

10	MEMORY 36999:LOAD"!fire.gra":LOAD"!fi	
	re.bin	[F00A]
20	DEFINT a-m:FOR n=0 TO 15:READ a:INK n	
	,a:NEXT	[7886]
30	DATA 0,13,26,23,6,24,18,16,1,15,8,19,	
	2,7,25,26	[F61E]
40	BORDER 0:MODE 0:high=0	[C910]
50	FOR z=41500 TO 41508:READ a:POKE z,a:	
	NEXT:FOR z=41510 TO 41518:READ a:POKE	
	z,a:NEXT	[1F76]
60	DATA 0,30,4,2,1,144,1,0,1,0,0,4,10,1,	
	144,0,1,4	[0EAA]
70	ENT 1,10,-20,3:ENV 1,1,10,1,10,-1,4:E	
	NT 2,50,2,1,10,-2,1,10,2,1,10,-2,1,20	
	,2,1	[B4A4]
80	SYMBOL 250,0,238,136,136,232,40,40,23	
	8	[02E4]
90	SYMBOL 251,0,238,170,170,174,172,170,	
	234	[96B6]
100	SYMBOL 252,0,224,132,132,224,132,132	
	,224	[3DE0]
110	SYMBOL 253,0,238,170,170,202,170,170	
	,238	[B800]
120	SYMBOL 254,0,170,170,234,234,234,170	
	,174	[9B06]
130	SYMBOL 255,0,224,132,132,224,36,36,2	
	24	[A338]
140	'	[02B8]
150	'Titelbild	[52F4]
160	'	[04BC]

Listing 1. »Fire«, helfen Sie Willy, dem Draine, bei der Erfüllung seiner schweren Aufgabe

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170 MODE 0:RESTORE 180:FOR n=1 TO 51:REA
D x,y:CALL &9664,x,y,37000:NEXT
180 DATA 9,5,13,5,17,5,21,5,29,5,37,5,41
,5,45,5,57,5,61,5,65,5,69,5
190 DATA 9,9,29,9,37,9,49,9,57,9
200 DATA 9,13,29,13,37,13,49,13,57,13
210 DATA 9,17,13,17,17,17,29,17,37,17,41
,17,45,17,57,17,61,17,65,17,69,17
220 DATA 9,21,29,21,37,21,45,21,57,21
230 DATA 9,25,29,25,37,25,49,25,57,25
240 DATA 9,29,29,29,37,29,49,29,57,29,61
,29,65,29,69,29
250 PEN 12:LOCATE 3,24:PRINT CHR$(164);"
Werner Schmidt":PEN 2:LOCATE 18,25:
PRINT"/"
260 CALL &9674,61,49,38120:CALL &9674,65
,49,38120:CALL &9674,73,49,38344:CAL
L &9674,77,49,38280
270 CALL &9664,17,34,37896:CALL &9674,25
,35,38120:CALL &9674,29,35,38088
280 CALL &9664,49,34,37768:CALL &9674,57
,35,38152:CALL &9674,61,35,38088
290 CALL &9664,17,42,37640:CALL &9674,25
,43,38184:CALL &9674,29,43,38088
300 CALL &9664,49,42,37128:CALL &9674,57
,43,38120:CALL &9674,61,43,38088:CAL
L &9674,65,43,38088
310 PEN 3:LOCATE 6,18:PRINT "=":LOCATE 14
,18:PRINT "=":LOCATE 6,22:PRINT "=":LO
CATE 14,22:PRINT "="
320 WHILE JOY(0)<>16
330 CALL &9664,17,13,37128:CALL &9664,29
,1,37128:CALL &9664,49,21,37128:CALL
&9664,69,13,37128
340 FOR n=1 TO 250:NEXT
350 CALL &9664,17,13,37192:CALL &9664,29
,1,37192:CALL &9664,49,21,37192:CALL
&9664,69,13,37192
360 FOR n=1 TO 250:NEXT:WEND
370
380 'Spielfeld
390
400 MODE 0:FOR n=1 TO 77 STEP 4:CALL &96
64,n,1,37000:NEXT:RESTORE 1000
410 FOR n=5 TO 47 STEP 4:CALL &9664,1,n,
37000:CALL &9664,77,n,37000:NEXT
420 FOR n=5 TO 73 STEP 4:CALL &9664,n,45
,37000:NEXT
430 LOCATE 1,25:PRINT CHR$(250);CHR$(251
);CHR$(252);:LOCATE 16,25:PRINT CHR$
(253);CHR$(254);CHR$(255);
440 FOR n=13 TO 29 STEP 4:CALL &9674,n,4
9,38088:NEXT:CALL &9674,43,49,38216:
sp=2000
450 FOR z=42019 TO 42022:POKE z,0:NEXT:b
ild=1:live=5:level=1:POKE 42003,8:PO
KE 42004,145:POKE 42023,8:POKE 42024
,147:POKE 42025,136:POKE 42026,147:P
OKE 42027,8:POKE 42028,148
460 WINDOW#1,2,19,3,22:CLS#1
470 READ x,y:IF x=0 THEN 490
480 CALL &9664,x,y,37000:GOTO 470
490 READ x,y:IF x=0 THEN 510
500 CALL &9664,x,y,37064:GOTO 490
510 FOR n=1 TO 4:READ x,y:POKE 42005+2*(
n-1),x:POKE 42006+2*(n-1),y:CALL &96
64,x,y,37128:NEXT:READ x,y:xv=x:yv=y
:POKE 42052,0
520 POKE 42013,0:POKE 42014,x:POKE 42015
,y:CALL &9664,x,y,37512:POKE 42001,0
:POKE 42002,5:CALL &9674,73,49,38248
:CALL &9674,77,49,38088
530 POKE 42016,136:POKE 42017,146:POKE 4
2018,2:POKE 42053,100:POKE 42054,14-
2*level
540 FOR z=42029 TO 42044 STEP 3:POKE z,0
:NEXT
550 FOR z=42030 TO 42045 STEP 3
560 zz=INT(RND*4)
570 IF zz=0 THEN IF PEEK(42005)<>0 THEN
POKE z,PEEK(42005):POKE z+1,PEEK(420
06) ELSE 560
580 IF zz=1 THEN IF PEEK(42007)<>0 THEN
POKE z,PEEK(42007):POKE z+1,PEEK(420
08) ELSE 560
590 IF zz=2 THEN IF PEEK(42009)<>0 THEN
POKE z,PEEK(42009):POKE z+1,PEEK(420
10) ELSE 560
600 IF zz=3 THEN IF PEEK(42011)<>0 THEN
POKE z,PEEK(42011):POKE z+1,PEEK(420
12) ELSE 560
610 NEXT
620 SOUND 1,200,15,7:FOR z=1 TO 100:NEXT
:SOUND 4,210,15,7:FOR z=1 TO 100:NEX
T:SOUND 2,220,15,7:FOR z=1 TO 150:NE
XT
630
640 'Hauptroutine
650
660 CALL &9684:IF PEEK(42052)=4 THEN 830

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670
680 'Leben verloren
690
700 SOUND 2,200,100,7,,2:FOR n=1 TO 12:C
ALL &9664,PEEK(42014),PEEK(42015),37
256
710 FOR m=1 TO 60:NEXT:CALL &9664,PEEK(4
2014),PEEK(42015),37320
720 FOR m=1 TO 60:NEXT:NEXT
730 live=live-1:GOSUB 930:IF live=0 THEN
760
740 CALL &9674,43,49,38056+live*32:FOR z
=42030 TO 42045 STEP 3:CALL &9664,PE
EK(z),PEEK(z+1),38408:NEXT
750 x=xv:y=yv:GOTO 520
760 FOR n=366 TO 48 STEP -2:PLOT 32,n,0:
DRAW 572,0:NEXT
770 score=PEEK(42022)*10000+PEEK(42021)*
1000+PEEK(42020)*100+PEEK(42019)*10:
IF score>high THEN high=score
780 PEN 12:LOCATE 3,9:PRINT"G A M E<2>0
V E R":LOCATE 6,15:PRINT"High:";high
790 WHILE JOY(0)<>16:WEND:GOTO 170
800
810 'Bild geschafft
820
830 score=PEEK(42022)*10000+PEEK(42021)*
1000+PEEK(42020)*100+PEEK(42019)*10:
bonus=PEEK(42002)*100+PEEK(42001)*10
840 FOR n=bonus TO 10 STEP -10:score=sco
re+10:s$=STR$(score)
850 s$=MID$(s$,2):FOR m=LEN(s$) TO 4:s$=
"0"+s$:NEXT
860 FOR m=1 TO 4:CALL &9674,4*m+9,49,VAL
(MID$(s$,m,1))*32+38088
870 NEXT:SOUND 2,50,2,7:FOR z=1 TO 20:NE
XT:NEXT
880 bild=bild+1:IF bild=6 THEN bild=1:le
vel=level+1:RESTORE 1000
890 FOR n=1 TO 4:POKE 42023-n,VAL(MID$(s
$,n,1)):NEXT:GOSUB 930:GOTO 460
900
910 'Bonusleben
920
930 score=PEEK(42022)*10000+PEEK(42021)*
1000+PEEK(42020)*100+PEEK(42019)*10
940 IF score<sp THEN RETURN
950 live=live+1:FOR n=400 TO 50 STEP -50
:SOUND 1,n,3,7:NEXT:IF live=11 THEN
live=10
960 sp=sp+2000:CALL &9474,43,49,live*32+
38056:RETURN
970
980 'Bilder
990
1000 DATA 9,9,13,9,21,9,25,9,29,9,33,9,3
7,9,41,9,49,9,53,9,57,9,65,9,69,9,73,9
,77,9,81,9,85,9,89,9,93,9,97,9,101,9,105
,9,109,9,113,9,117,9,121,9,125,9,129,9,133
,9,137,9,141,9,145,9,149,9,153,9,157,9,161
,9,165,9,169,9,173,9,177,9,181,9,185,9,189
,9,193,9,197,9,201,9,205,9,209,9,213,9,217
,9,221,9,225,9,229,9,233,9,237,9,241,9,245
,9,249,9,253,9,257,9,261,9,265,9,269,9,273
,9,277,9,281,9,285,9,289,9,293,9,297,9,301
,9,305,9,309,9,313,9,317,9,321,9,325,9,329
,9,333,9,337,9,341,9,345,9,349,9,353,9,357
,9,361,9,365,9,369,9,373,9,377,9,381,9,385
,9,389,9,393,9,397,9,401,9,405,9,409,9,413
,9,417,9,421,9,425,9,429,9,433,9,437,9,441
,9,445,9,449,9,453,9,457,9,461,9,465,9,469
,9,473,9,477,9,481,9,485,9,489,9,493,9,497
,9,501,9,505,9,509,9,513,9,517,9,521,9,525
,9,529,9,533,9,537,9,541,9,545,9,549,9,553
,9,557,9,561,9,565,9,569,9,573,9,577,9,581
,9,585,9,589,9,593,9,597,9,601,9,605,9,609
,9,613,9,617,9,621,9,625,9,629,9,633,9,637
,9,641,9,645,9,649,9,653,9,657,9,661,9,665
,9,669,9,673,9,677,9,681,9,685,9,689,9,693
,9,697,9,701,9,705,9,709,9,713,9,717,9,721
,9,725,9,729,9,733,9,737,9,741,9,745,9,749
,9,753,9,757,9,761,9,765,9,769,9,773,9,777
,9,781,9,785,9,789,9,793,9,797,9,801,9,805
,9,809,9,813,9,817,9,821,9,825,9,829,9,833
,9,837,9,841,9,845,9,849,9,853,9,857,9,861
,9,865,9,869,9,873,9,877,9,881,9,885,9,889
,9,893,9,897,9,901,9,905,9,909,9,913,9,917
,9,921,9,925,9,929,9,933,9,937,9,941,9,945
,9,949,9,953,9,957,9,961,9,965,9,969,9,973
,9,977,9,981,9,985,9,989,9,993,9,997,9,1001
,9,1005,9,1009,9,1013,9,1017,9,1021,9,1025
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,9,1989,9,1993,9,1997,9,2001,9,2005,9,2009
,9,2013,9,2017,9,2021,9,2025,9,2029,9,2033
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,9,3981,9,3985,9,3989,9,3993,9,3997,9,4001
,9,4005,9,4009,9,4013,9,4017,9,4021,9,4025
,9,4029,9,4033,9,4037,9,4041,9,4045,9,4049
,9,4053,9,4057,9,4061,9,4065,9,4069,9,4073
,9,4077,9,4081,9,4085,9,4089,9,4093,9,4097
,9,4101,9,4105,9,4109,9,4113,9,4117,9,4121
,9,4125,9,4129,9,4133,9,4137,9,4141,9,4145
,9,4149,9,4153,9,4157,9,4161,9,4165,9,4169
,9,4173,9,4177,9,4181,9,4185,9,4189,9,4193
,9,4197,9,4201,9,4205,9,4209,9,4213,9,4217
,9,4221,9,4225,9,4229,9,4233,9,4237,9,4241
,9,4245,9,4249,9,4253,9,4257,9,4261,9,4265
,9,4269,9,4273,9,4277,9,4281,9,4285,9,4289
,9,4293,9,4297,9,4301,9,4305,9,4309,9,4313
,9,4317,9,4321,9,4325,9,4329,9,4333,9,4337
,9,4341,9,4345,9,4349,9,4353,9,4357,9,4361
,9,4365,9,4369,9,4373,9,4377,9,4381,9,4385
,9,4389,9,4393,9,4397,9,4401,9,4405,9,4409
,9,4413,9,4417,9,4421,9,4425,9,4429,9,4433
,9,4437,9,4441,9,4445,9,4449,9,4453,9,4457
,9,4461,9,4465,9,4469,9,4473,9,4477,9,4481
,9,4485,9,4489,9,4493,9,4497,9,4501,9,4505
,9,4509,9,4513,9,4517,9,4521,9,4525,9,4529
,9,4533,9,4537,9,4541,9,4545,9,4549,9,4553
,9,4557,9,4561,9,4565,9,4569,9,4573,9,4577
,9,4581,9,4585,9,4589,9,4593,9,4597,9,4601
,9,4605,9,4609,9,4613,9,4617,9,4621,9,4625
,9,4629,9,4633,9,4637,9,4641,9,4645,9,4649
,9,4653,9,4657,9,4661,9,4665,9,4669,9,4673
,9,4677,9,4681,9,4685,9,4689,9,4693,9,4697
,9,4701,9,4705,9,4709,9,4713,9,4717,9,4721
,9,4725,9,4729,9,4733,9,4737,9,4741,9,4745
,9,4749,9,4753,9,4757,9,4761,9,4765,9,4769
,9,4773,9,4777,9,4781,9,4785,9,4789,9,4793
,9,4797,9,4801,9,4805,9,4809,9,4813,9,4817
,9,4821,9,4825,9,4829,9,4833,9,4837,9,4841
,9,4845,9,4849,9,4853,9,4857,9,4861,9,4865
,9,4869,9,4873,9,4877,9,4881,9,4885,9,4889
,9,4893,9,4897,9,4901,9,4905,9,4909,9,4913
,9,4917,9,4921,9,4925,9,4929,9,4933,9,4937
,9,4941,9,4945,9,4949,9,4953,9,4957,9,4961
,9,4965,9,4969,9,4973,9,4977,9,4981,9,4985
,9,4989,9,4993,9,4997,9,5001,9,5005,9,5009
,9,5013,9,5017,9,5021,9,5025,9,5029,9,5033
,9,5037,9,5041,9,5045,9,5049,9,5053,9,5057
,9,5061,9,5065,9,5069,9,5073,9,5077,9,5081
,9,5085,9,5089,9,5093,9,5097,9,5101,9,5105
,9,5109,9,5113,9,5117,9,5121,9,5125,9,5129
,9,5133,9,5137,9,5141,9,5145,9,5149,9,5153
,9,5157,9,5161,9,5165,9,5169,9,5173,9,5177
,9,5181,9,5185,9,5189,9,5193,9,5197,9,5201
,9,520
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1140 DATA 57,5,13,29,33,33,57,33,41,5 [62A8]
1150 DATA 29,9,33,9,37,9,41,9,45,9,49,9,
53,9,57,9,65,9,69,9,53,13,9,17,17,1
7,9,21,17,21,21,21,25,21,29,21,33,2
1,37,21,41,21,45,21,49,21,53,21,57,
21,61,21,69,21 [899A]
1160 DATA 9,25,17,25,61,25,69,25,17,29,4
9,29,53,29,61,29,69,29,9,33,53,33,6
1,33,69,33 [6874]
1170 DATA 9,37,13,37,21,37,25,37,29,37,3
3,37,37,37,45,37,49,37,53,37,61,37,

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69,37,61,41,69,41,0,0 [3A9A]
1180 DATA 69,13,9,29,29,29,41,29,0,0 [A05A]
1190 DATA 9,13,17,13,65,41,73,41,57,41 [8214]
1200 DATA 13,13,17,13,21,13,57,13,61,13,
65,13,13,33,17,33,21,33,57,33,61,33
,65,33,0,0 [C7BE]
1210 DATA 29,17,49,17,29,29,49,29,0,0 [89C0]
1220 DATA 17,9,61,9,17,29,61,29,41,25 [4ABA]

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Listing 1. »Fire« (Schluß)

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100 ***** [31D4]
101 *FIREGRAF.DAT - DATA-Lader von 'CPC'* [679A]
102 ***** [A3D8]
103 ***** [DEB6]
104 DATA 9088,0C,0C,0C,0C,0C,0C,0C,0C,0404 [7C68]
105 DATA 9090,08,00,00,48,08,00,00,48,0088 [D88C]
106 DATA 9098,08,C0,C0,48,08,C0,C0,48,2A08 [DA4C]
107 DATA 90A0,08,C0,C0,48,08,C0,C0,48,2A08 [774E]
108 DATA 90A8,08,C0,C0,48,08,C0,C0,48,2A08 [EC60]
109 DATA 90B0,08,C0,C0,48,08,C0,C0,48,2A08 [FD54]
110 DATA 90B8,08,0C,0C,48,08,0C,0C,48,0220 [A626]
111 DATA 90C0,48,C0,C0,C0,48,C0,C0,C0,0000 [7D3E]
112 DATA 90C8,00,44,88,00,44,CC,CC,88,0000 [AA34]
113 DATA 90D0,CC,CC,CC,CC,00,CC,CC,CC,4224 [6D5C]
114 DATA 90D8,44,CC,CC,88,44,CC,CC,CC,0088 [52D2]
115 DATA 90E0,CC,CC,CC,00,CC,CC,CC,00,4848 [A42E]
116 DATA 90E8,44,CC,CC,88,44,CC,CC,CC,0044 [A614]
117 DATA 90F0,CC,CC,CC,CC,CC,CC,CC,CC,4444 [D08C]
118 DATA 90F8,44,CC,CC,CC,44,CC,CC,CC,0404 [F946]
119 DATA 9100,44,CC,CC,88,00,CC,CC,CC,02A8 [4BAC]
120 DATA 9108,00,00,A0,00,00,00,A0,00,1540 [3F6E]
121 DATA 9110,00,00,A0,00,00,50,A0,00,1400 [FC62]
122 DATA 9118,00,50,A0,00,00,50,A0,00,0000 [9A74]
123 DATA 9120,00,F0,F0,00,00,F0,F0,00,2020 [67C8]
124 DATA 9128,00,F0,F0,00,00,F0,D2,00,2064 [50EA]
125 DATA 9130,50,F0,D2,A0,50,F0,C3,A0,0426 [EF36]
126 DATA 9138,50,E1,61,A0,00,E1,61,00,1526 [22E4]
127 DATA 9140,00,92,30,00,00,10,20,00,2280 [7E56]
128 DATA 9148,00,50,00,00,00,50,00,00,1540 [5F56]
129 DATA 9150,00,50,00,00,00,50,00,00,1540 [F24A]
130 DATA 9158,00,50,A0,00,00,50,A0,00,0000 [0C7A]
131 DATA 9160,00,F0,A0,00,00,E1,F0,00,2A64 [B7F6]
132 DATA 9168,00,E1,F0,00,00,E1,D2,00,2460 [90F0]
133 DATA 9170,50,92,D2,A0,41,30,C3,A0,1F2E [FD44]
134 DATA 9178,41,92,C3,A0,00,92,C3,00,15AE [3736]
135 DATA 9180,00,30,61,00,00,10,20,00,0020 [2740]
136 DATA 9188,00,45,8A,00,45,CF,CF,8A,0000 [0C60]
137 DATA 9190,00,03,03,00,00,AB,57,00,02A2 [608C]
138 DATA 9198,00,03,03,00,00,02,01,00,00AA [4290]
139 DATA 91A0,00,02,01,00,A9,00,00,56,05BE [B2E4]
140 DATA 91A8,A9,00,00,56,01,00,00,56,51BE [02F8]
141 DATA 91B0,01,00,00,56,01,00,00,02,05EA [88A4]
142 DATA 91B8,54,00,00,FC,54,02,01,FC,2796 [1840]
143 DATA 91C0,FC,02,01,00,FC,01,02,00,7940 [520E]
144 DATA 91C8,00,45,8A,00,45,CF,CF,8A,0000 [6A74]
145 DATA 91D0,00,03,03,00,00,AB,57,00,02A2 [BCD0]
146 DATA 91D8,00,03,03,00,00,02,01,00,00AA [50A4]
147 DATA 91E0,00,02,01,00,A9,00,00,56,05BE [90EA]
148 DATA 91E8,A9,00,00,56,A9,00,00,02,54AA [FB2C]
149 DATA 91F0,A9,00,00,02,01,00,00,02,54AA [9CDC]
150 DATA 91F8,FC,00,00,A8,FC,02,01,A8,73C2 [0794]
151 DATA 9200,00,02,01,FC,00,01,02,FC,0F9C [BF24]
152 DATA 9208,00,45,8A,00,45,CF,CF,8A,0000 [034E]
153 DATA 9210,00,03,03,00,00,AB,57,00,02A2 [C1AA]
154 DATA 9218,00,03,03,00,00,02,01,00,00AA [077E]
155 DATA 9220,00,02,01,00,A9,00,00,56,05BE [21C4]
156 DATA 9228,A9,00,00,56,01,00,00,56,51BE [D9EA]
157 DATA 9230,01,33,33,56,01,33,33,02,0FE0 [75C6]
158 DATA 9238,54,33,33,FC,54,13,23,FC,2D36 [7664]
159 DATA 9240,FC,13,23,00,FC,01,02,00,7940 [5C0C]
160 DATA 9248,00,45,8A,00,45,CF,CF,8A,0000 [B154]
161 DATA 9250,00,03,03,00,00,AB,57,00,02A2 [31B0]
162 DATA 9258,00,03,03,00,00,02,01,00,00AA [E784]
163 DATA 9260,00,02,01,00,A9,00,00,56,05BE [0DCA]
164 DATA 9268,A9,00,00,56,A9,00,00,02,54AA [1A0C]
165 DATA 9270,A9,33,33,02,01,33,33,02,5EA0 [DDEC]
166 DATA 9278,FC,33,33,A8,FC,13,23,A8,7962 [EA9C]
167 DATA 9280,00,13,23,FC,00,01,02,FC,0F9C [044E]
168 DATA 9288,00,45,8A,00,45,CF,CF,8A,0000 [F16C]
169 DATA 9290,00,03,03,00,00,AB,57,00,02A2 [C1C8]
170 DATA 9298,00,03,03,00,00,13,23,00,00AA [2C96]
171 DATA 92A0,00,13,23,00,A9,33,33,56,0514 [01BE]
172 DATA 92A8,A9,33,33,56,01,33,33,56,58B4 [1434]
173 DATA 92B0,01,33,33,56,01,33,33,02,0FE0 [13E0]
174 DATA 92B8,54,33,33,FC,54,13,23,FC,2D36 [F67E]
175 DATA 92C0,FC,13,23,00,FC,01,02,00,7940 [A626]
176 DATA 92C8,00,45,8A,00,45,CF,CF,8A,0000 [8180]
177 DATA 92D0,00,03,03,00,00,AB,57,00,02A2 [CFDC]
178 DATA 92D8,00,03,03,00,00,13,23,00,00AA [DABC]
179 DATA 92E0,00,13,23,00,A9,33,33,56,0514 [01D6]
180 DATA 92E8,A9,33,33,56,A9,33,33,02,5EA0 [6256]
181 DATA 92F0,A9,33,33,02,01,33,33,02,5EA0 [0C06]
182 DATA 92F8,FC,33,33,A8,FC,13,23,A8,7962 [86B6]
183 DATA 9300,00,13,23,FC,00,01,02,FC,0F9C [4F3C]
184 DATA 9308,00,00,A2,00,00,00,A2,00,1504 [0DBE]
185 DATA 9310,00,51,A2,00,00,51,A2,00,0000 [5F86]
186 DATA 9318,00,F3,F3,00,00,F3,F3,00,208A [3D32]
187 DATA 9320,00,F3,F3,00,51,F3,F3,A2,22A0 [7E4C]
188 DATA 9328,51,79,B6,A2,51,79,B6,A2,28B2 [7766]
189 DATA 9330,51,F3,F3,A2,00,F3,F3,00,022A [7352]

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190 DATA 9338,00,7B,B7,2A,00,7B,B7,2A,0A28 [AF78]
191 DATA 9340,15,2A,00,00,15,2A,00,00,0000 [9186]
192 DATA 9348,00,51,00,00,00,51,00,00,1504 [6360]
193 DATA 9350,00,51,A2,00,00,51,A2,00,0000 [478C]
194 DATA 9358,00,F3,F3,00,00,F3,F3,00,208A [E738]
195 DATA 9360,00,F3,F3,00,51,F3,F3,A2,22A0 [6A52]
196 DATA 9368,51,79,B6,A2,51,79,B6,A2,28B2 [656C]
197 DATA 9370,51,F3,F3,A2,00,F3,F3,00,022A [3D58]
198 DATA 9378,15,7B,B7,00,15,7B,B7,00,028A [115C]
199 DATA 9380,00,00,15,2A,00,00,15,2A,0000 [699E]
200 DATA 9388,00,00,28,00,00,00,28,00,0550 [D664]
201 DATA 9390,00,14,28,00,00,14,28,00,0000 [0858]
202 DATA 9398,00,3C,3C,00,00,3C,3C,00,0808 [25FE]
203 DATA 93A0,00,3C,3C,00,14,3C,3C,28,0880 [5E1E]
204 DATA 93A8,14,36,39,28,14,36,39,28,0202 [78DA]
205 DATA 93B0,14,3C,3C,28,00,3C,3C,00,0088 [9E24]
206 DATA 93B8,00,1E,2D,0A,00,1E,2D,0A,02A8 [DB72]
207 DATA 93C0,05,0A,00,00,05,0A,00,00,0000 [7494]
208 DATA 93C8,00,14,00,00,00,14,00,00,0550 [B476]
209 DATA 93D0,00,14,28,00,00,14,28,00,0000 [D07E]
210 DATA 93D8,00,3C,3C,00,00,3C,3C,00,0808 [AC12]
211 DATA 93E0,00,3C,3C,00,14,3C,3C,28,0880 [7C24]
212 DATA 93E8,14,36,39,28,14,36,39,28,0202 [DDE0]
213 DATA 93F0,14,3C,3C,28,00,3C,3C,00,0088 [CC2A]
214 DATA 93F8,05,1E,2D,00,05,1E,2D,00,00AA [0556]
215 DATA 9400,00,00,05,0A,00,00,05,0A,0000 [356E]
216 DATA 9408,00,00,A0,00,00,00,A0,00,1540 [7880]
217 DATA 9410,00,50,A0,00,00,50,A0,00,0000 [2F74]
218 DATA 9418,00,F0,F0,00,00,F0,F0,00,2020 [76E6]
219 DATA 9420,00,F0,F0,00,50,F0,F0,A0,2200 [6F06]
220 DATA 9428,50,70,B0,A0,50,70,B0,A0,2A80 [4714]
221 DATA 9430,50,F0,F0,A0,00,F0,F0,00,0220 [A2FA]
222 DATA 9438,00,52,A1,02,00,52,A1,02,0088 [BEB4]
223 DATA 9440,01,02,00,00,01,02,00,00,0000 [6928]
224 DATA 9448,00,50,00,00,00,50,00,00,1540 [8156]
225 DATA 9450,00,50,A0,00,00,50,A0,00,0000 [057A]
226 DATA 9458,00,F0,F0,00,00,F0,F0,00,2020 [6AEC]
227 DATA 9460,00,F0,F0,00,50,F0,F0,A0,2200 [480C]
228 DATA 9468,50,70,B0,A0,50,70,B0,A0,2A80 [CF2C]
229 DATA 9470,50,F0,F0,A0,00,F0,F0,00,0220 [2312]
230 DATA 9478,01,52,A1,00,01,52,A1,00,0022 [7A9E]
231 DATA 9480,00,00,01,02,00,00,01,02,0000 [772E]
232 DATA 9488,00,00,00,00,00,00,00,00,0000 [2034]
233 DATA 9490,00,00,00,00,00,00,00,00,0000 [1928]
234 DATA 9498,00,88,44,00,00,CC,CC,00,2828 [C12A]
235 DATA 94A0,00,44,CC,88,00,44,CC,88,0000 [9234]
236 DATA 94A8,00,CC,CC,00,00,44,88,88,2A08 [5D6C]
237 DATA 94B0,00,00,00,00,00,00,00,00,0000 [C542]
238 DATA 94B8,00,00,00,00,00,00,00,00,0000 [1E54]
239 DATA 94C0,00,00,00,00,00,00,00,00,0000 [F748]
240 DATA 94C8,00,10,30,20,00,F0,F0,20,0200 [D9B4]
241 DATA 94D0,00,B0,50,20,00,B0,50,20,2640 [45B8]
242 DATA 94D8,00,B0,50,20,00,B0,50,20,2640 [14CA]
243 DATA 94E0,00,B0,70,20,00,F0,F0,00,2220 [94DC]
244 DATA 94E8,00,00,00,20,00,00,50,20,0280 [E57A]
245 DATA 94F0,00,00,50,20,00,00,50,20,0880 [D784]
246 DATA 94F8,00,00,50,20,00,00,50,20,0880 [2A96]
247 DATA 9500,00,00,50,20,00,00,50,00,08A0 [BB6C]
248 DATA 9508,00,10,30,20,00,F0,F0,20,0200 [BAA0]
249 DATA 9510,00,00,50,20,00,10,70,20,0880 [386A]
250 DATA 9518,00,F0,F0,00,00,B0,00,00,20C0 [0CCE]
251 DATA 9520,00,B0,30,20,00,F0,F0,00,2A20 [B1CC]
252 DATA 9528,00,10,30,20,00,F0,F0,20,0200 [269A]
253 DATA 9530,00,00,50,20,00,10,70,20,0880 [8864]
254 DATA 9538,00,F0,F0,20,00,00,50,20,2080 [56B2]
255 DATA 9540,00,10,70,20,00,F0,F0,00,0A20 [EBBA]
256 DATA 9548,00,10,00,20,00,B0,50,20,0440 [9282]
257 DATA 9550,00,B0,50,20,00,B0,70,20,2600 [4EA6]
258 DATA 9558,00,F0,F0,20,00,00,50,20,2080 [9ABE]
259 DATA 9560,00,00,50,20,00,00,50,00,08A0 [057E]
260 DATA 9568,00,10,30,20,00,F0,F0,00,0220 [FCA0]
261 DATA 9570,00,B0,00,00,00,B0,30,20,2E80 [AFBB]
262 DATA 9578,00,F0,F0,20,00,00,50,20,2080 [0AB8]
263 DATA 9580,00,10,70,20,00,F0,F0,00,0A20 [1DC0]
264 DATA 9588,00,10,30,20,00,F0,F0,00,0220 [94AC]
265 DATA 9590,00,B0,00,00,00,B0,30,20,2E80 [D3C4]
266 DATA 9598,00,F0,F0,20,00,B0,50,20,2240 [1AE4]
267 DATA 95A0,00,B0,70,20,00,F0,F0,00,2220 [F1E2]
268 DATA 95A8,00,10,30,20,00,F0,F0,20,0200 [DCC6]
269 DATA 95B0,00,00,50,20,00,00,50,20,0880 [DEBA]
270 DATA 95B8,00,00,50,20,00,00,50,20,0880 [F18A]
271 DATA 95C0,00,00,50,20,00,00,50,00,08A0 [B78C]
272 DATA 95C8,00,10,30,20,00,F0,F0,20,0200 [E0C0]
273 DATA 95D0,00,B0,50,20,00,B0,70,20,2600 [E2C0]
274 DATA 95D8,00,F0,F0,20,00,B0,50,20,2240 [FCF8]
275 DATA 95E0,00,B0,70,20,00,F0,F0,00,2220 [B7EB]

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Listing 2. Die Grafikroutinen bestehen aus fast 1 KByte Maschinencode


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276 DATA 95E8,00,10,30,20,00,F0,F0,20,0200 [CCCC]
277 DATA 95F0,00,80,50,20,00,80,70,20,2600 [BECC]
278 DATA 95F8,00,F0,F0,20,00,00,50,20,2080 [24E4]
279 DATA 9600,00,10,70,20,00,F0,F0,00,0A20 [D6C0]
280 DATA *ENDE* [8FC8]
281 adr=&9088:zeile=104:MEMORY adr-1 [FB36]
282 READ d$:IF d$="*ENDE*"THEN 293 [B89E]
283 pr=0 [8118]
284 FOR i=1 TO 8 [266E]
285 READ a$:a=VAL("&"+a$) [334C]
286 POKE adr,a:adr=adr+1 [6A28]
287 pr=pr*2:IF pr>65535 THEN pr=pr-65535 [D9A8]

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288 pr=UNT(pr)XOR a:IF pr<0 THEN pr=pr+6553 [A2C0]
6 [4616]
289 NEXT i
290 READ pr$:pr2=VAL("&"+pr$):IF pr2<0 THEN [ED90]
pr2=pr2+65536
291 IF pr<>pr2 THEN PRINT"Pruefsummenfehler [0418]
in Zeile";zeile:STOP [B96E]
292 zeile=zeile+1:GOTO 282 [1AF0]
293 SAVE"FIRE.GRA",B,&9088,&580:END

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Listing 2. Die Grafikroutinen (Schluß)

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100 ***** [31D4]
101 *FIRECODE.DAT - DATA-Lader von 'CPC'* [2A90]
102 ***** [A3D8]
103 ***** [DEB6]
104 DATA 9664,DD,5E,02,DD,7E,04,DD,46,768C [DFF4]
105 DATA 966C,01,DD,4E,00,CD,BA,9C,C9,3871 [330A]
106 DATA 9674,DD,5E,02,DD,7E,04,DD,46,768C [73FA]
107 DATA 967C,01,DD,4E,00,CD,2E,9D,C9,3923 [E3E2]
108 DATA 9684,CD,09,8B,FE,68,CC,25,9D,7CE7 [F94E]
109 DATA 968C,3A,10,A4,3C,32,10,A4,E6,0E3E [E09A]
110 DATA 9694,3F,FE,30,CC,25,9C,3A,10,29FC [36DA]
111 DATA 969C,A4,E6,07,FE,06,CC,56,9C,6780 [39F0]
112 DATA 96A4,3A,10,A4,E6,07,CC,2E,9B,002F [3FB4]
113 DATA 96AC,3A,10,A4,E6,01,CC,35,9B,0029 [2E90]
114 DATA 96B4,CD,D3,9B,3A,10,A4,E6,03,413F [E2AC]
115 DATA 96BC,FE,02,CC,E3,9A,3A,10,A4,6C8C [3828]
116 DATA 96C4,E6,01,C4,A4,9A,3A,10,A4,653C [91A2]
117 DATA 96CC,E6,03,FE,03,CC,B9,9A,3A,698A [C242]
118 DATA 96D4,10,A4,E6,07,FE,06,CC,CE,380E [5D10]
119 DATA 96DC,9A,3A,10,A4,E6,03,C2,EC,4D94 [E0F6]
120 DATA 96E4,96,DD,21,2D,A4,CD,55,99,7C97 [28E6]
121 DATA 96EC,3A,2D,A4,B7,CA,63,97,3A,0F78 [22FE]
122 DATA 96F4,2F,A4,5F,3A,2E,A4,01,08,352A [1FA0]
123 DATA 96FC,96,CD,BA,9C,3A,2D,A4,CB,6627 [7144]
124 DATA 9704,47,CA,1D,97,3A,2F,A4,3D,1BC9 [3AD8]
125 DATA 970C,32,2F,A4,5F,3A,2E,A4,ED,037D [9DEA]
126 DATA 9714,4B,27,A4,CD,BA,9C,C3,63,3255 [A8B8]
127 DATA 971C,97,CB,4F,CA,37,97,3A,2F,7FBF [8C44]
128 DATA 9724,A4,3C,32,2F,A4,5F,3A,2E,5DB6 [D4D6]
129 DATA 972C,A4,ED,4B,27,A4,CD,BA,9C,65AC [095C]
130 DATA 9734,C3,63,97,CB,57,CA,51,97,6685 [E89C]
131 DATA 973C,3A,2F,A4,5F,3A,2E,A4,3D,07AD [4000]
132 DATA 9744,32,2E,A4,ED,4B,27,A4,CD,0B91 [47CA]
133 DATA 974C,BA,9C,C3,63,97,3A,2F,A4,60FA [E500]
134 DATA 9754,5F,3A,2E,A4,3C,32,2E,A4,2F50 [48AC]
135 DATA 975C,ED,4B,27,A4,CD,BA,9C,3A,6F62 [AD44]
136 DATA 9764,10,A4,E6,07,C2,79,97,DD,38B7 [A8BA]
137 DATA 976C,21,30,A4,CD,55,99,DD,21,0587 [838E]
138 DATA 9774,33,A4,CD,55,99,3A,10,A4,28D4 [398E]
139 DATA 977C,E6,01,C2,0C,98,DD,21,30,6C06 [2C9E]
140 DATA 9784,A4,DD,7E,00,87,CA,FC,97,6D7F [893A]
141 DATA 978C,DD,7E,02,5F,DD,7E,01,01,73A3 [9ED8]
142 DATA 9794,08,96,CD,BA,9C,DD,7E,00,34E8 [41FE]
143 DATA 979C,CB,47,CA,86,97,DD,7E,02,6152 [39F4]
144 DATA 97A4,3D,DD,77,02,5F,DD,7E,01,2671 [D7C6]
145 DATA 97AC,ED,4B,29,A4,CD,BA,9C,C3,6E5B [48B2]
146 DATA 97B4,FC,97,CB,4F,CA,D0,97,DD,42B3 [5854]
147 DATA 97BC,7E,02,3C,DD,77,02,5F,DD,3603 [8CE4]
148 DATA 97C4,7E,01,ED,4B,29,A4,CD,BA,24A8 [4C1E]
149 DATA 97CC,9C,C3,FC,97,CB,57,CA,EA,6E4A [3DA0]
150 DATA 97D4,97,DD,77,02,5F,DD,7E,01,7251 [92D2]
151 DATA 97DC,3D,DD,77,01,ED,4B,29,A4,2182 [55DC]
152 DATA 97E4,CD,BA,9C,C3,FC,97,DD,7E,53C8 [6686]
153 DATA 97EC,02,5F,DD,7E,01,3C,DD,77,0BB5 [451C]
154 DATA 97F4,01,ED,4B,29,A4,CD,BA,9C,37CC [4340]
155 DATA 97FC,DD,E5,E1,3E,33,8D,CA,0C,4AF4 [2078]
156 DATA 9804,98,DD,21,33,A4,C3,85,97,7BE1 [C5A0]
157 DATA 980C,3A,10,A4,E6,0F,C2,29,98,005A [2F92]
158 DATA 9814,DD,21,36,A4,CD,55,99,DD,6C93 [36E6]
159 DATA 981C,21,39,A4,CD,55,99,DD,21,07C7 [40BA]
160 DATA 9824,3C,A4,CD,55,99,3A,10,A4,2F54 [499A]
161 DATA 982C,E6,03,C2,BE,98,DD,21,36,67A0 [F2C2]
162 DATA 9834,A4,DD,7E,00,87,CA,AC,98,6DD0 [1F20]
163 DATA 983C,DD,7E,02,5F,DD,7E,01,01,73A3 [B1D8]
164 DATA 9844,08,96,CD,BA,9C,DD,7E,00,34E8 [EAFE]
165 DATA 984C,CB,47,CA,86,98,DD,7E,02,6C2A [D81A]
166 DATA 9854,3D,DD,77,02,5F,DD,7E,01,2671 [C488]
167 DATA 985C,ED,4B,2B,A4,CD,BA,9C,C3,6E1B [617E]
168 DATA 9864,AC,98,CB,4F,CA,80,98,DD,682D [1F3A]
169 DATA 986C,7E,02,3C,DD,77,02,5F,DD,3603 [27D6]
170 DATA 9874,7E,01,ED,4B,2B,A4,CD,BA,24B8 [1212]
171 DATA 987C,9C,C3,AC,98,CB,57,CA,9A,64CA [455C]
172 DATA 9884,98,DD,77,02,5F,DD,7E,01,75D1 [40EA]
173 DATA 988C,3D,DD,77,01,ED,4B,2B,A4,2186 [CAEB]
174 DATA 9894,CD,BA,9C,C3,AC,98,DD,7E,5174 [F54C]
175 DATA 989C,02,5F,DD,7E,01,3C,DD,77,0BB5 [CE0E]
176 DATA 98A4,01,ED,4B,2B,A4,CD,BA,9C,37EC [CD56]
177 DATA 98AC,DD,E5,E1,3E,3C,8D,CA,BE,4A3E [E2BC]
178 DATA 98B4,98,DD,23,DD,23,DD,23,3C,7019 [06D8]
179 DATA 98BC,35,98,3A,44,A4,FE,04,C8,3998 [1CDC]
180 DATA 98C4,CD,D3,9B,2A,45,A4,2B,7C,4372 [06CA]
181 DATA 98CC,B5,C2,CA,98,C3,84,96,DD,7F39 [C034]
182 DATA 98D4,21,15,A4,3A,1E,A4,DD,BE,0184 [03C6]
183 DATA 98DC,00,CC,45,99,DD,23,DD,23,35CD [9B08]
184 DATA 98E4,DD,BE,00,CC,45,99,DD,23,4C15 [6E0E]
185 DATA 98EC,DD,23,DD,BE,00,CC,45,99,7523 [BA16]
186 DATA 98F4,DD,23,DD,23,DD,BE,00,CC,780C [8C56]
187 DATA 98FC,45,99,DD,21,2E,A4,DD,BE,1F94 [084A]

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188 DATA 9904,00,CC,45,99,DD,23,DD,23,35CD [41CE]
189 DATA 990C,DD,23,DD,BE,00,CC,45,99,7523 [FAF6]
190 DATA 9914,DD,23,DD,23,DD,23,DD,BE,78B0 [EB1C]
191 DATA 991C,00,CC,45,99,DD,23,DD,23,35CD [99E2]
192 DATA 9924,DD,23,DD,BE,00,CC,45,99,7523 [88D0]
193 DATA 992C,DD,23,DD,23,DD,23,DD,BE,78B0 [A942]
194 DATA 9934,00,CC,45,99,DD,23,DD,23,35CD [41CE]
195 DATA 993C,DD,23,DD,BE,00,CC,45,99,7523 [E4F6]
196 DATA 9944,C9,3A,1F,A4,DD,BE,01,CA,6778 [7E18]
197 DATA 994C,52,99,3A,1E,A4,C9,E1,E1,0EC7 [14FE]
198 DATA 9954,C9,97,32,3F,A4,32,40,A4,413C [0476]
199 DATA 995C,DD,7E,02,D6,02,5F,DD,7E,7C88 [573C]
200 DATA 9964,01,C6,02,CD,8B,9C,FE,01,3A45 [73AC]
201 DATA 996C,CA,7B,99,FE,03,CA,7B,99,645F [3E2A]
202 DATA 9974,21,3F,A4,CB,C6,23,34,DD,0179 [1F96]
203 DATA 997C,7E,02,C6,06,5F,DD,7E,01,2651 [EEA4]
204 DATA 9984,C6,02,CD,8B,9C,FE,01,CA,7540 [7CE4]
205 DATA 998C,9A,99,FE,03,CA,9A,99,21,719B [F1F4]
206 DATA 9994,3F,A4,CB,CE,23,34,DD,7E,230C [8100]
207 DATA 999C,02,C6,02,5F,DD,7E,01,D6,32F4 [7AC6]
208 DATA 99A4,02,CD,8B,9C,FE,01,CA,B9,2C39 [0A24]
209 DATA 99AC,99,FE,03,CA,B9,99,21,3F,7811 [ABEA]
210 DATA 99B4,A4,CB,D6,23,34,DD,7E,02,7A1A [0EE2]
211 DATA 99BC,C6,02,5F,DD,7E,01,C6,06,67CE [6700]
212 DATA 99C4,CD,8B,9C,FE,01,CA,D8,99,5A29 [8B40]
213 DATA 99CC,FE,03,CA,D8,99,21,3F,A4,6F96 [5F20]
214 DATA 99D4,CB,DE,23,34,3A,40,A4,FE,5446 [50D8]
215 DATA 99DC,01,C2,E7,99,3A,3F,A4,DD,25C9 [6610]
216 DATA 99E4,77,00,C9,FE,02,C2,F6,99,2F2D [8CE4]
217 DATA 99EC,3A,3F,A4,DD,A6,00,CA,43,0F77 [3514]
218 DATA 99F4,9A,C9,ED,5F,CB,57,CA,20,61A0 [FC2C]
219 DATA 99FC,9A,3A,1E,A4,DD,BE,01,DA,4EC8 [2D7E]
220 DATA 9A04,13,9A,3A,3F,A4,CB,5F,CA,2DC8 [D41A]
221 DATA 9A0C,43,9A,DD,36,00,08,C9,3A,1E48 [1EA8]
222 DATA 9A14,3F,A4,CB,57,CA,43,9A,DD,2C25 [C506]
223 DATA 9A1C,36,00,04,C9,3A,1F,A4,DD,1729 [A19E]
224 DATA 9A24,BE,02,DA,36,9A,3A,3F,A4,4342 [49BC]
225 DATA 9A2C,CB,4F,CA,43,9A,DD,36,00,6CF8 [3E34]
226 DATA 9A34,02,C9,3A,3F,A4,CB,47,CA,3188 [2DE6]
227 DATA 9A3C,43,9A,DD,36,00,01,C9,ED,1EB8 [6306]
228 DATA 9A44,5F,1F,E6,03,C2,58,9A,3A,32CE [0CE2]
229 DATA 9A4C,3F,A4,E6,01,CA,43,9A,DD,2CE5 [0034]
230 DATA 9A54,36,00,01,C9,FE,01,C2,6A,11AA [8B80]
231 DATA 9A5C,9A,3A,3F,A4,E6,02,CA,43,48CF [180E]
232 DATA 9A64,9A,DD,36,00,02,C9,FE,02,7E4A [8CD0]
233 DATA 9A6C,C2,7C,9A,3A,3F,A4,E6,04,6C40 [96F0]
234 DATA 9A74,CA,43,9A,DD,36,00,04,C9,6A21 [BDA8]
235 DATA 9A7C,3A,3F,A4,E6,08,CA,43,9A,0854 [03F2]
236 DATA 9A84,DD,36,00,08,C9,3A,22,A4,65C0 [0BBE]
237 DATA 9A8C,FE,02,CA,A2,9A,3E,02,32,68FE [AB1A]
238 DATA 9A94,22,A4,21,88,92,22,20,A4,305C [0F2E]
239 DATA 9A9C,11,1C,A2,CD,D3,9F,97,C9,1213 [F1E6]
240 DATA 9AA4,3A,27,A4,FE,08,CA,B2,9A,0D36 [0FFE]
241 DATA 9AAC,21,08,93,C3,B5,9A,21,48,0B1A [D298]
242 DATA 9AB4,93,22,27,A4,C9,3A,29,A4,49F6 [8FAA]
243 DATA 9ABC,FE,08,CA,C7,9A,21,88,93,4DE7 [A548]
244 DATA 9AC4,C3,CA,9A,21,C8,93,22,29,4631 [D498]
245 DATA 9ACC,A4,C9,3A,2B,A4,FE,08,CA,63B2 [2546]
246 DATA 9AD4,DC,9A,21,08,94,C3,DF,9A,4AAB [8A2A]
247 DATA 9ADC,21,48,94,22,2B,A4,C9,3A,1040 [E684]
248 DATA 9AE4,22,A4,B7,C2,FF,9A,3A,20,2704 [D0CE]
249 DATA 9AEC,A4,FE,88,CA,F8,9A,21,88,7542 [4430]
250 DATA 9AF4,91,C3,FB,9A,21,C8,91,22,6DAB [25E4]
251 DATA 9AFC,20,A4,C9,FE,01,C2,19,9B,2C69 [EFFC]
252 DATA 9B04,3A,20,A4,FE,08,CA,12,9B,0DB7 [0AD6]
253 DATA 9B0C,21,08,92,C3,15,9B,21,48,0E3E [856E]
254 DATA 9B14,92,22,20,A4,C9,3A,20,A4,4984 [0C4E]
255 DATA 9B1C,FE,88,CA,27,9B,21,88,92,43EE [B706]
256 DATA 9B24,C3,2A,9B,21,C8,92,22,20,7E1C [288E]
257 DATA 9B2C,A4,C9,CD,24,8B,32,1D,A4,7E2E [CB30]
258 DATA 9B34,C9,3A,1D,A4,CB,67,C4,47,65EB [E80E]
259 DATA 9B3C,9D,CB,47,CA,77,9B,3A,1F,79BF [A168]
260 DATA 9B44,A4,3D,5F,3A,1E,A4,C6,02,56EE [B0EE]
261 DATA 9B4C,CD,8B,9C,FE,03,CC,89,9A,5A80 [F456]
262 DATA 9B54,FE,02,8C,3A,1F,A4,5F,3A,67CC [C01C]
263 DATA 9B5C,1E,A4,01,08,96,CD,BA,9C,20CC [6E0A]
264 DATA 9B64,3A,1F,A4,3D,32,1F,A4,5F,0D6B [B5EC]
265 DATA 9B6C,3A,1E,A4,ED,4B,20,A4,CD,038D [6424]
266 DATA 9B74,BA,9C,C9,CB,4F,CA,B2,9B,6F3F [6A98]
267 DATA 9B7C,3A,1F,A4,C6,04,5F,3A,1E,0316 [72CC]
268 DATA 9B84,A4,C6,02,CD,8B,9C,FE,03,68C7 [BE20]
269 DATA 9B8C,CC,89,9A,FE,02,C8,3A,1F,5B8B [8A78]
270 DATA 9B94,A4,5F,3A,1E,A4,01,08,96,46C2 [EB9A]
271 DATA 9B9C,CD,BA,9C,3A,1F,A4,3C,32,5A02 [9120]

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Listing 3. Annähernd 3 KByte Code bilden die Maschinen-Routinen


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272 DATA 9BA4,1F,A4,5F,3A,1E,A4,ED,4B,2D31 [0620]
273 DATA 9BAC,20,A4,CD,BA,9C,C9,CB,57,2D05 [264C]
274 DATA 9BB4,CA,EC,9B,3A,1F,A4,C6,02,4D26 [362C]
275 DATA 9BBC,5F,3A,1E,A4,3D,CD,8B,9C,2BD6 [9880]
276 DATA 9BC4,FE,03,CC,89,9A,FE,02,CB,6934 [6628]
277 DATA 9BCC,3A,1F,A4,5F,3A,1E,A4,01,0B51 [D8F4]
278 DATA 9BD4,0B,96,CD,BA,9C,3A,1F,A4,3712 [DF08]
279 DATA 9BDC,5F,3A,1E,A4,3D,32,1E,A4,2938 [BA02]
280 DATA 9BE4,ED,4B,20,A4,CD,BA,9C,C9,6F71 [DE60]
281 DATA 9BEC,CB,5F,CB,3A,1F,A4,C6,02,6B06 [9930]
282 DATA 9BF4,5F,3A,1E,A4,C6,04,CD,8B,2FB1 [0B34]
283 DATA 9BFC,9C,FE,03,CC,89,9A,FE,02,7AFE [4BA4]
284 DATA 9C04,CB,3A,1F,A4,5F,3A,1E,A4,61A8 [37F2]
285 DATA 9C0C,01,0B,96,CD,BA,9C,3A,1F,1B5B [8A0E]
286 DATA 9C14,A4,5F,3A,1E,A4,3C,32,1E,46CA [C0EA]
287 DATA 9C1C,A4,ED,4B,20,A4,CD,BA,9C,65DC [0E74]
288 DATA 9C24,C9,21,11,A4,35,7E,FE,FF,65F3 [29FE]
289 DATA 9C2C,C2,3B,9C,36,09,23,35,7E,7FF0 [56DC]
290 DATA 9C34,FE,FF,C2,3B,9C,E1,C9,3A,5DFC [CB92]
291 DATA 9C3C,11,A4,CD,39,9D,3E,4D,1E,3F24 [FC00]
292 DATA 9C44,31,CD,2E,9D,3A,12,A4,CD,27CD [2512]
293 DATA 9C4C,39,9D,3E,49,1E,31,CD,2E,3910 [C5D4]
294 DATA 9C54,9D,C9,2A,13,A4,7D,FE,0B,7D90 [5702]
295 DATA 9C5C,CA,65,9C,21,0B,91,C3,6B,6E3A [55DA]
296 DATA 9C64,9C,21,4B,91,22,13,A4,06,4642 [912A]
297 DATA 9C6C,04,DD,21,15,A4,C5,DD,7E,37C0 [4D00]
298 DATA 9C74,00,B7,CA,83,9C,DD,5E,01,3B99 [A2FC]
299 DATA 9C7C,ED,4B,13,A4,CD,BA,9C,DD,6905 [E074]
300 DATA 9C84,23,DD,23,C1,10,E7,C9,CB,2CF5 [D5EA]
301 DATA 9C8C,43,CA,96,9C,CD,0B,9D,C3,0FB0 [4C5E]
302 DATA 9C94,9E,9C,1D,CD,0B,9D,01,00,655E [89DE]
303 DATA 9C9C,20,09,97,CB,7E,CA,A6,9C,0D18 [2108]
304 DATA 9CA4,F6,01,CB,5E,CA,AD,9C,F6,62EA [0A72]
305 DATA 9CAC,02,CB,6E,CA,B4,9C,F6,04,349B [8C1C]
306 DATA 9CB4,CB,4E,CB,6B,0B,C9,C5,CB,6245 [6530]
307 DATA 9CBC,43,CA,D5,9C,CD,0B,9D,D1,07CF [C278]
308 DATA 9CC4,E5,06,0B,CD,FA,9C,E1,01,7AB3 [EB14]
309 DATA 9CCC,50,00,09,06,0B,CD,FA,9C,2B5C [CAEC]
310 DATA 9CD4,C9,1D,CD,0B,9D,D1,E5,01,7CB7 [0530]
311 DATA 9CDE,00,20,09,06,04,CD,FA,9C,0B3C [49CA]
312 DATA 9CE4,E1,E5,01,50,00,09,06,0B,4CC0 [8B50]
313 DATA 9CEC,CD,FA,9C,E1,01,A0,00,09,4711 [FFD2]
314 DATA 9CF4,06,04,CD,FA,9C,C9,C5,06,124B [F1E2]
315 DATA 9CFC,04,1A,77,23,13,10,FA,01,097D [D77C]
316 DATA 9D04,FC,07,09,C1,10,F0,C9,06,7024 [5F68]
317 DATA 9D0C,0B,0E,28,16,00,1D,21,00,03D6 [6B28]
318 DATA 9D14,00,29,CB,21,D2,1C,9D,19,16F3 [3190]
319 DATA 9D1C,10,F7,5F,19,11,FF,8F,19,3DA3 [3904]
320 DATA 9D24,C9,CD,09,8B,FE,73,C2,25,5ACD [0738]
321 DATA 9D2C,9D,C9,C5,CD,0B,9D,D1,06,6B3B [BF26]
322 DATA 9D34,0B,CD,FA,9C,C9,47,04,21,26BD [70DE]
323 DATA 9D3C,A8,94,11,20,00,19,10,FD,7199 [CB54]
324 DATA 9D44,44,4D,C9,3A,22,A4,B7,C2,29EC [89DC]
325 DATA 9D4C,57,9D,3A,1D,A4,CB,A7,32,0D20 [CAE6]
326 DATA 9D54,1D,A4,C9,3A,1D,A4,CB,47,3EA9 [4F1A]
327 DATA 9D5C,CA,EF,9D,3A,1F,A4,D6,02,4D06 [D33A]
328 DATA 9D64,5F,3A,1E,A4,C6,02,CD,8B,2FA9 [EB24]
329 DATA 9D6C,9C,FE,01,CA,4E,9D,3A,1E,7D6E [7B78]
330 DATA 9D74,A4,32,41,A4,3A,1F,A4,D6,5CD2 [B6C0]
331 DATA 9D7C,04,32,42,A4,5F,3A,41,A4,0EB6 [8C9C]
332 DATA 9D84,01,8B,94,CD,BA,9C,CD,FC,3A16 [D32C]
333 DATA 9D8C,9F,11,26,A2,CD,D3,9F,3A,4100 [46D2]
334 DATA 9D94,42,A4,D6,02,5F,3A,41,A4,10D6 [118A]
335 DATA 9D9C,C6,02,CD,8B,9C,FE,01,CA,7540 [EB24]
336 DATA 9DA4,AB,9F,3E,04,32,43,A4,3A,742E [DFD2]
337 DATA 9DAC,42,A4,D6,06,5F,3A,41,A4,1096 [FEB0]
338 DATA 9DB4,C6,02,CD,8B,9C,FE,01,CA,7540 [6F1E]
339 DATA 9DBC,C3,9D,3E,0B,32,43,A4,3A,406E [F2DC]
340 DATA 9DC4,43,A4,47,C5,3A,42,A4,5F,0DFF [A9F4]
341 DATA 9DCC,3A,41,A4,01,0B,96,CD,BA,1AE8 [3500]
342 DATA 9DD4,9C,3A,42,A4,3D,32,42,A4,4380 [198A]
343 DATA 9DDC,5F,3A,41,A4,01,8B,94,CD,20AD [1CF2]
344 DATA 9DE4,BA,9C,CD,FC,9F,C1,10,0B,6B67 [558A]
345 DATA 9DEC,C3,AB,9F,CB,4F,CA,84,9E,54D6 [B69E]
346 DATA 9DF4,3A,1F,A4,C6,06,5F,3A,1E,0306 [9ECE]
347 DATA 9DFC,A4,C6,02,CD,8B,9C,FE,01,68C5 [2B52]
348 DATA 9E04,CA,4E,9D,3A,1E,A4,32,41,64C5 [8BDB]
349 DATA 9E0C,A4,3A,1F,A4,C6,04,32,42,5326 [0D88]
350 DATA 9E14,A4,5F,3A,41,A4,01,8B,94,4230 [594C]
351 DATA 9E1C,CD,BA,9C,CD,FC,9F,11,26,52C8 [9064]
352 DATA 9E24,A2,CD,D3,9F,3A,42,A4,C6,70B6 [67E2]
353 DATA 9E2C,06,5F,3A,41,A4,C6,02,CD,1161 [539C]
354 DATA 9E34,8B,9C,FE,01,CA,AB,9F,3E,7BAC [E974]
355 DATA 9E3C,04,32,43,A4,3A,42,A4,C6,0DF6 [EBA8]
356 DATA 9E44,0A,5F,3A,41,A4,C6,02,CD,1761 [99AA]
357 DATA 9E4C,8B,9C,FE,01,CA,5B,9E,3E,7B62 [4448]
358 DATA 9E54,0B,32,43,A4,3A,43,A4,47,0B73 [EESA]
359 DATA 9E5C,C5,3A,42,A4,5F,3A,41,A4,6C36 [E8DE]
360 DATA 9E64,01,0B,96,CD,BA,9C,3A,42,1B06 [2D80]
361 DATA 9E6C,A4,3C,32,42,A4,5F,3A,41,5B09 [CEAC]
362 DATA 9E74,A4,01,8B,94,CD,BA,9C,CD,4F75 [2820]
363 DATA 9E7C,FC,9F,C1,10,0B,C3,AB,9F,44FD [B98E]
364 DATA 9E84,CB,57,CA,19,9F,3A,1F,A4,6C1A [DA2C]
365 DATA 9E8C,C6,02,5F,3A,1E,A4,D6,02,6B0E [D3E2]
366 DATA 9E94,CD,8B,9C,FE,01,CA,4E,9D,5B01 [2D56]
367 DATA 9E9C,3A,1E,A4,D6,04,32,41,A4,03AE [11CA]
368 DATA 9EA4,3A,1F,A4,32,42,A4,5F,3A,0D64 [65CE]
369 DATA 9EAC,41,A4,01,8B,94,CD,BA,9C,075C [3F0E]
370 DATA 9EB4,CD,FC,9F,11,26,A2,CD,D3,4981 [4428]
371 DATA 9EBC,9F,3A,42,A4,C6,02,5F,3A,45BC [E114]
372 DATA 9EC4,41,A4,D6,02,CD,8B,9C,FE,16E2 [4326]
373 DATA 9ECC,01,CA,AB,9F,3E,04,32,43,2F57 [9FF4]
374 DATA 9ED4,A4,3A,42,A4,C6,02,5F,3A,5B3C [D0D6]
375 DATA 9EDC,41,A4,D6,06,CD,8B,9C,FE,16A2 [D14C]
376 DATA 9EE4,01,CA,ED,9E,3E,0B,32,43,27B7 [95EE]
377 DATA 9EEC,A4,3A,43,A4,47,C5,3A,42,5FBA [611A]
378 DATA 9EF4,A4,5F,3A,41,A4,01,0B,96,4332 [D184]
379 DATA 9EFC,CD,BA,9C,3A,42,A4,5F,3A,5B24 [C54E]
380 DATA 9F04,41,A4,3D,32,41,A4,01,8B,0D12 [4238]
381 DATA 9F0C,94,CD,BA,9C,CD,FC,9F,C1,63A7 [E096]
382 DATA 9F14,10,0B,C3,AB,9F,CB,5F,CA,2B80 [3C60]
383 DATA 9F1C,4E,9D,3A,1F,A4,C6,02,5F,0093 [93DE]
384 DATA 9F24,3A,1E,A4,C6,06,CD,8B,9C,00EE [521E]
385 DATA 9F2C,FE,01,CA,4E,9D,3A,1E,A4,667B [3E34]
386 DATA 9F34,C6,04,32,41,A4,3A,1F,A4,6502 [5C6C]
387 DATA 9F3C,32,42,A4,5F,3A,41,A4,01,196D [2596]
388 DATA 9F44,8B,94,CD,BA,9C,CD,FC,9F,75B3 [6B86]
389 DATA 9F4C,11,26,A2,CD,D3,9F,3A,42,1D42 [CEDE]
390 DATA 9F54,A4,C6,02,5F,3A,41,A4,C6,676A [74C0]
391 DATA 9F5C,06,CD,8B,9C,FE,01,CA,AB,2E2B [1676]
392 DATA 9F64,9F,3E,04,32,43,A4,3A,42,431E [2C80]
393 DATA 9F6C,A4,C6,02,5F,3A,41,A4,C6,676A [B4E6]
394 DATA 9F74,0A,CD,8B,9C,FE,01,CA,82,2B02 [CA08]
395 DATA 9F7C,9F,3E,0B,32,43,A4,3A,43,429F [E5C0]
396 DATA 9F84,A4,47,C5,3A,42,A4,5F,3A,5B84 [DEDA]
397 DATA 9F8C,41,A4,01,0B,96,CD,BA,9C,0F4C [3110]
398 DATA 9F94,3A,42,A4,5F,3A,41,A4,3C,1D50 [72BC]
399 DATA 9F9C,32,41,A4,01,8B,94,CD,BA,1AE0 [C4E8]
400 DATA 9FA4,9C,CD,FC,9F,C1,10,0B,3A,6CF4 [9176]
401 DATA 9FAC,42,A4,5F,3A,41,A4,01,0B,00D2 [9D82]
402 DATA 9FB4,96,CD,BA,9C,3A,22,A4,3D,66ED [133E]
403 DATA 9FBC,32,22,A4,CD,E3,9A,3A,1F,0CCB [FC36]
404 DATA 9FC4,A4,5F,3A,1E,A4,ED,4B,20,4542 [71E6]
405 DATA 9FCC,A4,CD,BA,9C,C3,4E,9D,21,79FB [498C]
406 DATA 9FD4,C0,AD,1A,77,13,2B,1A,77,4F07 [89D0]
407 DATA 9FDC,13,2B,1A,77,13,2B,1A,77,0707 [518A]
408 DATA 9FE4,13,2B,1A,77,13,2B,7E,77,07CF [C2C8]
409 DATA 9FEC,13,2B,1A,77,13,2B,1A,77,0707 [A190]
410 DATA 9FF4,13,2B,1A,77,CD,AA,BC,C9,0201 [F3F2]
411 DATA 9FFC,3A,41,A4,DD,21,15,A4,DD,14D9 [D804]
412 DATA A004,BE,00,CC,74,A0,DD,23,DD,472F [51E6]
413 DATA A00C,23,DD,BE,00,CC,74,A0,DD,372D [8900]
414 DATA A014,23,DD,23,DD,BE,00,CC,74,2B6C [64E8]
415 DATA A01C,A0,DD,23,DD,23,DD,BE,00,6DE0 [9A1C]
416 DATA A024,CC,74,A0,DD,21,2D,A4,DD,62F9 [98FE]
417 DATA A02C,BE,01,CC,92,A0,DD,23,DD,490F [7914]
418 DATA A034,23,DD,23,DD,BE,01,CC,92,2B8E [59FE]
419 DATA A03C,A0,DD,23,DD,23,DD,23,DD,6C07 [A916]
420 DATA A044,BE,01,CC,92,A0,DD,23,DD,490F [74EE]
421 DATA A04C,23,DD,23,DD,BE,01,CC,92,2B8E [BE12]
422 DATA A054,A0,DD,23,DD,23,DD,23,DD,6C07 [4AF0]
423 DATA A05C,BE,01,CC,92,A0,DD,23,DD,490F [7514]
424 DATA A064,23,DD,23,DD,BE,01,CC,92,2B8E [67FE]
425 DATA A06C,A0,CD,19,8D,CD,19,8D,C9,6C0F [DB6A]
426 DATA A074,3A,42,A4,DD,BE,01,CA,81,1031 [329E]
427 DATA A07C,A0,3A,41,A4,C9,06,0A,CD,5A69 [33D8]
428 DATA A084,33,A1,DD,36,00,00,21,44,2906 [130C]
429 DATA A08C,A4,3A,4D,A4,C9,3A,44,5A64 [5BA6]
430 DATA A094,A4,FE,04,C2,9E,A0,3A,41,6765 [10AB]
431 DATA A09C,A4,C9,3A,42,A4,DD,BE,02,640A [D1EE]
432 DATA A0A4,CA,AB,A0,3A,41,A4,C9,DD,59B7 [BB2C]
433 DATA A0AC,E5,E1,7D,FE,2D,C2,B9,A0,4932 [8328]
434 DATA A0B4,06,03,C3,C5,A0,FE,34,D2,11B2 [929C]
435 DATA A0BC,C3,A0,06,02,C3,C5,A0,06,4D2A [35AE]
436 DATA A0C4,01,CD,33,A1,DD,36,00,00,3980 [1E60]
437 DATA A0CC,ED,5F,1F,CB,47,CA,EB,A0,6E70 [2574]
438 DATA A0D4,3A,15,A4,B7,CA,CC,A0,DD,034D [A328]
439 DATA A0DC,77,01,3A,16,A4,DD,77,02,3B58 [E0AE]
440 DATA A0E4,3A,41,A4,C9,CB,4F,CA,01,13A1 [00D8]
441 DATA A0EC,A1,3A,17,A4,B7,CA,CC,A0,510B [BFFA]
442 DATA A0F4,DD,77,01,3A,18,A4,DD,77,735D [61DA]
443 DATA A0FC,02,3A,41,A4,C9,CB,57,CA,08E0 [D0F2]
444 DATA A104,1A,A1,3A,19,A4,B7,CA,CC,2534 [B1C0]
445 DATA A10C,A0,DD,77,01,3A,1A,A4,DD,699D [EBFE]
446 DATA A114,77,02,3A,41,A4,C9,CB,5F,3F9D [98D6]
447 DATA A11C,CA,CC,A0,3A,1B,A4,B7,CA,424C [D338]
448 DATA A124,CC,A0,DD,77,01,3A,1C,A4,52AC [98E8]
449 DATA A12C,DD,77,02,3A,41,A4,C9,21,718B [E9AA]
450 DATA A134,23,A4,34,7E,FE,0A,C2,5D,3FE1 [50DC]
451 DATA A13C,A1,36,00,23,34,7E,FE,0A,5E9E [B5BE]
452 DATA A144,C2,5D,A1,36,00,23,34,7E,619A [9A5A]
453 DATA A14C,FE,0A,C2,5D,A1,36,00,23,65E3 [C780]
454 DATA A154,34,7E,FE,0A,C2,5D,A1,36,1CF0 [04E0]
455 DATA A15C,00,10,D4,3A,26,A4,CD,39,1F23 [C08E]
456 DATA A164,9D,3E,0D,1E,31,CD,2E,9D,433D [07FA]
457 DATA A16C,3A,25,A4,CD,39,9D,3E,11,0FC1 [B7EA]
458 DATA A174,1E,31,CD,2E,9D,3A,24,A4,1CEC [6108]
459 DATA A17C,CD,39,9D,3E,15,1E,31,CD,78FF [093C]
460 DATA A184,2E,9D,3A,23,A4,CD,39,9D,33CB [DAF6]
461 DATA A18C,3E,19,1E,31,CD,2E,9D,C9,1EB3 [1E18]
462 DATA *ENDE* [41CC]
463 adr=&9664:zeile=104:MEMORY adr-1 [E93A]
464 READ d$:IF d$="*ENDE*"THEN 475 [22A6]
465 pr=0 [611C]
466 FOR i=1 TO 8 [DE72]
467 READ a$:a=VAL("&"+a$) [FD50]
468 POKE adr,a:adr=adr+1 [1E2C]
469 pr=pr*2:IF pr>65535 THEN pr=pr-65535 [A9AC]
470 pr=UNT(pr)XOR a:IF pr<0 THEN pr=pr+65535 [16B2]
471 NEXT i [2808]
472 READ pr$:pr2=VAL("&"+pr$):IF pr2<0 THEN [8794]
pr2=pr2+65536
473 IF pr<>pr2 THEN PRINT"Pruefsummenfehler [CC1C]
in Zeile";zeile:STOP [DF76]
474 zeile=zeile+1:GOTO 464 [6902]
475 SAVE"FIRE.BIN",B,&9664,&B30:END

```

Listing 3. Die Maschinenroutinen (Schluß)