7E, 88, 122A	[C566]
618	DATA 3D, 32, CA, 85, CD, 3F, 86, AF, FD, BE, 8 2, CB, 21, 46, 8A, FD, E5, CD, 2C, 87, FD, E1, C 3, 8F, 85, 3E, 81, 32, 31, 8C, CD, B1, 1138	[6636]
628	DATA 88, AF, 32, 31, 8C, C9, 88, 88, 88, 88, 8 8, 88, 88, 88, 88, 88, 88, 88, 88, 88, 88, 88, 8 8, 88, 88, 88, 88, 88, 88, 88, 88, 88, 2F2	[8E3A]

630	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	[0000]
640	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	[5300]
650	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	[C300]
660	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		E,02,C2,01,00,32,FF,06,21,32,400	[0004]
670	DATA	0C,11,0A,00,06,06,AF,32,04,07,0	
		E,CA,F2,0A,19,10,FF,C9,D0,7E,02,77,3	
		D,32,CA,05,CD,3F,06,3E,0F,FD,E2C	[9C0A]
680	DATA	0E,09,00,00,4E,00,E5,D0,E1,FD,7	
		E,05,47,C0,3F,FD,5E,03,03,D0,77,03,3	
		C,D0,77,04,FD,5E,04,16,00,FD,F74	[17E4]
690	DATA	7E,01,FD,19,FD,66,09,FD,6E,00,F	
		D,56,00,FD,5E,0A,FE,04,FD,4C,0C,00,F	
		1,FE,4C,D2,7C,00,D0,71,05,C0,1111	[2FA6]
700	DATA	39,DA,56,00,00,23,13,10,FC,C3,5	
		9,00,79,FE,01,C2,36,00,F1,C3,7C,00,3	
		D,20,10,CD,5F,00,C3,01,00,D0,FF9	[67AA]
710	DATA	77,01,3C,D0,77,02,D0,75,06,D0,7	
		4,07,D0,75,00,D0,72,09,5E,01,32,04,0	
		7,ED,5F,77,12,C9,D0,36,00,00,C17	[0E6A]
720	DATA	C9,FD,31,32,0C,AF,32,FF,06,06,0	
		6,11,0A,00,FD,0E,00,C2,A3,00,FD,19,1	
		0,F6,C9,C1,11,0A,00,AF,FD,19,E63	[0C24]
730	DATA	10,EC,C9,C5,FD,7E,00,3D,32,CA,0	
		5,FD,56,07,FD,5E,06,FD,66,09,FD,6E,0	
		0,AF,12,77,3A,31,0C,FE,01,CA,F55	[03C2]
740	DATA	2A,0C,FD,7E,05,C0,3F,DA,EC,00,3	
		A,01,07,3D,3D,FD,0E,02,DA,2A,0C,FD,3	
		4,01,FD,34,02,3E,01,FD,34,02,DF1	[F9EE]
750	DATA	23,23,13,13,3E,02,32,05,07,C3,0	
		B,0C,3A,00,07,3C,3C,FD,0E,02,D2,2A,0	
		C,FD,35,01,FD,35,01,FD,35,02,ADC	[040C]
760	DATA	FD,35,02,20,20,10,10,AF,32,05,0	
		7,ED,D0,C0,52,06,D1,E1,5A,FF,06,FE,0	
		0,C2,24,0C,FD,E5,D0,E1,CD,66,1140	[26FA]
770	DATA	00,C3,99,00,C1,FD,36,00,00,C9,F	
		D,36,00,00,C3,99,00,00,00,00,00,00,0	
		0,00,00,00,00,0 00,00,00,00,00,049	[1D42]
780	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	[7A12]
790	DATA	00,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	
		0,00,00,00,00,00,00,00,00,00,00,00,0	[2A14]

1230	IF motrun>2 THEN GOSUB 1940:RETURN ELSE MODE 0:speicher=37759+motrun*5 76:motnr=4*agrun+1:motrun=motrun+1 :POKE 37756,motrun	[20FA]
1240	GOSUB 1040:xabs1=392:xabs2=560:GOSUB 1290:anf angl=50996:speicher=speic her+144:GOSUB 2640	[AFFC]
1250	MODE 0: !SETSH,motrun,motnr,57,42:mo tnr=motnr+2: !SETSH,motrun,motnr,64, 42:speicher=speicher-288	[3946]
1260	GOSUB 1040:xabs2=616:GOSUB 1290:anf angl=50983:speicher=speicher+144:GO SUB 2640	[5A06]
1270	motnr=motnr-2:GOSUB 1980: !CLASH,1:R ETURN	[D076]
1280	"-SHAPE kopieren-	[56B4]
1290	FOR a=16 TO 62 STEP 2:FOR n=1 TO 48 STEP 4: !PLOT xabs2-n,a,TEST(xabs1+n ,a):NEXT:NEXT:RETURN	[F440]
1300	!-----	[615C]
1310	"-SHAPE aendern-	[B1A6]
1320	!-----	[7060]
1330	CLS:LOCATE 10,6:PRINT "Motivnummer eingeben":LOCATE 10,8:INPUT " ",mot nr:IF motnr<1 OR motnr>48 THEN GOTO 1330 ELSE IF motnr>24 THEN aenfl=2 ELSE aenfl=1	[E00E]
1350	MODE 0:IF aenfl=1 THEN speicher=377 59+(motnr-1)*144:abreit=46:xshape=4 9:yshape=42:GOSUB 1040: !CLASH,1:RET URN ELSE speicher=41215+(motnr-25)* 64:abreit=32:xshape=61:yshape=32:GO SUB 1140: !CLASH,1:RETURN	[FF7A]
1360	: !SETSH,1,motnr,xshape,yshape:FOR na =xadr TO xadr+abreit STEP 4:FOR aa= yadr TO yadr+abreit STEP 2: !a3=TEST (na,aa):u=(na-xadr)*5:y=(aa-yadr)*5 :GOSUB 2610:NEXT:NEXT:aenfl=0:RETUR N	[0510]
1400	!-----	[445E]
1410	"-SHAPE bewegen-	[C4AA]
1420	!-----	[2062]
1430	CLS:LOCATE 10,10:PRINT "Motivnummer eingeben":LOCATE 10,12:INPUT motnr :IF motnr>48 THEN CLS:GOTO 1430	[D100]

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1440 MODE 0:PEN 12:POKE 58&FA,44:GOSUB 1
    950:WINDOW 1,20,23,25:PRINT "(CTRL
    X) Pfeiltasten-RichtungCOPY-Zufallsb
    ewegungLeertaste - Ende -(2 SPACE):(
    CTRL X)":SETSH,1,motr,30,20:"CTR
    L>
1450 IF NOT INKEY(8) THEN richt=1:GOSUB
    1400 ELSE IF NOT INKEY(1) THEN richt=2:GOSUB 1400 ELSE IF NOT INKEY(0)
    THEN richt=3:GOSUB 1400 ELSE IF NOT INKEY(2) THEN richt=4:GOSUB 1400
1460 IF NOT INKEY(9) THEN richt=120:FOR
    n1=1 TO 40:GOSUB 1400:FOR n2=1 TO 2
    0:NEXT:NEXT
1470 IF NOT INKEY(47) THEN POKE 58&FA,50
    :CLRSH,motr:RETURN ELSE GOTO 1450
1480 :MOVESH,1,richt:FOR n=1 TO 90:NEXT:
    RETURN
1500 "-----
1510 "-SHAPES zeigen (alle)-
1520 "-----
1530 MODE 0:PEN 12:GOSUB 1950:IF motrun=
    0 THEN PRINT "(2 SPACE)Keine Runsh
    apes":GOTO 1540 ELSE LOCATE 8,1:PRI
    NT "1 -":motrun=4:FOR zeig=0 TO mot
    run-1:SETSH,zeig+1,zeig+4+1,zeig+2
    3+3,4:NEXT
1540 IF motgro=0 THEN LOCATE 1,7:PRINT "
    keine grossen Shapes":GOTO 1560 ELB
    E LOCATE 7,7:PRINT "13 -":motgro+12
    :FOR zeig=0 TO 5:SETSH,13,zeig+13,
    zeig+12+5,14:NEXT
1550 FOR zeig=0 TO 5:SETSH,13,zeig+19,z
    eig+12+5,24:NEXT:IF motrun=0 AND mo
    tgro=0 AND motkle=0 THEN LOCATE 1,1
    7:PRINT "Keine kleinen Shapes":LOCA
    TE 8,25:PRINT "TASTE":WHILE INKEY#="
    ":WEND:RETURN
1560 IF motkle=0 THEN LOCATE 1,17:PRINT
    "Keine kleinen Shapes" ELSE LOCATE
    7,17:PRINT "25 -":motkle+24
1570 FOR zeig=0 TO 7:SETSH,25,zeig+25,z
    eig+9+5,34:NEXT:FOR zeig=0 TO 7:SE
    TSH,25,zeig+33,zeig+9+5,42:NEXT:ric

```



```

ht=2:help=1:WHILE INKEY#("<")<""<:WEND:L
OCATE 8,25:PRINT "TASTE" [F852]
1580 FOR mov=1 TO motrun:MOVESH,MOV,ric
ht:NEXT:help=help+1:IF help=20 THEN
  help=0:IF richt=2 THEN richt=1 ELSE
  richt=2 [CA78]
1590 FOR n=1 TO 30:IF INKEY#("<")<""< THEN FO
R n=1 TO 31:CLRSH,n:NEXT:RETURN EL
SE NEXT:GOTO 1580 [82CB]
1600 "-----" [887E]
1610 "-motivspeicher laden-" [671E]
1620 "-----" [E882]
1630 CLS:LOCATE 13,10:PRINT "Namen einge
ben":LOCATE 12,12:INPUT " ",name# [CB12]
1640 WINDOW 8,40,16,25:LOAD name#:motrun
=PEEK(37756):motgro=PEEK(37757):mot
kle=PEEK(37758):RETURN [78C2]
1700 "-----" [8CE8]
1710 "-motivspeicher speichern-" [219A]
1720 "-----" [CCEC]
1730 CLS:LOCATE 13,10:PRINT "Namen einge
ben":LOCATE 12,12:INPUT " ",name# [FF14]
1740 WINDOW 4,40,16,25:SPEED WRITE 1:SAV
E name#,b,37755,4404:SAVE "!"<name#
,b,37755,4404:SPEED WRITE 0 [3AA2]
1745 MODE 1:LOCATE 1,10:PRINT "Soll der
Motivspeicher gelöscht werden":LOC
ATE 11,12:PRINT "1. JA(3 SPACE)2. N
EIN ""<:GOSUB 2020:IF eing=2 THEN RE
TURN [8FCA]
1750 MODE 1:LOCATE 14,12:PRINT "BITTE WA
RTEN":LOCATE 8,14:PRINT "Speicher w
ird gelöscht":FOR spei0=37755 TO 4
2239:POKE spei0,0:NEXT
motrun=0:motgro=0:motkle=0:RETURN [94F4]
1760 "-----" [1218]
1800 "-----" [533C]
1810 "-ENDE-" [8ABE]
1820 "-----" [4548]
1830 LOCATE 4,24:INK 3,6:PEN 3:PRINT "(C
TRL X) Motive gespeichert ?? (J/N)
(CTRL X)":eing#=""<:WHILE eing#=""<
eing#<INKEY#<:WEND:PEN 1:IF eing#<="J
" OR eing#<="j" THEN ende=0:RETURN E
LSE CLS:RETURN [6FE8]
1900 "-----" [8C1C]
1910 "-kleine routinen-" [D8F8]
1920 "-----" [3C28]
1930 "-speicheransage-" [3868]
1940 MODE 0:LOCATE 4,12:PEN 3:PRINT "SPE
ICHER VOLL":FOR werten=1 TO 3000:NE
XT:RETURN [E8FB]
1950 "-farben-" [988C]
1960 RESTORE 1970:FOR n=0 TO 15:READ far
be:INK n,farbe:NEXT:RETURN [8492]
1970 DATA 0,0,16,15,6,3,13,12,9,18,24,26
,20,14,3,1 [887C]
1980 "-motivmuesser ausgeben-" [9648]
1990 CLS:PEN 12:LOCATE 1,8:PRINT "MOTIVM
UESSER":SETSH,1,motr,22,20:LOCATE 4
,15:PRINT motr:PEN 12:LOCATE 3,23:
PRINT "TASTE" [88CC]
2000 WHILE INKEY#=""<:WEND:CLRSH,1:RETUR
N [EA62]
2010 "-eingabe holen-" [C3CA]
2020 eing#=""<:WHILE eing#=""<:eing#<INKEY
#<:WEND [AD22]
2030 eing=VAL(eing#):IF eing<1 OR eing>2
THEN 2020 [65C8]
2040 CLS:RETURN [4FC4]
2100 "-----" [65EC]
2110 "-SHAPE erstellen u. ins RAM-" [58E2]
2120 "-----" [8DF8]
2130 "-rahmen-" [53C4]
2140 GOSUB 1950:WINDOW 2,11,2,24:MOVE 14
,2:DRAW 14,400,12:DRAW 630,400:DRAW
630,2:DRAW 14,2:MOVER 0,-2:DRAW 64
0,0 [853E]
2150 MOVER 0,398:DRAW 14,398:MOVE 370,0:
DRAW 370,398:MOVE 14,396:DRAW 630,3
96 [C184]
2190 z=1:FOR n=388 TO 612 STEP 16:FOR m=
1 TO 16 STEP 4:MOVE m+n,338:DRAW m+
n,386,z:NEXT m:z=z+1:NEXT n:xfasin=
300:xfasac=612 [5988]
2200 "-----" [D828]
2210 CLS:PEN 12:PRINT "Farbcursor":LOCAT
E 5,3:PRINT CHR$(242):" "CHR$(243)
:PEN 14:LOCATE 6,3:PRINT CHR$(233):
PEN 12 [A842]
2220 LOCATE 1,6:PRINT "SHAPEcurs.":LOCAT
E 5,8:PRINT "789" [82AC]
2230 LOCATE 5,9:PRINT "(3 SPACE)":LOCATE
5,10:PRINT "4 6":LOCATE 5,11:PRINT
"(3 SPACE)" [989A]
2240 LOCATE 5,12:PRINT "123":PEN 14:LOCA
TE 6,10:PRINT "5":PEN 12 [7D78]
2250 LOCATE 1,15:PRINT " CLR point":LOCA
TE 6,17:PEN 14:PRINT CHR$(143):PEN
12 [9C82]
2260 LOCATE 1,19:PRINT " SET point":LOCA
TE 6,21:PEN 14:PRINT "5":PEN 12 [4486]

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```

2270 LOCATE 1,23:PRINT "(2 SPACE)<R>eady
      ":IF aenfl>0 THEN GOSUB 1340 [212A]
2280 '-lastaturabfrage- [CASA]
2290 x=0:y=0:x1=0:y1=0:f13=1:f14=1:fa=1: [B6FA]
      xfa=380:GOSUB 2500:GOSUB 2550 [D69E]
2300 WHILE INKEY(50)=-1 [4000]
2310 IF NOT INKEY(8) AND xfa>xfa:in THEN [EDF4]
      xfa=xfa-16:fa=fa-1:GOSUB 2500 [AA02]
2320 IF NOT INKEY(11) AND xfa<xfa:ax THEN [3ABA]
      xfa=xfa+16:fa=fa+1:GOSUB 2500 [8DAC]
2330 IF NOT INKEY(18) THEN GOSUB 2450:GO [C5BC]
      SUB 2460:GOSUB 2550 [6F66]
2340 IF NOT INKEY(11) THEN GOSUB 2460:GO [2914]
      SUB 2550 [D3CE]
2350 IF NOT INKEY(3) THEN GOSUB 2460:GOS [83AC]
      UB 2470:GOSUB 2550 [7692]
2360 IF NOT INKEY(28) THEN GOSUB 2450:GO [DF66]
      SUB 2550 [12E8]
2370 IF NOT INKEY(4) THEN GOSUB 2470:GOS [7368]
      UB 2550 [7634]
2380 IF NOT INKEY(13) THEN GOSUB 2450:GO [1638]
      SUB 2480:GOSUB 2550 [8834]
2390 IF NOT INKEY(14) THEN GOSUB 2480:GO [C448]
      SUB 2550 [8C52]
2400 IF NOT INKEY(5) THEN GOSUB 2470:GOS [9E3E]
      UB 2480:GOSUB 2550 [1FF2]
2410 IF NOT INKEY(9) THEN fafl=1:GOSUB 2 [C2A0]
      400 [8196]
2420 IF NOT INKEY(12) THEN GOSUB 2600 [A7F6]
2430 WEND:WHILE INKEY<>"":WEND:GOSUB 26 [491A]
      40:RETURN [555A]
2440 '-cursorwarte- [1D02]
2450 IF x>x:ax THEN x=x-20:RETURN ELSE R [6FBE]
      ETURN [3500]
2460 IF y<y:ay THEN y=y+10:RETURN ELSE R [2E36]
      ETURN [588E]
2470 IF x<x:ax THEN x=x+20:RETURN ELSE R [DA92]
      ETURN [C88E]
2480 IF y<y:ay THEN y=y-10:RETURN ELSE R [5926]
      ETURN [6C3C]
2490 '-farbcursor- [945E]
2500 IF f13<>1 THEN GOSUB 2530 [FDC8]
2510 f13=0:xfal=xfal:fafl=0:GOSUB 2530:fa [B480]
      =fa [3FC4]
2520 FOR n=1 TO 280:NEXT:RETURN [8602]
2530 MOVE xfal,354:DRAW 12,12,fa1:MOVER [3EAE]
      -12,0:DRAW 12,-12:RETURN [4F26]
2540 '-SHAPEcursor- [8986]
2550 IF f14<>1 THEN fa2=TEST(xstart+x1+4 [2700]
      ,ystart+y1+6):GOSUB 2580 [FDC8]
2560 f14=0:x1=x:y1=y:IF TEST(xstart+x+10 [B480]
      ,ystart+y+5)=1 THEN fa2=0 ELSE fa2 [3FC4]
      =1 [8602]
2570 FOR n=1 TO 180:NEXT:GOSUB 2580:RETU [3EAE]
      RN [4F26]
2580 MOVE xstart+x1+0,ystart+y1+2:DRAW  [8986]
      0,6,fa2:MOVER 4,0:DRAW 0,-6:RETURN [2700]
2590 '-punkt setzen/loeschen- [FDC8]
2600 IF fafl=1 THEN fa3=0:fafl=0 ELSE fa [B480]
      3=fa [3FC4]
2610 FOR n=4 TO 16 STEP 4:MOVE xstart+x+ [8602]
      n,ystart+y+2:DRAW 0,6,fa3:NEXT:IF [3EAE]
      aenfl>0 THEN RETURN [4F26]
2620 PLOT xadr+x/5,yadr+y/5,fa3:GOSUB 25 [8986]
      50:RETURN [2700]
2630 '-SHAPE ins RAM- [FDC8]
2640 anfang=anfangl:zeile=00:linie=28+0: [B480]
      FOR n=1 TO hoehe:FOR m=1 TO 8:FOR k [3FC4]
      =0 TO breite-1 [8602]
2650 POKE speicher+k,PEEK(anfang+k):NEXT [3EAE]
      k:speicher=speicher+breite:anfang= [4F26]
      anfang+linie:NEXT m [8986]
2660 anfang=anfangl+n*zeile:NEXT n:RETUR [2700]
      N [FDC8]
2700 '----- [B480]
2710 '-informationen - [3FC4]
2720 '----- [8602]
2730 LOCATE 14,1:PRINT "(CTRL X)(14 SPAC [3EAE]
      E)(CTRL X)":LOCATE 14,2:PRINT "(CTR [4F26]
      L X) SHAPEPLOTTER (CTRL X)":LOCATE [8986]
      14,3:PRINT "(CTRL X) ----- ( [2700]
      CTRL X)":PRINT: CTRL X [FDC8]
2740 PRINT "Mit(2 SPACE)diesen(2 SPACE)P [B480]
      rogramm ist es Ihnen moeg-lich(2 SP [3EAE]
      ACE)SHAPES(2 SPACE)fuer(2 SPACE)die [4F26]
      (2 SPACE)spaeltere eigeneProgrammes [8986]
      taltung herzustellen." [2700]
2750 PRINT "Nach(2 SPACE)der(2 SPACE)Fer [FDC8]
      tigstellung(2 SPACE)erhaelt(2 SPAC [B480]
      E)derSHAPE eine (CTRL X) Motivname [3FC4]
      r (CTRL X)(2 SPACE)von(2 SPACE)Prog [8602]
      ramm": [3EAE]
2760 PRINT "die Sie sich fuer den(2 SPAC [4F26]
      E)spaelteren(2 SPACE)Aufrufdes SHAPE [8986]
      S merken muessen." [2700]
2770 PRINT "2 Groessen von SHAPES sind v [FDC8]
      orgesehen:":shap#=CHR$(143)+CHR$(14 [B480]
      3)+CHR$(143)+"(4 SPACE)+CHR$(143)+ [3FC4]
      CHR$(143):LOCATE 14,14:PRINT "1" [8602]
2780 PEN 2:LOCATE 16,14:PRINT shap#:LOCA

```

	TE 14,15:PRINT shape#:LOCATE 16,16:P RINT CHR\$(143);CHR\$(143);CHR\$(143): PEN 1:LOCATE 21,14:PRINT "2"	[6842]
2790	LOCATE 1,18:PRINT "Ausserden(2 SPAC E)koennen 3 RUN-SHAPES erstellt werd en. Ein(2 SPACE)RUN-SHAPE(2 SPACE)b esteht aus viereinzelnen(2 SPACE)SH APES(2 SPACE)der grosse 1. welchen it des MOVEShape-Befehl(2 SPACE)erk annt werden";	[11BC3]
2800	PRINT "und(2 SPACE)in(2 SPACE)4 Bew egungsphasen(2 SPACE)je(2 SPACE)Ric htungueber den Bildschirn bewegt we rden."	[1C843] [F5063]
2810	RETURN	
2820	LOCATE 15,25:PRINT "< TASTE >":WHIL E INKEY#="":WEND	[60863]
2830	CLS:PRINT "Iur Darstellung eines RU N-SHAPES muessenSie lediglich das r echte(2 SPACE)Bewegungseotiverstell en. Das Programm kopiert es(2 SPACE)dannseitenvertauscht(2 SPACE)und l egt es(2 SPACE)wie(2 SPACE)auchalle anderen(2 SPACE)SHAPES richtig in Speicherab."	[B63C3]
2840	PRINT "Es ist jederzeit(2 SPACE)moeg lich(2 SPACE)sich alle inSpeicher(2 SPACE)befindlichen(2 SPACE)SHAPES (2 SPACE)auf(2 SPACE)denBildschirn(2 SPACE)darstellen(3 SPACE)zulassen (3 SPACE)oderEinzelne hin und her z u bewegen."	[55763]
2850	PRINT:PRINT "(2 SPACE)Haben Sie all e SHAPES beilassen werdensie(2 SPAC E)auf(2 SPACE)Kassette(2 SPACE)gesp eichert(2 SPACE)und Siekoennen(2 SP ACE)mit(2 SPACE)den(2 SPACE)neuen(2 SPACE)SHAPE-Befehlen";	[36EC3]
2860	PRINT "Ihr eigenes(2 SPACE)Programm entwickeln. WollensSie alte SHAPES ueberschreiben oder neu dazu entwic keln(2 SPACE)so(2 SPACE)laden Sie d en altenMotivspeicher wieder ein. E s lassen sich";	[65543]
2870	PRINT "pro Motivspeicher 3 RUN-, 12 grosse- und16 kleine(2 SPACE)SHAPE S speichern, das sind 31SHAPES mit 40 Motiven und entspricht derAnzahl derer, die von den SHAPE-Befehlenv erwaelt werden.":RETURN	[389C3]
2880	WHILE INKEY#(<)="":WEND:LOCATE 8,25:P RINT "Start, dann(2 SPACE)TASTE(2 S PACE)druecken":INK 1,28:WHILE INKEY #="":WEND	[CB8A3] [93A63]
2890	RETURN	
2900	SAVE "shapeplotter":SAVE "!shapedcod e",b,&8500,1870:SPEED WRITE 1:FOR n =1 TO 2:SAVE "!Shapeplotter":SAVE " !shapecode",b,&8500,1870:NEXT:SPEED WRITE 0:RETURN	[AA343]

Listing 2. Gestalten Sie Ihre eigenen Shapes (Schluß)

```

1 KEY 0,"code 1:link 1,20;open 1:list " [375E]
2 ON BREAK GOSUB 11000:ON ERROR GOTO 110 [4826]
  10 [2182]
3 ENT 1,12,-1,1 [ACF4]
4 [CB18]
10 "XXXXXXXXXXXXXXXXXXXX [1266]
20 "X X [428E]
30 "X HORRIBLE HALLS X [DAB6]
40 "X X [C16C]
50 "X X [CB6C]
60 "X (c) by M.Hoger X [36A2]
70 "X januar 1986 X [4872]
80 "X X [9328]
90 "XXXXXXXXXXXXXXXXXXXX [DEB8]
100 [28D2]
110 "-code u. motive laden-
120 GOSUB 4500:MEMORY &7FFF:LOAD "horri [1594]
    ble.shp":CALL &B580:LOAD "horrible. [DFB6]
    mot" [2858]
130 [BA28]
140 "----- [CASC]
150 "-initialisieren-
160 "----- [A89C]
170 DEFINIT a-e,g-z:DIM wfl(25),kfl(25),g [DFB8]
    fl(25),ffl(25) [3C78]
180 "-poker-
190 linksb=&B700:rechtb=&B701:obenb=&B70 [AABC]
    2:unterb=&B703:crash=&B&FF:lin1=&BCB
    3:rec1=&BCB4:obe1=&BCB5:unt1=&BCB6:l
    in25=&91F3:obe25=&91F5
200 testfl=&B&FE:shotfl=&B704:posz=1:lin [3C78]
    1=&BCB3:rec1=&BCB4:obe1=&BCB5:unt1=&
    BCB6:lin25=&91F3

```

Listing 3. „Horrible Halls“ lehrt auch Sie das Fürchten

```

210 '-tasten- [9686]
220 l=34:r=27,o=69:u=71:hold=44:start=60
:take=35:fire=47 [E188]
230 '-flaggen- [5D14]
240 FOR n=1 TO 25:wf1(n)=-1:kf1(n)=-1:gf
1(n)=-1:ff1(n)=-1:NEXT [7846]
250 'farben [3298]
260 RESTORE 270:FOR n=0 TO 15:READ fa:IN
K n,fa:NEXT:RESTORE 3130 [CC24]
270 DATA 0,0,16,15,6,3,13,12,9,10,24,26,
20,14,2,1 [9A8C]
280 '-rausdatas poken- [4274]
290 stadr=6000:IF NOT f1poke THEN GOSUB
4520:GOSUB 5000:LOCATE 9,12:PRINT "
TASTE",WHILE INKEYS="" :WEND [918C]
300 '-startbedingungen- [C4D8]
310 BORDER 0:PEN 3:kmax=25:yax=25:x=0:y
=23:xs=35:ys=6:live=3:energ=500:hits
=0:muni=200 [A5C4]
320 MODE 0:WINDOW#1,1,20,1,22:WINDOW 1,2
0,23,25:PEN 6:PRINT "ener:":PRINT "a
uni:":PRINT "live:":GOSUB 4130:LOCAT
E 10,3:PRINT "level:":LOCATE 10,2:PR
INT "hits:0" [5BC2]
330 LOCATE 6,2:PRINT USING "###";muni [15A8]
340 ' [06B8]
350 '----- [1792]
360 '- INTERPRETERHAUPTSCHLEIFE - [6B22]
370 '----- [7196]
380 ' [E2C8]
390 WHILE live>=0:LOCATE 16,3:PRINT USIN
G 0 "##":y [57A2]
400 radr=stadr+2*(y-1)*kmax+x-1:raus=F
EEK(radr) [48E6]
410 fw1=0:fw2=0:fh1=0:fh2=0:fh3=0:fh4=0:
fa1=0:fa2=0:fa3=0:fa4=0:fb1=0:fb2=0:
fb3=0:fb4=0 [8826]
420 POKE linkb,1:POKE rechtb,79:POKE ob
enb,0:POKE untenb,43:GOSUB 1670 [BF88]
430 FOR n=1 TO 8 [3678]
440 IF raus/2<>raum\2 THEN ON n GOSUB
1010,1050,1090,1120,1500,1550,1590,1
630 [258C]
450 raus=raum\2 [4158]
460 NEXT:aktion=PEEK(radr+1) [E8DE]
470 FOR n=1 TO 8 [FF6E]
480 IF aktion/2<>aktion\2 THEN ON n GO
SUB 2000,2050,2100,2260,2500,2600,27
20,2860 [D9D8]
490 aktion=aktion\2 [CF44]
500 NEXT [B8F6]
510 CLS#1:CLRS#1:FOR n=1 TO 31:CLRS#,n:
NEXT:SOUND 135,0,1,1 [88C8]
520 WEND:IF ziel THEN ziel=0:GOTO 230 [F882]
530 ' [E5CC]
540 '-spielende- [13E2]
550 MODE 1:INK 1,20:PEN 1:LOCATE 1,3:PR
INT "Sie haben alle Ihre Leben verl
oren bevor(5 SPACE)Sie das Ziel erreic
ht haben." [2612]
560 FOR warten=1 TO 3000:NEXT:LOCATE 1,6
:PRINT "Wenn Sie es noch einmal vers
uchen wollen(5 SPACE)dann druecken S
ie eine Taste." [3788]
570 WHILE INKEYS<>"" :WEND:WHILE INKEYS=""
:WEND:CLS:GOTO 230 [8882]
580 ' [9118]
590 '-wand links- [A59C]
600 FOR n=12 TO 30 STEP 6:SETSH,2,19,
4,n:NEXT [ADEC]
610 :SETSH,2,15,4,6:POKE linkb,10:fw1=
-1 [8F2A]
620 RETURN [A9BA]
630 '-wand rechts- [FF74]
640 fw2=-1:FOR n=12 TO 30 STEP 6:SETS
H,3,19,70,n:NEXT [9C24]
650 :SETSH,3,16,70,6 [E5A4]
660 RETURN [8992]
670 '-wand oben- [CEB2]
680 FOR n=10 TO 64 STEP 6:SETSH,2,17,
n,0:NEXT:POKE obenb,6 [B3CA]
690 RETURN [8486]
700 '-wand unten- [A8B2]
710 FOR n=10 TO 66 STEP 4:SETSH,1,26,
n,38:NEXT:POKE untenb,38 [FEBA]
720 RETURN [AABC]
730 '-hinderniss 1- [CCDE]
740 IF RND>0,5 THEN sonr1=31:sonr2=40:so
nr3=31 ELSE sonr1=33:sonr2=34:sonr
3=34 [B1DA]
750 :SETSH,6,sonr1,40,12:nr=7:FOR n1=44
TO 50 STEP 4:SETSH,nr,sonr2,n1,12
:nr=nr+1:NEXT:SETSH,nr,sonr3,60,12 [C8CC]
760 :SETSH,12,sonr1,49,38:SETSH,13,son
r2,53,38:SETSH,14,sonr2,57,38:SET
SH,15,sonr3,61,38 [E8C2]
770 fh1=-1:RETURN [9A3C]
780 '-hinderniss 2- [88EA]
790 IF RND>0,5 THEN sonr1=31:sonr2=40:so
nr3=34:sonr4=20 ELSE sonr1=33:sonr
2=34:sonr3=25:sonr4=18 [DF1C]

```

```

1570 :SETSH,16,sonr1,16,20:SETSH,17,son
r2,20,20:SETSH,18,sonr2,24,20:SET
SH,19,sonr3,20,20:SETSH,20,sonr4,4
0,20 [E5DE3]
1580 fh2=-1:RETURN [92463]
1590 '-hinderniss 3- [C5F43]
1600 :CLRSH,20:IF AND>0.5 THEN sonr1=20:
sonr2=10 ELSE sonr1=10:sonr2=20 [762E3]
1610 :SETSH,11,sonr1,60,10:SETSH,21,son
r2,30,26:SETSH,22,sonr2,10,10:SET
SH,23,sonr1,10,26:SETSH,12,25,49,3
0 [62C43]
1620 fh3=-1:RETURN [D63E3]
1630 '-hinderniss 4- [9EEC3]
1640 IF fh2 THEN RETURN ELSE:IF AND>0.5
THEN sonr1=10:sonr2=20 ELSE sonr1=2
0:sonr2=10 [91803]
1650 :SETSH,16,31,19,16:SETSH,17,31,19,
22:SETSH,18,sonr1,23,10:SETSH,19,
sonr2,34,6 [8A6A3]
1660 fh4=-1:RETURN [4E403]
1670 '-ecken- [92EA3]
1680 :SETSH,2,17,4,0:SETSH,3,17,70,0:IS
ETSH,4,13,4,36:SETSH,5,14,70,36 [8F703]
1690 RETURN [91A03]
2000 '-besonderheit 1 (munition)- [21203]
2010 IF NOT wfl(x) THEN RETURN [F2003]
2020 IF posz>9 THEN RESTORE 3130:posz=1 [EF003]
2030 READ xpo,ypo:posz=posz+1:SETSH,30,
21,xpo,ypo:fb1=-1 [702E3]
2040 RETURN [918C3]
2050 '-besonderheit 2 (schlüssel)- [19C43]
2060 IF NOT kfl(x) THEN RETURN [86FA3]
2070 IF posz>20 THEN RESTORE 3130:posz=1 [0DE43]
2080 READ xpo,ypo:posz=posz+1:SETSH,31,
35,xpo,ypo:fb2=-1 [1D463]
2090 RETURN [FB963]
2100 '-besonderheit 3 (gauste)- [5F223]
2110 IF NOT ffl(x) THEN RETURN [E6E83]
2120 IF x=3 OR x=10 OR x=25 THEN :SETSH,
10,39,40,20:GOSUB 2230:RETURN [C9D03]
2130 IF x=1 THEN GOSUB 4600 [C4E83]
2140 IF ffl(15) THEN FOR n3=6 TO 30 STEP
6:SETSH,10,10,4,n3:NEXT:SETSH,10
,36,5,20:POKE linksb,10 [02E63]
2150 IF ffl(16) THEN FOR n3=12 TO 60 STE
P 0:SETSH,10,10,n3,0:NEXT:SETSH,1
0,36,37,0:POKE obenb,6 [00FC3]
2160 IF ffl(17) THEN FOR n3=6 TO 30 STEP
6:SETSH,10,10,70,n3:NEXT:SETSH,1
0,39,71,20:POKE rechtb,70 [B9B63]
2170 IF NOT f1stf1 THEN RETURN [A7023]
2180 IF NOT ffl(3) AND ffl(17) THEN ffr
i=2:POKE rechtb,00:ffl(17)=0:za=11:
CLRSH,10:FOR n3=6 TO 30 STEP 6:SET
SH,za,10,70,n3:za=za+1:NEXT:za=32:xf
=40:yf=30:GOSUB 2210:CLRSH,13:RET
URN [AF7C3]
2190 IF NOT ffl(10) AND ffl(16) THEN ffr
i=3:POKE obenb,0:ffl(16)=0:za=11:
CLRSH,10:FOR n3=12 TO 60 STEP 0:SET
SH,za,10,n3,0:za=za+1:NEXT:za=32:xf
=40:yf=30:GOSUB 2210:CLRSH,14:RETU
RN [3B983]
2200 ffr1=1:POKE linksb,0:ffl(14)=0:ffl(
15)=0:za=11:CLRSH,10:FOR n3=6 TO 3
0 STEP 6:SETSH,za,10,4,n3:za=za+1:
NEXT:za=54:xf=64:yf=20:GOSUB 2210:
CLRSH,13:RETURN [02023]
2210 IF ffr1=2 THEN sonr=39 ELSE sonr=36 [76923]
2220 :SETSH,10,sonr,xf,yf:FOR n3=1 TO za
:IMOVESH,10,ffri:FOR warten=1 TO 00
:NEXT:NEXT:SOUND 135,600,100,15,...,1
5:LOCATE 14,1:PRINT "(4 SPACE)":ffl
stf1=0:CLRSH,10:xs=40:ys=20:RETURN [A3543]
2230 GOSUB 4040:WHILE PEEK(crash)<>10:IF
PEEK(11n1)>40 THEN IMOVESH,1,1 ELSE
IMOVESH,1,2 [99C43]
2240 IF PEEK(crash)<>10 THEN IF PEEK(obe
1)<20 THEN IMOVESH,1,4 ELSE IMOVESH
1,3 [DFFE3]
2250 FOR warten=1 TO 200:NEXT:WEND:CLRSH
,10:LOCATE 14,1:PEN 10:PRINT "F1ST
":PEN 6:f1stf1=-1:ffl(x)=0:xs=PEEK(
11n1):ys=PEEK(obe1):RETURN [C0EA3]
2260 '-besonderheit 4 (gitter)- [E6763]
2270 IF NOT gfl(y) THEN RETURN [7CFA3]
2280 POKE untenb,40:SETSH,10,33,30,6:za
=11:FOR n3=10 TO 34 STEP 4:SETSH,z
a,32,30,n3:za=za+1:NEXT:POKE untenb
,30 [75823]
2290 IF NOT keyf1 THEN RETURN [002E3]
2300 GOSUB 4040:GOSUB 4220:fakt=1:FOR n3
=10 TO 10:FOR warten=1 TO 500:NEXT:
CLRSH,n3:SOUND 2,100-2*n3,3,14:NEX
T:LOCATE 10,1:PRINT "(3 SPACE)":key
f1=0:gfl(y)=0:WHILE fakt=1:WEND:GOS
UB 4240:n=0:RETURN [E61E3]
2500 '-aktion 1 (kleine monster)- [CDA03]

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2510 n=8:abz=4:fa1=-1:anz=4:IF RND>8.5 T
HEN sonr=29:sonr1=38 ELSE sonr=37:so
nr1=38 [558E3]
2520 IF posz>21 THEN RESTORE 3130:posz=1 [63E63]
2530 FOR n1=1 TO anz:READ xpo,ypo:1SETSH
,24+n1,sonr,xpo,ypo:posz=posz+1:IF
posz=22 THEN RESTORE 3130:posz=1 [AC643]
2540 NEXT:GOSUB 4848:GOSUB 4228:IF fw2 T
HEN POKE rechtb,78 [6A5E3]
2550 fakt=1:WHILE fakt=1:'aktionloop [81183]
2560 FOR n1=1 TO anz:1MOVESH,24+n1,128 [E6B83]
2570 IF PEEK(crash)=1 THEN D1:tnr=24+n1:
1CLRSH,tnr:GOSUB 4138:1SETSH,tnr,so
nr,128,128:E1 [80B83]
2580 NEXT:sonrr=sonr:sonr=sonr1:sonr1=so
nrr:FOR n2=1 TO anz:1SWAPSH,24+n2,s
onr:NEXT:SOUND 1,1588,3,14,...,1 [C4623]
2590 WEND:RETURN [77783]
2600 '-aktion 2 (geister)- [824A3]
2610 IF posz>18 THEN posz=1:RESTORE 3138 [36E23]
2620 n=8:abz=8:fa2=-1:sonr=22:sonr1=23:a
nz=3:FOR n1=1 TO anz:READ xpo,ypo:1
SETSH,24+n1,sonr,xpo,ypo:posz=posz+
1:IF posz=11 THEN RESTORE 3138:posz
=1 [D2B43]
2630 NEXT:GOSUB 4848:GOSUB 4228:IF fw2 T
HEN POKE rechtb,78 [C15E3]
2640 fakt=1:WHILE fakt=1 [8FCE3]
2650 FOR n3=1 TO 2 [D8383]
2660 FOR n1=1 TO anz:1MOVESH,24+n1,128 [2EB23]
2670 IF PEEK(crash)=1 THEN GOSUB 4138 [DEB43]
2680 NEXT:SOUND 1,128,1,14 [68E83]
2690 NEXT:sonrr=sonr:sonr=sonr1:sonr1=so
nrr:FOR n2=1 TO anz:1SWAPSH,24+n2,
sonr:NEXT [71583]
2700 FOR n2=1 TO anz:1SWAPSH,24+anz,sonr
:NEXT [863A3]
2710 WEND:RETURN [87643]
2720 '-aktion 3 (goblins)- [91483]
2730 IF posz>18 THEN posz=1:RESTORE 3138 [F8E83]
2740 IF fh3 THEN 1CLRSH,22 [7A283]
2750 n=8:abz=388:fa3=-1:sonr=9:anz=1:REA
D xpo,ypo:1SETSH,25,sonr,xpo,ypo [DCAB3]
2760 GOSUB 4848:GOSUB 4228:sof1=-1:IF fw
2 THEN POKE rechtb,78 [8C863]
2770 fakt=1:WHILE fakt=1 [9CD63]
2780 IF PEEK(11n1)<PEEK(11n25) THEN 1MO
VESH,25,2:IF PEEK(crash)=1 THEN GOS
UB 2848 [191C3]
2790 IF PEEK(obe1)<PEEK(obe25) THEN 1MO
VESH,25,3:IF PEEK(crash)=1 THEN GOS
UB 2848 [34EB3]
2800 IF PEEK(11n1)<PEEK(11n25) THEN 1MOV
ESH,25,1:IF PEEK(crash)=1 THEN GOSU
B 2848 [258E3]
2810 IF PEEK(obe1)>PEEK(obe25) THEN 1MOV
ESH,25,4:IF PEEK(crash)=1 THEN GOSU
B 2848 [95663]
2820 FOR warten=1 TO 78:NEXT:IF sof1 THE
N SOUND 1,98,12,13,...,1,1 [A66A3]
2830 WEND:RETURN [156A3]
2840 D1:GOSUB 4248:E1:1CLRSH:1CLRSH,25:1F
OR n1=1 TO 28:1SWAPSH,1,9+INT(RND*4
):1FOR n2=1 TO RND*188:NEXT:1MOVESH,
1,INT(RND*4)+1:1FOR n2=1 TO RND*188:
NEXT:SOUND 135,128,n1,12,...,n1:NEXT:
sof1=8:1MOVESH,1,1:1MOVESH,1,2:1sr1c
h=2 [1F943]
2850 GOSUB 4138:GOSUB 4228:RETURN [E2263]
2860 '-aktion 4 (feuerbaelle vertikal)- [F4743]
2870 n=8:abz=588:fa4=-1:IF fw1 THEN 2998
ELSE POKE obenb,8:POKE untenb,43:1s
onr1=27:sonr2=28:IF fh1 THEN 1CLRSH
,9:1CLRSH,12:1CLRSH,13:1CLRSH,18:1S
WAPSH,14,25:1SWAPSH,9,34:IF NOT fh3
THEN 1SWAPSH,11,31 [6F183]
2880 IF fh3 THEN 1CLRSH,22:1CLRSH,23 [9F883]
2890 IF fh4 THEN 1CLRSH,16:1CLRSH,17:1CL
RSH,18 [56563]
2900 1SETSH,2,8,22,8:1SETSH,2,8,52,8:1SE
TSH,2,6,22,34:1SETSH,3,6,52,34:POKE
obenb,6:POKE untenb,38:1SETSH,25,2
7,23,38:1SETSH,26,27,53,6 [11983]
2910 rich1=3:rich2=4:GOSUB 4848:GOSUB 42
28:SOUND 129,8,288,13,...,8 [96BE3]
2920 fakt=1:WHILE fakt=1 [8FDB3]
2930 1MOVESH,25,rich1:1MOVESH,25,rich1st
reff1=PEEK(crash):1MOVESH,26,rich2:
1MOVESH,26,rich2:treff=PEEK(crash):
IF treff=3 OR treff1=2 THEN richr=
ich1:rich1=rich2:rich2=richr:SOUND
129,8,288,13,...,8 [52483]
2940 IF treff=1 OR treff1=1 THEN SOUND 1
35,688,188,15,...,15:D1:1CLRSH,25:1CL
RSH,26:GOSUB 4138:E1:fa41=-1 [C0463]
2950 sonrr=sonr1:sonr1=sonr2:sonr2=sonrr
:1SWAPSH,25,sonr1:1SWAPSH,26,sonr2 [733E3]
2960 IF fa41 THEN WHILE fakt=1:WEND:fa41
=8 [E9463]

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2970 WEND: RETURN [4574]
2980 '- aktion 4 (feuerb. horizontal)- [5068]
2990 n=8:abz=500:IF fh4 THEN !CLRSH,16: [1724]
CLRSH,17: !CLRSH,18
3000 IF fh2 THEN FOR n3=16 TO 20: !CLRSH, [CB14]
n3: NEXT
3010 IF fh1 THEN !CLRSH,15: !SWAPSH,14,31 [1570]
3020 !SETSH,16,20,10,10: !SETSH,17,20,10, [095A]
20: !SETSH,18,20,64,10: !SETSH,20,20,
64,20
3030 !SETSH,2,5,10,16: !SETSH,3,7,64,22: [3BF4]
monr=27: monr1=20: !SETSH,25,monr,60,1
0: !MOVESH,25,3: !SETSH,26,monr1,16,2
2: !MOVESH,26,4: rich1=1: rich2=2: rich
3=3: rich4=4: ya4o=22: ya4u=16
3040 GOSUB 4040: GOSUB 4220: POKE rechtb,7 [5AD8]
0: SOUND 129,0,220,13,...,8 [81C6]
3050 fakt=1: WHILE fakt=1 [3E70]
3060 !MOVESH,25,rich1: !MOVESH,25,rich1:t [3E70]
reff1=PEEK( crash): !MOVESH,26,rich2:
!MOVESH,26,rich2: treff2=PEEK( crash)
3070 IF treff1>1 THEN richr=rich1: rich1= [3E70]
rich2: rich2=richr: !CLRSH,2: !CLRSH,3
: ya4r=ya4o: ya4o=ya4u: ya4u=ya4r: !SET
SH,2,5,10, ya4u: !SETSH,3,7,63, ya4o:
!MOVESH,3,2: SOUND 129,0,220,13,...,8 [D03E]
3080 IF treff1=1 OR treff2=1 THEN SOUND [00A2]
135,600,100,15,...,15: DI: !CLRSH,25: !C
LRSH,26: GOSUB 4130: EI: fa41=-1 [408A]
3090 monr=monr1: monr=monr1: monr1=monr: [AA2C]
!SWAPSH,25,monr: !SWAPSH,26,monr1 [8E3A]
3100 IF fa41 THEN WHILE fakt=1: WEND: fa41 [FC00]
=-0
3110 WEND: RETURN [74C8]
3120 '-SET dates- [80CC]
3130 DATA 36,19,24,12,34,12,54,16,12,14, [8D1E]
30,24,42,20,24,24,12,24,54,22,12 [ABCE]
3140 DATA 20,30,12,30,16,46,16,60,20,60, [8D16]
16,42,16,60,24,50,16,32,20,44,26 [84D2]
3500 [33B2]
3510 [DAF4]
3520 [8BFC]
3530 [C382]
3540 '-beruehrungsauswertung- [AC08]
3540 betr=PEEK( crash): IF betr<25 OR fa3 [79EE]
OR betr>38 THEN RETURN
3550 IF fa1 THEN !CLRSH,betr: GOSUB 4130: [869C]
!SETSH,betr,monr1,120,120: RETURN [2F70]
3560 IF fa2 THEN GOSUB 4130: RETURN [21A0]
3570 SOUND 135,600,100,15,...,15 [82D0]
3580 !CLRSH,25: !CLRSH,26: GOSUB 4130: fa41 [AB7A]
=-1: RETURN [8F96]
4000 [9718]
4010 [756C]
4020 '-kleine routinen - [4E26]
4030 [2F70]
4040 '-spielshape setzen- [21A0]
4050 IF srich=1 AND xs=0 THEN xs=xs+1 [82D0]
4060 !SETSH,1,1,xs,ys: IF srich=1 THEN !M
OVESH,1,1
4070 RETURN [AB7A]
4080 '-schussroutine- [8F96]
4090 !SHOOTSH: shot=PEEK( crash): IF shot<25 [9718]
OR fa3 OR fa4 THEN POKE crash,0: RE
TURN [187E]
4100 IF fa1 THEN hits=hits+1: SOUND 4,0,8 [AE2E]
,14,...,12: !CLRSH,shot: !SETSH,shot,mo
nr1,120,120: GOTO 4120
4110 hits=hits+1: SOUND 4,0,8,14,...,12: !C [AE2E]
LRSH,shot: energ=energ+30: IF energ>50
0 THEN energ=energ-500: live=live+1:

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LOCATE 6,3:PRINT USING "##":live:LO
DATE 6,1:PRINT USING "##":energ:GO
TO 4120 ELSE LOCATE 6,1:PRINT USING
"##":energ:GOTO 4120 [B7E6J]
4120 LOCATE 15,2:PRINT hits:LOCATE 15,2:
PRINT ":":POKE crash,0:RETURN [FDD6J]
4130 '-aktionauswertung- [8888J]
4140 energ=energ-abz:IF energ<=0 THEN en
erg=500-ABS(energ):live=live-1 [8282J]
4150 IF live<0 THEN GOSUB 4240:fakt=0:RE
TURN [666AJ]
4160 DI:LOCATE 6,1:PRINT USING "##":ene
rg [5D46J]
4170 LOCATE 6,3:PRINT USING "##":live:EI
:RETURN [287AJ]
4180 '-pause- [D218J]
4190 DI:GOSUB 4240:EI [36CEJ]
4200 WHILE INKEY(start):WEND:GOSUB 4220 [A818J]
4210 RETURN [8D8EJ]
4220 '-uhreh an- [67F4J]
4230 EVERY 6,0 GOSUB 3510:EVERY 7,1 GOSU
B 4260:RETURN [7D9CJ]
4240 '-uhreh aus- [78ECJ]
4250 aus=REMAIN(0):aus=REMAIN(1):RETURN [E18CJ]
4260 '-besonderheiten auswerten- [3674J]
4270 IF fb1 THEN ICLRSH,30:moni=moni+30:
SOUND 2,100,3,14:LOCATE 6,2:PRINT U
SING "##":moni:fb1=0:wf1(x)=0:RETU
RN [5616J]
4280 IF fb2 THEN ICLRSH,31:keyf1=-1:SOUN
D 2,100,3,14:LOCATE 10,1:PEN 10:PRI
NT "KEY":PEN 6:fb2=0:kf1(x)=0:RETUR
N [923AJ]
4290 RETURN [FD9EJ]
4300 '-aufmacher- [A8D2J]
4310 MODE 0:BORDER 0:INK 0,0:INK 0,9:INK
5,3:PEN 8:LOCATE 4,12:PRINT "Harr
ble Halle":LOCATE 2,23:PRINT "prog
am and art by":LOCATE 4,25:PRINT "m
ichael(2 SPACE)hoger":RETURN [C896J]
4320 POKE rechteb,79:POKE untenb,44:POKE
linksb,1:POKE obenb,0:sonr1=27:sonr
2=28:ISETSH,1,5,2,29:ISETSH,2,7,72,
20:FOR warten=1 TO 2000:NEXT:ISETSH
,3,sonr1,8,20:MOVESH,3,4:SOUND 129
,0,250,13,...,0 [184AJ]
4330 FOR n=1 TO 60:MOVESH,3,2:FOR n1=1
TO 50:NEXT:sonr=sonr1:sonr1=sonr2:
sonr2=sonr:ISWAPSH,3,sonr1:NEXT:IC
LRSH,3:FOR warten=1 TO 2000:NEXT:IC
LRSH,2:ICLRSH,1:GOSUB 1600:GOSUB 10
00:GOSUB 1850:GOSUB 1070:GOSUB 1120
:POKE rechteb,70 [A458J]
4340 FOR n=1 TO 6:SETSH,n+24,37,120,120
:NEXT:sonr1=37:sonr2=38:RETURN [464CJ]
4350 sonr=sonr1:sonr1=sonr2:sonr2=sonr:
FOR nn=1 TO 6:MOVESH,nn+24,120:IS
WAPSH,nn+24,sonr1:NEXT:SOUND 1,1500
,3,14,...,1:RETURN [8266J]
4400 [9422J]
4410 '-ziel- [8E48J]
4420 FOR n1=24 TO 40 STEP 6:SETSH,10,24
,n1,0:NEXT:SETSH,10,20,12,14:FOR n
1=10 TO 34 STEP 6:SETSH,10,24,n1,1
4:NEXT:SETSH,10,20,60,14:za=10:FOR
n1=12 TO 60 STEP 6:SETSH,za,24,n1
,20:za=za+1:NEXT [2892J]
4430 GOSUB 4040:FOR n1=1 TO 6:MOVESH,1,
3:FOR warten=1 TO 100:NEXT:NEXT:ks=
PEEK(11n1):ys=PEEK(10n1):POKE recht
b,74:GOSUB 1120:POKE rechteb,70 [58F8J]
4440 ISETSH,1,1,ks,ys:CLS:PEN 12:PRINT "
Sie haben das Ziel erreicht. Herzl
ichen(4 SPACE)Glueckwunsch":INK 12,
14,20:INK 11,20,26:FOR n2=1 TO 2:FO
R n1=1 TO 20000:NEXT:NEXT:INK 10,24 [2D66J]
4450 INK 12,20:CLS:PRINT "(3 SPACE)Noch
einmal ?":PRINT:PRINT "(7 SPACE)Tas
te":WHILE INKEY(">"):WEND:WHILE INK
EY="":WEND:Ziel=-1:live=-1:RETURN [53BCJ]
5000 '-rausdaten- [FA58J]
5005 EVERY 0,0 GOSUB 4550 [886EJ]
5010 RESTORE 5030:adress=60000:FOR n=1 T
O 50:sum=0:FOR n1=1 TO 25:READ a:P
OKE adress,a:sum=sum+a:adress=adr
ess+1:NEXT:READ sum1 [28DCJ]
5020 IF sum1<>sum THEN PRINT "Datenfeh
ler in Zeile":5020=n+10:END ELSE NE
XT:RESTORE 3130:flipoke=-1:aus=REMAI
N(0):FOR nn=25 TO 30:ICLRSH,nn:NEXT
:RETURN [41C4J]
5030 DATA 53,16,60,17,156,120,20,32,20,1
20,76,120,140,120,164,16,52,16,134,
16,133,64,76,120,164,2000 [D328J]
5040 DATA 32,7,16,205,10,60,32,04,16,140
,120,64,16,29,17,204,64,140,16,76,1
20,100,64,22,16,1700 [6D8AJ]
5050 DATA 91,10,147,120,37,64,106,16,165
,32,60,16,204,120,112,16,224,16,10,
16,201,64,174,17,67,2137 [1AA8J]
5060 DATA 120,129,32,92,120,22,64,233,16

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	,182,16,73,16,156,128,198,64,57,16, 12,48,78,16,11,28,1919	[48EC]
5078	DATA 197,64,186,64,83,128,55,16,147, 32,173,16,156,128,112,16,176,16,72, 65,12,24,28,128,138,2144	[2728]
5088	DATA 16,153,16,182,16,169,32,214,16, 41,64,76,128,54,16,169,16,284,128, 214,32,9,16,38,16,1955	[4CF8]
5098	DATA 137,16,148,16,226,16,147,128,7 3,16,252,16,92,128,64,32,82,32,165, 16,92,128,236,64,98,2412	[A4CE]
5108	DATA 16,151,33,217,64,78,16,137,16, 28,128,38,16,57,16,92,128,158,32,18 5,16,166,16,195,128,2831	[B1A8]
5118	DATA 119,16,211,128,147,128,185,33, 212,16,228,16,14,16,131,128,67,128, 19,128,165,64,38,32,55,2424	[5FDA]
5128	DATA 16,241,16,238,16,121,16,92,128 ,182,64,137,16,284,128,22,32,137,16 ,54,16,185,16,194,32,2231	[5AD6]
5138	DATA 97,64,58,16,161,16,198,32,195, 128,27,64,23,64,27,17,43,16,83,128, 83,128,83,128,83,1962	[9CDA]
5148	DATA 128,83,128,169,16,284,128,182, 32,233,16,228,128,118,16,137,16,78, 64,41,16,22,16,171,16,2298	[874E]
5158	DATA 27,16,77,16,34,16,89,16,56,32, 92,128,152,16,92,128,182,16,195,128 ,83,128,67,128,51,1885	[2B2A]
5168	DATA 16,137,16,188,16,118,16,217,16 ,284,128,238,16,249,16,238,32,281,1 ,6,134,16,153,64,182,16,2539	[31A6]
5178	DATA 189,16,228,32,122,16,181,16,22 8,128,12,136,118,16,23,16,83,128,83 ,128,115,32,83,128,83,2252	[FD5E]
5188	DATA 128,197,32,162,64,249,16,76,64 ,166,16,281,16,198,32,233,16,54,16, 121,16,38,16,195,128,2458	[3836]
5198	DATA 7,4,283,16,197,64,162,16,167,1 6,151,17,147,128,83,128,83,128,99,1 6,83,128,99,16,51,2289	[8832]
5208	DATA 16,211,128,217,16,228,16,238,6 4,137,17,134,16,73,16,78,32,41,64,3 8,16,25,32,18,16,1871	[8866]
5218	DATA 147,128,173,16,282,16,83,128,1 85,16,128,16,184,32,232,16,74,16,83 ,128,195,128,171,16,131,2556	[4838]
5228	DATA 128,17,16,284,128,186,68,137,1 6,68,32,74,16,157,16,248,16,284,128 ,232,32,14,17,43,16,2122	[EB86]
5238	DATA 169,16,92,128,284,128,154,64,2 37,16,44,64,156,34,76,128,156,128,7 2,16,288,16,156,128,168,2758	[8E6C]
5248	DATA 16,8,28,68,16,92,128,116,32,28 4,128,12,48,148,128,188,16,116,16,2 36,16,28,128,142,16,2826	[8D68]
5258	DATA 229,16,156,128,124,32,212,16,1 88,16,12,24,36,64,92,128,156,32,244 ,16,92,128,156,128,284,2629	[75EE]
5268	DATA 128,26,16,37,64,78,16,131,128, 181,16,172,32,54,64,83,128,153,16,2 84,128,172,32,182,16,2889	[27FA]
5278	DATA 211,128,39,16,7,28,281,32,164, 16,158,64,83,128,55,16,183,16,25,16 ,36,32,78,16,141,1785	[CC68]
5288	DATA 16,22,16,67,128,41,32,138,16,2 11,128,183,16,195,128,233,16,244,16 ,116,16,54,32,19,128,2283	[63F2]
5298	DATA 137,16,16,16,42,16,71,16,99,32 ,171,16,83,16,153,16,56,64,198,16,1 54,16,81,16,12,1527	[2DD4]
5308	DATA 136,58,16,97,16,166,64,281,16, 138,16,67,33,41,16,22,16,147,128,83 ,128,235,16,3,32,1875	[4A78]
5318	DATA 133,16,192,32,284,128,26,16,97 ,16,46,16,97,16,166,32,13,16,26,64, 141,16,42,64,21,1636	[4A18]
5328	DATA 32,34,16,75,17,139,16,23,16,19 5,128,195,128,165,16,178,32,147,16, 145,32,196,16,282,16,2167	[FD1E]
5338	DATA 81,64,98,16,189,16,182,16,83,1 28,55,16,57,17,136,64,134,32,69,16, 76,128,44,32,32,1613	[572C]
5348	DATA 16,18,16,21,64,116,16,186,32,2 11,32,225,16,186,64,165,64,258,16,2 33,17,192,16,134,64,2298	[6892]
5358	DATA 1,16,14,16,53,32,82,16,153,65, 186,34,167,16,13,32,282,18,113,16,2 28,128,238,64,25,1832	[CD42]
5368	DATA 17,42,64,17,16,42,32,69,64,138 ,16,83,128,45,16,32,64,156,128,6,16 ,195,128,155,18,1687	[895E]
5378	DATA 99,32,229,64,98,17,289,16,12,1 36,28,32,72,16,132,32,38,64,153,32, 54,16,161,16,198,1948	[6DBE]
5388	DATA 32,7,16,195,128,117,16,186,16, 237,32,248,16,78,64,131,128,39,16,6 7,128,33,32,134,64,2152	[7F64]
5398	DATA 195,128,185,32,148,16,162,32,8 5,64,186,16,55,16,283,16,147,128,21 ,64,48,16,72,32,112,2811	[C68A]

```

5400 DATA 16,130,64,161,16,202,32,213,16,
    ,60,32,164,16,106,16,225,32,112,64,
    ,176,32,240,16,226,16,2383 [13C2]
5410 DATA 249,16,110,64,11,32,211,120,10
    ,16,220,32,56,64,92,16,146,64,105,
    ,16,166,16,197,32,10,2270 [B7CA]
5420 DATA 16,43,16,75,32,133,64,66,16,7,
    ,20,43,66,21,16,192,64,160,16,96,64,
    ,146,64,83,120,1647 [E576]
5430 DATA 53,32,232,16,190,16,211,120,11
    ,64,249,16,110,32,101,16,232,17,52
    ,32,00,16,146,64,97,2417 [B3BA]
5440 DATA 32,174,16,21,32,42,16,67,120,1
    ,37,64,166,32,195,120,147,120,83,120
    ,211,120,67,120,163,32,2465 [B0FA]
5450 DATA 89,32,54,16,77,64,112,16,160,3
    ,2,142,16,97,64,200,32,182,16,105,16
    ,156,120,160,16,234,2232 [B4BC]
5460 DATA 16,215,34,153,16,92,120,106,32
    ,167,32,227,16,83,120,83,120,83,120
    ,83,120,83,120,163,16,2460 [5DAA]
5470 DATA 23,32,33,16,70,16,131,120,53,6
    ,4,92,120,154,16,103,16,161,16,206,6
    ,4,117,65,204,120,100,2224 [E100]
5480 DATA 16,226,64,245,16,220,32,220,12
    ,0,226,16,195,120,171,16,107,17,147,
    ,120,91,64,211,120,131,120,3079 [4710]
5490 DATA 57,16,66,16,37,64,10,16,43,16,
    ,69,16,140,120,56,32,90,16,149,16,10
    ,4,32,166,16,201,1500 [7E34]
5500 DATA 32,114,16,211,120,105,16,204,1
    ,20,224,64,240,16,172,32,30,16,137,3
    ,3,30,64,83,120,139,65,2023 [D16E]
5510 DATA 141,33,72,16,42,16,27,64,205,6
    ,4,160,32,156,120,100,32,92,120,56,3
    ,2,230,16,217,16,124,2223 [2FA4]
5520 DATA 64,250,16,121,16,100,32,222,65
    ,59,16,93,16,156,120,104,16,172,32,
    ,12,24,200,32,110,64,2200 [107C]
10010 END [E7D2]
11000 GOSUB 4240:FOR n=1 TO 31:|CLRSH,n:
    NEXT:|CLASH:MODE 1:|NK 1,20:PEN 1:
    END [A102]
11010 GOSUB 4240:FOR n=1 TO 31:|CLRSH,n:
    NEXT:|CLASH:MODE 1:|NK 1,20:PEN 1 [63E2]
11020 IF ERR=2 THEN PRINT "Syntax error
    in";ERR:END ELSE PRINT "Fehler Nr.
    ";ERR;" in Zeile";ERR:END [2924]

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**Listing 3. -Horrible Halls- lehrt auch Sie das Fürchten
(Schluß)**

```

10 "XXXXXXXXXXXXXXXXXX" [A684]
20 " MOTIV-DATAS " [1F78]
30 " (c) by M.Hoger " [8FE6]
40 " januar 1986 " [8C1C]
50 "XXXXXXXXXXXXXXXXXX" [A88C]
60 " [845A]
70 MEMORY &937B:DEFINT a-z:POKE &937C,3:
   POKE &937D,12:POKE &937E,16 [72D4]
80 adresse=&937F:MODE 1:EVERY 50 GOSUB 1
   90 [3D1E]
90 FOR n=8 TO &9:suss=0 [948C]
100 FOR n1=8 TO &3 [6EA2]
110 READ a$:wert=VAL("&"+a$) [85F4]
120 POKE adresse,wert:suss=suss+wert
   [647E]
130 adresse=adresse+1 [7336]
140 NEXT n1 [40E6]
150 READ s$:s=VAL("&"+s$):IF s(>)suss T
   HEN PRINT "Datenfehler in Zeile":200
   +n#10:END [10FE]
160 NEXT n:suss=REMAIN(0) [8902]
170 CLS:PRINT "(3 SPACE)Alle Daten fehle
   rfrei eingelesen.(10 SPACE)Speichern
   Sie die Daten mit" [F004]
180 LOCATE 5,5:PRINT "SAVE ' motive',b,
   &937C,&1183":LOCATE 9,8:PRINT "hinle
   r den shape-code":END [68F6]
190 PRINT ".":RETURN [955C]
200 DATA 41,82,54,A8,41,88,54,A8,88,A8,8
   1,82,88,FC,FC,FC,AD,43,88,A8,88,A8,5
   4,A8,54,A8,88,A8,54,88,88,88,FC,A8,8
   8,88,88,54,D6,FC,88,88,88,E9,D6,83,A
   8,88,54,C3,FC,A9,56,88,E9,D6,C3,56,8
   3,A8,C3,E9,D6,83,1090 [F858]
210 DATA A9,A8,41,E9,AD,A9,A9,56,41,E9,A
   D,A9,A9,56,C3,E9,D6,83,A9,A8,E9,D6,C
   3,56,83,A8,54,C3,FC,A9,56,88,88,E9,D
   6,83,A8,88,88,54,D6,FC,88,88,88,88,F
   C,A8,88,88,41,82,88,A8,41,88,54,A8,8
   8,A8,81,82,88,FC,1080 [441A]
220 DATA FC,FC,AD,43,88,A8,88,A8,54,A8,5
   4,A8,54,A8,54,88,88,88,54,A8,88,88,8
   8,88,88,A8,41,88,41,FC,FC,FC,AD,C3,8

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Listing 4. 40 vordefinierte Shapes für "Horrible Halls"

	8,00,00,A0,54,00,00,00,00,A0,00,00,0	
	8,00,FC,A0,00,00,00,54,E9,56,00,00,0	
	8,E9,C3,03,A0,00,153C	[40C6]
230	DATA 54,C3,FC,A9,56,00,E9,D6,C3,56,0	
	3,00,C3,E9,D6,03,A9,A0,41,E9,ED,A9,5	
	6,56,41,E9,ED,A9,56,56,C3,E9,D6,03,A	
	9,A0,E9,D6,C3,56,03,A0,54,C3,FC,A9,5	
	6,00,00,E9,C3,03,A0,00,00,54,E9,56,0	
	8,00,00,00,FC,A0,213C	[64A0]
240	DATA 00,00,00,00,00,A0,00,00,00,00,0	
	0,A0,41,00,41,FC,FC,FC,A0,C3,00,00,0	
	0,A0,54,00,00,00,54,A0,00,00,00,02,5	
	4,A0,41,02,41,02,54,00,54,A0,03,50,F	
	C,FC,FC,00,54,A0,54,00,54,00,00,A0,5	
	4,00,54,A0,00,00,1375	[80F2]
250	DATA 54,FC,00,00,00,00,FC,E9,A0,00,0	
	0,54,03,E9,56,00,00,A9,56,FC,C3,A0,5	
	4,03,A9,C3,E9,D6,54,56,03,E9,D6,C3,A	
	9,56,56,50,D6,02,A9,56,56,50,D6,02,5	
	4,56,03,E9,D6,C3,54,03,A9,C3,E9,D6,0	
	0,A9,56,FC,C3,A0,2037	[2236]
260	DATA 00,54,03,E9,D6,00,00,00,FC,E9,A	
	0,00,00,00,54,FC,00,00,00,02,54,00,4	
	1,02,41,02,54,00,54,A0,03,50,FC,FC,F	
	C,00,54,A0,54,00,54,00,00,A0,54,A0,5	
	4,A0,00,00,54,A0,00,00,00,02,54,00,0	
	0,00,C3,50,FC,FC,1625	[BBA0]
270	DATA FC,02,00,A0,54,00,00,00,00,00,5	
	4,00,00,00,00,00,54,FC,00,00,00,00,F	
	C,56,A0,00,00,54,03,43,D6,00,00,A0,5	
	6,FC,C3,A0,54,03,A9,C3,E9,D6,54,56,0	
	3,E9,D6,C3,A9,A9,56,DE,D6,02,A9,A9,5	
	6,DE,D6,02,54,56,1A05	[6CAC]
280	DATA 03,E9,D6,C3,54,03,A9,C3,E9,D6,0	
	0,A9,56,FC,C3,A0,00,54,03,43,D6,00,0	
	0,00,A9,56,A0,00,00,00,54,FC,00,00,0	
	0,00,54,00,00,00,00,02,54,00,00,00,C	
	3,50,FC,FC,FC,02,00,A0,54,00,00,00,0	
	0,00,54,A0,00,00,150D	[6494]
290	DATA C3,00,00,00,00,00,C3,00,00,00,0	
	0,00,01,02,41,00,C3,02,01,02,D2,41,1	
	2,03,01,C3,00,41,03,03,C3,03,00,C3,4	
	7,00,03,03,00,03,0A,00,02,03,02,03,0	
	A,00,03,01,03,47,00,00,02,02,03,47,0	
	0,00,03,C3,03,02,1003	[011E]
300	DATA 00,00,02,03,03,02,00,00,C3,03,0	
	3,00,00,00,00,01,03,00,00,00,03,03,0	
	3,00,00,00,03,03,03,00,00,00,03,03,0	
	3,02,00,00,01,01,03,02,00,00,03,02,0	
	3,47,00,00,03,03,01,03,0A,CF,01,03,0	
	1,03,CF,03,03,03,600	[1C4C]
310	DATA 00,03,03,03,03,03,00,01,03,02,0	
	1,03,00,00,03,00,00,00,00,00,00,41,4	
	1,02,00,00,41,03,D6,C3,C3,C3,C3,A9,D	
	4,C3,92,61,D6,A9,92,FC,30,30,FC,21,9	
	2,00,30,F0,F4,A1,92,30,70,F0,F0,A1,9	
	2,65,65,DA,5A,A1,1060	[3730]
320	DATA 92,3F,9A,20,3F,A1,92,05,20,1A,7	
	A,A1,D6,65,9A,20,5A,A9,D6,70,A5,5A,F	
	0,A9,D6,70,20,00,F0,A9,D6,70,70,F0,F	
	0,A9,D6,00,05,DA,F4,A9,D6,00,0A,40,F	
	4,A9,D6,A0,0A,40,54,A9,D6,A0,00,00,5	
	4,A9,D6,FC,A0,50,2405	[C26A]
330	DATA FC,A9,D6,FC,65,DA,FC,A9,D6,FC,7	
	0,F0,FC,A9,D6,FC,00,F4,FC,A9,03,03,0	
	3,03,03,02,03,03,03,03,03,00,00,00,0	
	0,00,00,C3,00,00,00,00,00,C3,41,C3,0	
	0,02,41,02,03,21,02,E1,41,02,03,03,0	
	2,70,C3,02,00,00,1006	[F74E]
340	DATA C3,70,03,C3,00,45,03,70,03,45,0	
	0,45,03,A1,03,41,00,00,00,03,02,43,0	
	0,00,00,03,41,41,00,00,01,03,C3,43,0	
	0,00,01,03,03,41,00,00,00,03,43,C3,0	
	0,00,00,03,02,00,00,00,00,03,03,03,0	
	0,00,00,03,03,43,009	[04A4]
350	DATA 00,00,01,03,03,03,00,00,01,03,0	
	2,02,00,00,00,03,01,43,CF,45,03,02,0	
	3,03,03,CF,03,02,03,02,03,03,00,0	
	3,43,01,03,02,00,03,03,00,03,00,00,0	
	3,02,3C,3C,3C,3C,3C,3C,03,03,03,03,0	
	3,03,13,33,33,33,560	[A724]
360	DATA 33,77,13,3F,3F,3F,7F,13,35,3	
	5,3A,3A,7F,13,70,30,70,F0,7F,13,70,3	
	0,F0,F0,7F,13,30,30,F0,F0,7F,13,30,3	
	0,F0,F0,7F,13,3A,92,E1,05,7F,13,3A,3	
	0,F0,05,7F,13,3A,20,F0,05,7F,13,3A,3	
	0,F0,05,7F,13,3A,1A04	[7D66]
370	DATA 20,50,05,7F,13,3A,41,02,05,7F,1	
	3,2A,43,03,15,7F,13,3F,21,02,3F,7F,1	
	3,3F,30,F0,3F,7F,13,3F,3F,3F,3F,7F,1	
	3,7F,FF,FF,0F,7F,13,A0,03,03,57,7F,5	
	7,16,3C,3C,29,FF,03,20,00,00,14,03,3	
	C,00,00,00,00,3C,12EF	[700A]
380	DATA 00,00,00,02,00,00,00,00,01,03,0	
	2,00,00,02,03,FC,00,00,01,03,FC,A0,2	
	0,00,02,A0,54,10,F3,00,00,A0,FC,F3,F	
	3,A2,00,54,FC,F3,00,00,01,56,54,A2,A	
	2,00,01,56,01,F9,00,00,02,00,54,54,0	
	0,00,01,01,A0,00,FD7	[0100]
390	DATA A0,51,03,FC,A0,00,54,A2,54,54,F	
	C,00,54,F3,02,00,54,A0,54,00,01,00,F	
	C,FC,00,00,01,54,54,54,FC,A2,56,00,5	

	4, 80, F9, 80, 80, 54, 80, 54, 51, A2, 54, A8, 8	
	8, FC, 80, 80, 80, 54, 80, A8, 80, 80, 56, 80, 5	
	4, 54, 80, 80, 80, 80, 1397	(37CE)
400	DATA FC, 51, 80, 80, 54, 51, 54, 51, A2, 80, 8	
	2, F9, A2, 80, 80, 80, 80, 80, 80, 82, 80, 80, 8	
	8, 80, 81, 83, 82, 80, 82, 82, 56, FC, 80, 80, 8	
	1, 83, 56, A8, 28, 80, 80, FC, FC, 18, F3, 80, 8	
	8, 80, 54, F3, F3, A2, 80, 80, FC, F3, 80, 80, 8	
	3, FC, 56, A2, A2, 80, 1185	(583C)
410	DATA 54, FC, 81, F9, 80, 80, 80, A8, 81, FC, 8	
	8, 80, 80, 80, 80, 54, 80, 80, 82, 54, FC, 80, A	
	8, F3, 54, A8, 54, A8, 54, A2, 81, A8, FC, FC, 8	
	8, 51, 81, 80, 54, 54, FC, A2, 82, 80, A8, 80, F	
	9, 80, 54, 54, A8, 54, F9, A2, 80, 80, 80, FC, 8	
	8, 80, 82, A8, 80, 54, 1633	(809C)
420	DATA 80, 80, 54, 80, 80, FC, 80, 80, 80, A8, 5	
	4, 54, 80, 80, 81, 80, FC, F6, 80, 80, 81, FC, A	
	2, F3, 80, 80, 82, 54, F3, 80, 80, 80, 80, 80, 8	
	1, 80, 80, 80, 80, 81, 83, 82, 80, 80, 80, 80, 5	
	6, A9, 81, 80, 80, 18, 54, FC, FC, A8, 80, F3, 2	
	8, A8, 54, 54, 51, F3, 1828	(24AE)
430	DATA F3, FC, 54, 80, 80, 80, F3, FC, A8, 80, 8	
	8, 51, 51, A8, FC, A8, 80, 80, F6, A8, FC, A8, 8	
	8, 80, A8, FC, 80, 54, A2, 81, 80, 54, A8, A8, 5	
	1, 82, 80, 54, 54, FC, F3, 82, 80, 56, A8, A8, 8	
	8, 82, 81, A8, 80, 54, 80, 80, 56, FC, 80, A8, 5	
	1, 83, A8, A8, A8, A8, 19C8	(238C)
440	DATA 80, A3, 80, A8, 80, FC, 51, A2, A8, 80, A	
	8, 80, 80, 80, FC, 80, 54, A8, 80, 80, 56, 80, A	
	8, 80, 80, 80, 82, A8, 80, FC, 80, 80, A2, FC, 8	
	8, 80, 80, 51, A2, A8, A2, A8, 80, 80, 80, 51, F	
	6, 54, 80, 80, 81, 80, 80, 80, 80, 81, 83, 82, 8	
	8, 80, 80, 80, 56, 83, FA4	(FFB6)
450	DATA 81, 81, 80, 18, 54, FC, 56, 82, 80, F3, 2	
	8, FC, FC, 80, 51, F3, F3, A8, 80, 80, 80, 80, F	
	3, FC, 80, 80, 80, 51, 51, FC, FC, A9, 80, 80, F	
	6, A8, FC, A8, 80, 80, 56, A8, 54, 80, 80, 80, 8	
	2, 80, 80, 80, F3, 81, 80, 56, A8, 54, 51, 82, 8	
	1, A8, 54, A8, A2, 80, 164C	(FE9E)
460	DATA 56, FC, 54, A8, 51, 83, A8, A8, 80, A8, 8	
	8, A3, 80, 54, 80, 54, 51, A3, A8, 54, A8, A8, 8	
	8, 80, FC, 80, 80, 80, 80, 80, A8, 80, 54, 54, 8	
	8, 80, FC, 80, 80, A8, 80, 80, A8, A8, 54, 80, 8	
	8, 80, F9, FC, 80, A8, 80, 80, F3, 51, FC, A8, 8	
	8, 80, 80, F3, A8, 54, 1628	(CC8A)
470	DATA 38, 38, 38, 38, 38, 38, 78, F8, F8, F8, F	
	8, F8, 78, F8, F8, F8, F8, F8, 58, A8, 80, 80, 8	
	8, 80, 58, F8, C3, 83, F8, A8, 18, E1, C3, 83, F	
	8, A8, 18, C3, 83, 56, FC, A8, 18, 82, 14, A8, 5	
	4, A8, 18, C6, 9C, EC, DC, A8, 41, 83, 14, A8, F	
	C, A8, 41, 83, 83, FC, 2188	(E3F8)
480	DATA FC, A8, 41, 83, 82, 54, FC, A8, 41, 83, 8	
	2, 54, FC, A8, 41, 83, 83, FC, FC, A8, 41, 83, 8	
	8, 80, FC, A8, 18, 82, 80, 80, 54, A8, 18, 82, 8	
	8, 80, 54, A8, 18, 82, 83, 83, 54, A8, 18, 83, F	
	C, FC, FC, A8, 18, A1, FC, FC, A8, A8, 18, F8, F	
	C, FC, 80, 80, 38, 38, 188F	(3244)
490	DATA 38, 38, 38, 78, 78, F8, F8, F8, F8, F8, 7	
	8, F8, F8, F8, F8, F8, 38, 38, 38, 38, 38, 38, 7	
	8, F8, F8, F8, F8, F8, 78, F8, F8, F8, F8, F8, 5	
	8, F8, F8, 80, 80, 80, 41, E1, E1, 82, 52, 82, 4	
	1, E1, C3, 83, 52, 82, 41, C3, 83, 83, 83, A8, 4	
	1, 83, 83, 83, 56, A8, 2232	(5EE6)
500	DATA 41, 82, 83, 83, 54, A8, 41, 83, 80, ED, F	
	C, A8, 18, 83, 81, A8, FC, A8, 18, 83, 83, A9, F	
	C, A8, 18, 83, 83, FC, FC, A8, 18, C3, 82, 54, F	
	C, A8, 18, E1, 83, FC, F8, A8, 18, E1, 83, 56, F	
	8, A8, 18, E1, 82, 54, F8, A8, 18, E1, 54, A8, F	
	8, A8, 18, F8, 83, FC, 2818	(8CB2)
510	DATA F8, A8, 18, F8, 56, FC, F8, A8, 18, F8, F	
	4, F8, F8, A8, 58, 58, 58, 58, 58, 58, 78, F8, F	
	8, F8, F8, F8, 78, F8, F8, F8, F8, F8, 80, 80, 5	
	4, A8, 80, 81, 82, 44, 80, A8, 80, 83, 83, 44, 5	
	4, A8, 80, 83, 83, 83, 82, A8, 81, A9, 56, A9, 8	
	3, 89, 81, A9, 56, 56, 1875	(512A)
520	DATA 89, 23, 83, A9, 56, 56, 82, FC, A9, A9, 5	
	6, 56, 83, 54, A9, A9, 56, 56, 81, 16, 29, A9, 5	
	6, 82, 80, 16, 29, A9, 56, 82, 80, 16, 29, A9, 5	
	6, 80, 80, 16, 29, A9, 56, 80, 80, 16, 3C, A9, 5	
	6, 80, 80, 44, 3C, 29, 56, 80, 80, 44, 3C, 29, 8	
	2, 80, 80, CC, 3C, 29, 18AE	(C37E)
530	DATA 82, 80, 80, 80, 3C, 29, 82, 80, 28, 88, 1	
	4, 28, 82, 18, 25, 80, A8, 28, 80, 18, 28, 8A, F	
	8, 28, 80, 18, 78, 80, F8, 28, 80, 18, 78, F8, 8	
	4, 28, 80, 80, 38, F8, 80, 3C, 80, 38, 78, F8, F	
	8, 3C, 80, 80, 80, 44, C6, 80, 80, 80, 80, 82, 8	
	8, 82, 80, 80, 41, 80, EC9	(3822)
540	DATA 80, 81, 80, 80, 80, 82, 80, 82, 80, 80, 8	
	8, 82, 28, 82, 85, 80, 41, C3, 21, 80, 80, 80, 4	
	1, 83, 28, 80, 81, 80, 85, 12, 18, 80, 81, 43, 8	
	3, 82, 80, 80, 80, 43, 83, 80, 41, 8A, 80, 41, 8	
	3, 83, 83, 80, 80, 41, 83, 83, 82, 8A, 80, 80, 8	
	3, 80, 80, 80, 80, 80, 582	(E3EA)
550	DATA 83, 83, 80, 80, 80, 80, 41, 43, 80, 80, 8	
	8, 80, 18, 83, 82, 80, 80, 80, 38, 21, 43, 80, 8	
	8, 18, 38, 21, 83, 82, 80, 18, 38, F8, 83, 82, 8	
	8, 18, 78, F8, A1, 82, 80, 18, F8, F8, A1, 80, 8	
	8, 83, 78, F8, 80, 80, 83, 82, 58, A8, 80, 80, 8	
	8, 38, 38, F8, F8, 80, 80, 88A	(41F8)
560	DATA 3C, 3C, 3C, 3C, 3C, 3C, 83, 83, 83, 83, 8	
	3, 83, 13, 33, 33, 33, 33, 77, 13, 3F, 3F, 3F, 3	
	F, 7F, 13, 3F, 3F, 3F, 3F, 7F, 13, 3F, 3F, 3F, 3	

	F,7F,13,3F,3F,3F,3F,7F,13,3F,33,33,7	
	7,7F,13,3F,37,3F,7F,7F,13,3F,37,3F,7	
	F,7F,13,3F,37,3F,F0A	[CB103]
570	DATA 7F,7F,13,3F,37,33,7F,7F,13,3F,3	
	7,77,7F,7F,13,3F,37,77,7F,7F,13,3F,3	
	7,3F,7F,7F,13,3F,37,3F,7F,7F,13,3F,3	
	7,3F,7F,7F,13,3F,77,FF,FF,7F,13,3F,3	
	F,3F,3F,7F,13,3F,3F,3F,7F,13,3F,3	
	F,3F,3F,7F,13,FF,1500	[EF203]
580	DATA FF,FF,FF,FF,03,03,03,03,03,03,3	
	C,3C,3C,3C,3C,3C,00,00,00,00,00,00,3	
	C,14,3C,3C,14,3C,70,14,F0,F0,14,F0,7	
	0,14,F0,F0,14,F0,00,00,00,00,00,00,3	
	C,3C,20,3C,3C,3C,70,F0,A0,70,F0,F0,7	
	0,F0,A0,70,F0,F0,1702	[2C023]
590	DATA 00,00,00,00,00,00,3C,20,3C,3C,2	
	0,3C,70,A0,70,F0,A0,70,70,A0,70,F0,A	
	0,70,00,00,00,00,00,00,3C,3C,3C,14,3	
	C,3C,70,F0,F0,14,F0,F0,70,F0,F0,14,F	
	0,F0,00,00,00,00,00,00,3C,14,3C,3C,1	
	4,3C,70,14,F0,F0,15C0	[E34E3]
600	DATA 14,F0,70,14,F0,F0,14,F0,00,00,0	
	0,00,00,00,3C,3C,20,3C,3C,3C,70,F0,A	
	0,70,F0,F0,70,F0,A0,70,F0,F0,00,30,3	
	0,F0,F0,00,00,30,30,F0,F0,02,00,30,3	
	0,F0,F0,03,00,30,30,F0,C3,03,00,30,3	
	0,C3,03,03,00,30,190C	[F7403]
610	DATA C3,03,03,00,00,C3,03,03,00,00,C	
	3,03,03,00,F0,00,03,03,00,F0,F0,00,0	
	3,00,F0,F0,F0,00,41,F0,30,F0,F0,00,0	
	0,30,25,40,F0,00,00,30,25,CC,F0,00,0	
	0,30,25,CC,50,02,00,30,20,00,F0,03,0	
	0,30,30,F0,C3,03,1505	[73443]
620	DATA 00,30,30,C3,03,03,00,30,C3,03,0	
	3,00,C3,C3,03,03,00,00,C3,03,03,00,F	
	0,00,03,03,00,F0,F0,00,03,00,F0,F0,F	
	0,00,41,F0,30,F0,F0,00,30,30,F0,F	
	0,00,3F,20,00,00,14,3F,7F,20,00,00,1	
	4,FF,7F,BF,00,00,1453	[5D0A3]
630	DATA 7F,FF,7D,FF,3F,3F,FF,0E,3D,C3,3	
	F,FF,C3,0E,15,03,FF,FF,03,AA,15,03,C	
	3,C3,03,AA,15,03,03,03,03,AA,15,0E,3	
	0,30,57,AA,15,0E,30,70,57,AA,15,0E,3	
	0,F0,57,AA,15,0E,30,F0,57,AA,15,0E,7	
	0,F0,57,AA,15,0E,2072	[3B123]
640	DATA 70,F0,57,AA,15,0E,70,F0,57,AA,1	
	5,0E,F0,F0,57,AA,15,C3,C3,03,03,AA,1	
	5,03,03,03,03,AA,15,03,FF,FF,03,AA,3	
	D,03,3F,FF,03,0E,3D,BF,FF,FF,FF,0E,7	
	F,7F,00,00,FF,FF,7F,20,00,00,14,FF,7	
	F,20,00,00,14,FF,1DE2	[0EB63]
650	DATA 0F,0A,14,A0,05,0F,1A,00,14,A0,0	
	0,44,5A,20,14,A0,10,E4,0A,00,14,A0,7	
	0,44,0A,50,34,F0,A0,44,00,00,F0,F0,0	
	0,00,00,00,50,A0,00,00,00,00,20,F0,0	
	0,00,41,10,0A,50,20,02,02,70,14,A0,0	
	0,41,10,A0,14,A0,12CB	[50003]
660	DATA 50,20,50,01,14,A0,02,A0,00,03,1	
	4,A0,03,00,00,02,14,A0,01,00,15,00,1	
	4,A0,00,00,15,00,14,A0,00,00,15,2A,1	
	4,A0,00,00,15,BF,14,A0,00,00,15,FF,3	
	E,A0,00,00,15,FF,3E,FF,15,00,15,FF,0	
	F,FF,2A,BF,15,FF,10FC	[51003]
670	DATA FF,FF,00,FF,15,FF,FF,FF,55,00,5	
	5,00,00,A0,00,00,00,00,05,0F,00,00,0	
	0,00,40,C3,A0,00,00,00,1F,97,56,00,0	
	0,05,1F,97,56,00,00,05,C3,C3,56,00,0	
	0,05,C3,C3,56,00,00,05,02,41,56,A0,0	
	0,0F,02,00,03,FC,1310	[69E43]
680	DATA 05,40,03,03,03,56,05,C3,C3,C3,0	
	3,FC,05,C3,C3,03,03,FC,40,C3,C3,03,0	
	3,A0,40,C3,C3,03,56,A0,40,C3,C3,03,5	
	4,A0,40,C3,C3,03,56,00,40,C3,C3,03,F	
	C,00,40,C3,C3,56,A0,00,05,C3,C3,56,A	
	0,00,00,C3,03,FC,1E40	[8EF43]
690	DATA 00,00,00,40,56,A0,00,00,00,41,0	
	3,A0,00,00,00,00,C3,56,00,00,00,00,4	
	1,03,A0,00,00,00,00,FC,FC,00,00,00,0	
	0,00,00,00,00,00,05,0F,00,00,00,00,0	
	F,C3,02,00,00,00,1A,92,02,00,00,05,1	
	A,92,56,00,00,05,954	[29503]
700	DATA 40,C3,56,00,00,05,C3,00,56,00,0	
	0,05,02,00,03,A0,00,0F,03,03,03,A0,0	
	5,40,C3,C3,03,03,05,40,C3,03,03,FC,0	
	5,C3,C3,03,FC,FC,0F,C3,C3,03,FC,A0,4	
	0,C3,C3,03,FC,A0,40,C3,C3,03,FC,A0,4	
	0,C3,C3,03,FC,00,1000	[C02A3]
710	DATA 40,C3,C3,56,FC,00,05,C3,03,56,A	
	0,00,00,40,03,FC,00,00,00,C3,56,A0,0	
	0,00,00,41,03,A0,00,00,00,00,03,56,0	
	0,00,00,00,41,56,FC,00,00,00,00,00,0	
	0,00,00,45,00,0A,00,05,00,CF,00,0F,0	
	F,4E,00,4F,0A,0F,EC6	[25743]
720	DATA 3F,CC,00,4E,20,05,3F,00,00,4E,2	
	0,05,0F,00,00,4E,20,00,4E,00,00,4E,2	
	0,00,4E,00,45,44,00,45,4E,0A,0A,0F,0	
	A,0A,4E,45,00,05,45,00,4E,00,00,05,4	
	5,05,4E,00,05,05,00,0F,2F,CC,4E,05,0	
	0,44,CD,00,0A,05,CF7	[19CC3]
730	DATA 0A,00,11,25,00,05,05,00,0A,00,0	
	5,0F,45,05,0A,0F,0D,05,05,0F,0A,0F,0	
	0,05,00,0F,00,4E,0A,0F,00,00,05,00,4	

	E,00,00,00,0A,05,00,00,0A,05,4E,00,0	
	5,05,0F,0F,25,00,1F,CC,4F,05,1A,05,4	
	4,0F,25,22,20,00,A14	[FC22]
740	DATA 3F,3F,3F,3F,3F,3F,3F,7F,6B,C3,C	
	3,07,6B,C3,C3,57,6B,30,30,57,6B,30,7	
	0,57,6B,25,5A,57,6B,25,00,57,6B,25,0	
	0,57,6B,64,00,57,6B,70,F0,57,6B,F0,F	
	0,57,6B,03,03,57,20,03,03,57,7F,FF,F	
	F,FF,FF,FF,FF,FF,FF,1E15	[A9DE]
750	DATA 54,FC,14,3C,FC,A0,3C,20,FC,14,3	
	C,54,F0,50,F0,50,F0,50,F0,50,3C,20,F	
	C,A0,3C,54,FC,14,20,FC,A0,3C,A0,F0,A	
	0,F0,A0,F0,A0,F0,FC,14,3C,54,A0,3C,2	
	0,FC,14,3C,54,FC,50,F0,50,F0,50,F0,5	
	0,F0,50,F0,50,F0,2300	[13DC]
760	DATA 00,00,0A,00,00,00,44,20,20,10,0F,1	
	0,0A,10,05,0A,0A,05,25,25,00,1A,4E,4	
	4,25,0D,05,30,00,10,1A,0D,1A,0A,25,4	
	E,05,10,25,90,0A,05,90,0A,0A,90,05,6	
	4,25,05,64,10,00,25,05,25,05,00,20,0	
	A,20,00,0A,05,00,001	[EEB4]
770	DATA 00,00,00,00,00,00,00,00,00,10,00,4	
	4,00,00,00,00,00,00,00,1A,00,10,0F,2	
	0,10,00,0F,0F,20,10,1A,0D,00,00,25,1	
	A,1A,05,0F,64,20,64,25,0D,00,00,1A,4	
	E,0A,10,25,30,1A,00,90,4E,00,10,00,0	
	0,20,00,10,20,00,700	[96D2]
780	DATA 10,00,00,00,00,00,20,10,20,00,10,2	
	0,00,00,05,20,00,00,05,20,00,00,0F,3	
	C,03,00,07,29,00,03,0F,3C,00,00,0F,3	
	C,00,00,0F,3C,03,00,07,29,00,03,0F,3	
	C,00,00,05,29,03,00,01,02,00,00,02,0	
	0,00,03,00,00,00,300	[0FC0]
790	DATA 00,00,00,00,20,10,20,10,00,00,10,2	
	0,00,00,05,20,00,00,05,20,00,03,0F,3	
	C,00,00,07,29,00,00,0F,3C,03,00,0F,3	
	C,00,03,0F,3C,00,00,07,29,00,00,0F,3	
	C,03,03,07,20,00,00,01,02,00,00,00,0	
	1,00,00,00,00,03,300	[50C2]
800	DATA F3,F3,F3,F3,F7,FF,FF,FF,07,6B,9	
	7,7F,07,61,12,7F,07,02,01,7F,03,00,0	
	0,57,53,00,00,57,07,02,A1,7F,07,02,A	
	1,7F,07,02,A1,7F,07,20,70,7F,07,3F,7	
	A,F3,07,3F,3A,7F,07,3F,3F,7F,F7,FF,F	
	F,FF,FF,FF,FF,FF,FF,2702	[6992]
810	DATA 15,7F,00,7F,7F,7F,00,7F,55,FF,0	
	0,7F,00,FF,00,7F,15,7F,00,7F,7F,7F,0	
	0,7F,55,FF,3F,7F,00,FF,FF,FF,15,7F,0	
	0,7F,7F,7F,00,7F,55,FF,00,7F,00,FF,0	
	0,7F,15,7F,00,7F,7F,7F,00,7F,55,FF,3	
	F,7F,00,FF,FF,FF,FF,1000	[1F74]
820	DATA 15,3F,3F,3F,7F,7F,FF,FF,55,FF,0	
	0,7F,00,FF,00,7F,15,7F,00,7F,7F,7F,0	
	0,7F,55,FF,00,7F,00,FF,3F,7F,15,7F,F	
	F,FF,7F,7F,00,7F,55,FF,00,7F,00,FF,0	
	0,7F,15,7F,00,7F,7F,00,7F,55,FF,3	
	F,7F,00,FF,FF,FF,FF,1C3E	[5140]
830	DATA 3F,3F,3F,3F,FF,FF,FF,FF,00,7F,0	
	0,7F,00,7F,00,7F,00,7F,00,7F,00,7F,0	
	0,7F,00,7F,00,7F,3F,7F,3F,7F,FF,FF,F	
	F,FF,00,7F,00,7F,00,7F,00,7F,00,7F,0	
	0,7F,00,7F,00,7F,00,7F,00,7F,3F,7F,3	
	F,7F,FF,FF,FF,FF,FF,19D4	[D1CE]
840	DATA 05,0F,0F,0A,4E,CC,CC,CC,0A,00,0	
	0,44,0A,00,00,44,0F,0F,CC,CC,44,CC,C	
	C,00,00,44,00,00,00,05,00,00,00,05,0	
	0,00,00,05,00,00,05,0F,00,00,05,CC,0	
	0,00,00,44,00,00,00,4E,00,00,05,0F,0	
	0,00,05,CC,00,00,F94	[EAD0]
850	DATA 00,05,00,00,00,4E,00,00,05,CC,0	
	0,00,44,00,4E,0A,0F,4E,CC,00,4E,CC,4	
	4,0D,00,CC,0A,CC,0F,4E,00,CC,4E,CC,0	
	0,CC,00,CC,0A,CC,0F,4E,00,CC,4E,CC,0	
	0,00,00,CC,0A,00,0F,4E,CC,00,4E,CC,0	
	0,00,00,00,00,00,1500	[D0C0]
860	DATA 02,00,00,41,C3,00,00,03,03,02,4	
	1,A9,03,C3,03,A9,03,97,20,A9,03,2F,2	
	F,A9,03,2A,15,A9,03,3F,20,A9,03,15,0	
	0,A9,03,00,00,A9,03,00,00,A9,02,00,0	
	0,01,02,00,00,01,02,00,00,01,00,00,0	
	0,00,00,00,00,00,1205	[5A0C]
870	DATA 00,00,00,00,C3,00,41,C3,03,C3,0	
	3,A9,03,97,20,A9,03,3A,3A,A9,03,2A,1	
	5,A9,03,3F,20,A9,03,15,00,A9,03,00,0	
	0,A9,03,00,00,A9,03,00,00,A9,02,00,0	
	0,01,02,00,00,01,02,00,00,01,02,00,0	
	0,01,02,00,00,01,121C	[A57C]
880	DATA 00,00,0A,00,00,05,CC,00,00,4E,C	
	C,0A,05,CC,44,00,4E,CC,00,00,CC,0D,0	
	F,4E,CC,44,4E,CC,CC,00,CC,00,CC,05,0	
	F,4E,CC,44,4E,CC,CC,00,CC,00,44,05,0	
	F,4E,44,44,4E,CC,00,00,CC,00,00,44,0	
	F,4E,00,00,4E,CC,14FD	[0AF6]
890	DATA 00,00,00,00,3F,00,00,3F,00,0F,7	
	F,00,15,AA,55,AA,00,FF,FF,00,FF,00,0	
	0,FF,00,00,00,00,3F,3F,3F,3F,FF,FF,F	
	F,FF,00,00,00,00,3F,00,00,3F,00,0F,7	
	F,00,15,AA,55,AA,00,FF,FF,00,FF,00,0	
	0,FF,00,00,00,00,13E4	[15C4]

Listing 4: 40 vordefinierte Shapes für «Horrible Halls» (Schluß)