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0  'BERZERK SRC
1  AC= 2::'ROBOT ACTIVITY
2  BS= 4::'ROBOT BULLET SPEED
3  TC= 150::'TIME TO CHASE
4  RS= 3::'ROBOT SPEED
5  TF= 30::'TIME TO FIRST ROBOT FIRE
6  SET57344,65535:WRT0:OPZ1,0:WRITE"00:BERZERK,P,W":BAS2049:PASS1
7  BYT11,8,0,0,158,50,48,54,49,0,0,0:JMP+START
8  '-----
9  '
10 +INITIALIZE LDA#0:STA+COUNTER:STA+MANCOUNT:STA+BOUNCE:STA+DEAD:STA+RCOUNT
11 LDA#3:STA+MANX:LDA#11:STA+MANY:LDA#0:STA+MANBX:LDA#4:STA+MANBY:LDX#0:LDA#0
12 +I1 STA+BDIR,X:INX:CPX#6:BNE+I1:LDA#TF:STA+FIRECOUNT:LDA#TC:STA+CHASE:LDA#4
13 STA+EXITDIR:+I2 LDA54299:AND#15:STA+NR:SEC:SBC#10:BCS+I2:INC+NR:LDA#0
14 STA+KILLED:STA+CHASEL:RTS
15 :
20 +NR BYT0:'NUMBER OF ROBOTS (1-40)
21 +KILLED BYT0
29 '-----
30 +START JSR+SETUPSOUND:JSR+COPYCHARDATA:JSR+COPYSPRITEDATA:LDA#0:STA+MODE
31 STA53269:LDX#0:+START1 STA+SCORE,X:INX:CPX#5:BNE+START1:JSR+INITIALIZE
32 JSR+CLEARSCREEN:JSR+RANDOMWALLS:JSR+RANDOMROBOTS:JSR+DRAWSCORE
33 JSR+COPYSCREEN:JSR+DRAWALL:JSR+SETUPSPRITES:LDX#0:JSR+COPYSPRITE:LDA#160
34 STA53248:LDA#0:STA53287:STA55296:JSR+SAMECOLOR:JSR+SHOWSCREEN:INC53269
35 JSR+SCREENCOLOR:LDA55296:STA53287:LDA#3:STA+LIVES:+START2 LDA56320:AND#16
36 BEQ+RESTART:JSR65508:CPH#"+":BNE+START2:JMP+RESTORE
37 :
40 +RESTART LDA#16:STA+FIRE:JSR+INITIALIZE:JSR+CLEARSCREEN:JSR+RANDOMWALLS
41 JSR+RANDOMROBOTS:JSR+DRAWSCORE:JSR+COPYSCREEN:JSR+DRAWALL:LDA#0:STA55296
42 STA53269:JSR+SAMECOLOR:JSR+SHOWSCREEN:JSR+FADEIN:JSR+SETUPSPRITES
43 JSR+DRAWMAN:LDA#255:STA53269:FORZ=1TO2:JSR+PAUSE:DEC53269:JSR+PAUSE:INC53269
44 NEXTZ:DEC+LIVES:LDA53278:LDA53279:JMP+LOOP
49 '-----
50 +LOOP LDA#0:STA162:JSR+DRAWSCORE:JSR+COPYSCREEN:JSR+DRAWALL:JSR+SHOWSCREEN
51 JSR+MANFIRE:JSR+ROBOTFIRE:LDA56320:STA2:AND#15:STA+JOY:LDA2:AND#16:STA+FIRE
52 JSR+DRAWMAN:JSR+DRAWOTTO:INC+COUNTER:FORZ=1TORS:JSR+MOVEALL:NEXTZ
53 +LOOP1 LDA162:SEC:SBC#5:BCC+LOOP1:JSR+SOUND:JSR+COLLISIONS:LDA+DEAD
54 BNE+LOOP2:LDA#0:STA+BEG:LDA#3:STA+END:FORZ=1TO2:JSR+MOVEBULLETS:NEXTZ:LDA#3
55 STA+BEG:LDA#6:STA+END:FORZ=1TOBS:JSR+MOVEBULLETS:NEXTZ:JSR+STARTCHASE
56 JSR+MOVEOTTO:JSR+MOVEMAN:JSR+EXIT:JSR65508:CPH#"+":BEQ+RESTORE:JMP+LOOP
57 +LOOP2 LDA#0:STA54276:STA54283:LDA#2:STA54273:LDA#1:STA54280:LDA#129
58 STA54276:STA54283:LDA#11:STA53287:JSR+PAUSE:JSR+PAUSE:JSR+PAUSE
59 DEC53269:JSR+PAUSE:JSR+PAUSE:LDA#0:STA54276:STA54283:LDA+LIVES:BEQ+LOOP3
60 JMP+RESTART:+LOOP3 LDX#64:JSR+COPYSPRITE:LDA#168:STA53248:LDA55296:STA53287
61 INC53269:LDA#0:STA162:+LOOP4 JSR65508:CPH#"+":BEQ+RESTORE:LDA162:SEC

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62  SBCH#250:BCC+LOOP4:LDA#0:STA53269:STA55296:JSR+SAMECOLOR:JMP+START
63  /-----
64  +RESTORE LDA#0:STA54296:STA53269:LDA#1:STA646:LDX#0:+RE1 STA55296,X
65  STA55552,X:STA55808,X:STA56040,X:INX:CPX#0:BNE+RE1:LDA#63:STA56578:LDA#151
66  STA56576:LDA#21:STA53272:LDA#200:STA53270:LDA#14:STA53280:LDA#6:STA53281:RTS
67  /-----
68  +PAUSE LDA#0:STA162:+PAUSE1 LDA162:SEC:SBCH#25:BCC+PAUSE1:RTS
69  /-----
70  +STARTCHASE LDA+CHASE:BEQ+SC1:INC+CHASEL:LDA+CHASEL:AND#1:BEQ+SC1:DEC+CHASE
71  LDA+CHASE:BNE+SC1:LDX+EXITDIR:LDA+0XD,X:STA+0X:LDA+0BXD,X:STA+0BX:LDA+0YD,X
72  STA+0Y:LDA+0BYD,X:STA+0BY:+SC1 RTS
73  :
74  +0XD BYT4,35,19,19,4:+0BXD BYT0,0,2,2,0
75  +0YD BYT11,11,1,21,11:+0BYD BYT4,4,4,4,4
76  :
77  +CHASE BYT0:+CHASEL BYT0
78  /-----
80  +SETUPSOUND LDA#0:LDX#0:+SETS STA54272,X:INX:CPX#24:BNE+SETS
81  LDA#255:STA54287:LDA#129:STA54290:LDA#15+128:STA54296:LDA#9:STA54277
82  LDA#11:STA54284:LDA#5:STA54275:RTS
83  /-----
89  +COPYSCREEN LDA#0:STA3:LDA#204:SEC:SBC+MODE:STA4:LDA#0:STA5
91  LDA#196:STA6:LDY#255:JSR+COSR:JSR+COSR:JSR+COSR:LDY#231:JSR+COSR:RTS
92  :
93  +COSR LDA(5),Y:STA(3),Y:DEY:CPY#255:BNE+COSR:INC4:INC6:RTS
94  /-----
99  +CLEARSCREEN LDA#0:STA3:LDA#196:STA4:LDA#0:LDY#255:JSR+CSR:JSR+CSR:JSR+CSR
100 LDY#231:JSR+CSR:JSR+DRAWBORDERS:RTS
101 :
102 :
110 +CSR STA(3),Y:DEY:CPY#255:BNE+CSR:INC4:RTS
111 /-----
120 +HBAR LDX2:LDA+UDATAL,X:STA3:LDA#196:CLC:ADC+UDATAH,X:STA4:LDY5:LDA7
121 +HB1 STA(3),Y:CPY6:BEQ+HB2:INY:JMP+HB1:+HB2 RTS
122 :
130 +UBAR LDX5:LDA+UDATAL,X:STA3:LDA#196:CLC:ADC+UDATAH,X:STA4:LDY2:+UB1 LDA7
131 STA(3),Y:CPY6:BEQ+UB2:INX:LDA3:CLC:ADCH#40:STA3:LDA4:ADCH#0:STA4:JMP+UB1
132 +UB2 RTS
133 :
140 +UDATAL BYT0,40,80,120,160,200,240,24,64,104,144,184,224,8,48,88,128,168
141 BYT208,248,32,72,112,152,192
142 +UDATAH BYT0,0,0,0,0,0,0,1,1,1,1,1,1,2,2,2,2,2,2,2,3,3,3,3,3
143 /-----
149 :
150 +DRAWBORDERS LDA#0:STA3:LDA#196:STA4
151 LDX#0:+DB1 LDA#2:LDY#0:STA(3),Y:INY:STA(3),Y:LDY#38:STA(3),Y:INY:STA(3),Y

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152 LDA3:CLC:ADCH#40:STA3:LDA4:ADCH#0:STA4:INX:CPX#25:BNE+DB1:RTS
159 /-----
160 +ROBOTFIRE LDA+FIRECOUNT:BEQ+RF0:DEC+FIRECOUNT:RTS:+RF0 LDX#3
161 +RF1 LDA+BDIR,X:BEQ+RF2:INX:CPX#6:BNE+RF1:RTS:+RF2 STX2:LDY#0
162 +RF3 LDA+DEST,Y:BNE+RF33:LDA+ROBY,Y:CMP+MANY:BEQ+RF4:SEC:SBC#1:CMP+MANY
163 BEQ+RF4:CLC:ADCH#2:CMP+MANY:BEQ+RF4:LDA+ROBX,Y:CMP+MANX:BEQ+RF7:SEC:SBC#1
164 CMP+MANX:BEQ+RF7:CLC:ADCH#2:CMP+MANX:BEQ+RF7:+RF33 INY:CPY+NR:BNE+RF3:RTS
165 :
166 +RF4 JSR+RFR:LDA+MANX:SEC:SBC+ROBX,Y:BNE+RF5:RTS:+RF5 BCS+RF6:LDA#1
167 JMP+RF10:+RF6 LDA#2:JMP+RF10
168 :
169 +RF7 JSR+RFR:LDA+MANY:SEC:SBC+ROBY,Y:BNE+RF8:RTS:+RF8 BCS+RF9:LDA#3
170 JMP+RF10:+RF9 LDA#4:JMP+RF10
171 :
172 +RF10 STA6:TAX:LDA3:CLC:ADC+RX,X:STA3:LDA4:ADCH#0:STA4:LDA5:CLC:ADC+RY,X
173 STA5:LDA+SHAPE,Y:AND#3:CLC:ADCH#1:CMP6:BEQ+RF10A:RTS:+RF10A LDX2:LDA6
174 STA+BDIR,X:TXA:CLC:ROL:TAY:LDA3:STA53250,Y:LDA53264:AND+BDATA1,X:STA53264
175 LDA4:BEQ+RF11:LDA53264:ORA+BDATA2,X:STA53264:+RF11 LDA5:STA53251,Y
176 LDA+BDIR,X:TAY:LDA+BDATA3,Y:STA51200+1017,X:STA52224+1017,X:LDA#16
177 STA+FIRECOUNT:LDA#7:STA54273:LDA#1:STA+SND1:RTS
178 :
180 +RFR LDA+ROBX,Y:CLC:ROL:ROL:ROL:ROL:STA3:LDA#0:ADCH#0:STA4:LDA3:CLC:ADCH#18:STA3
181 LDA4:ADCH#0:STA4:LDA+BITX,Y:CLC:ROL:ADC3:STA3:LDA4:ADCH#0:STA4:LDA+ROBY,Y:CLC
182 ROL:ROL:ROL:ADCH#48:ADC+BITY,Y:STA5:RTS
183 :
190 +BDIR BUF6,0:+BDATA1 BYT253,251,247,239,223,191:+BDATA2 BYT2,4,8,16,32,64
191 +BDATA3 BYT0,12,12,13,13:+FIRECOUNT BYT0
192 +RX BYT0,0,16,9,9
193 +RY BYT0,12,12,0,19
199 /-----
200 +RANDOMROBOTS JSR+COPYSCREEN
201 LDA+MANY:TAX:LDA+UDATAL,X:STA3:LDA#204:SEC:SBC+MODE:CLC:ADC+UDATAH,X:STA4
202 LDA3:CLC:ADC+MANX:STA3:LDA4:ADCH#0:STA4:LDA#2:LDY#0:STA(3),Y:INY:STA(3),Y
203 LDY#40:STA(3),Y:INY:STA(3),Y:LDY#80:STA(3),Y:INY:STA(3),Y
204 :
205 LDX#0:+RA1 LDA54299:AND#63:STA5:SEC:SBC#39
206 BCS+RA1:+RA2 LDA54299:AND#63:STA6:TAY:SEC:SBC#23:BCS+RA2:LDA+UDATAL,Y:STA3
207 LDA#204:SEC:SBC+MODE:CLC:ADC+UDATAH,Y:STA4:LDA3:CLC:ADC5:STA3:LDA4:ADCH#0
208 STA4:LDY#0:LDA(3),Y:BNE+RA1:INY:LDA(3),Y:BNE+RA1:LDY#40:LDA(3),Y:BNE+RA1
209 INY:LDA(3),Y:BNE+RA1:LDY#80:LDA(3),Y:BNE+RA1:INY:LDA(3),Y:BNE+RA1:LDA#1
210 LDY#0:STA(3),Y:INY:STA(3),Y:LDY#40:STA(3),Y:INY:STA(3),Y:LDY#80:STA(3),Y
211 INY:STA(3),Y:LDA5:STA+ROBX,X:LDA6:STA+ROBY,X:LDA54299:AND#3:STA+BITX,X
212 NOP:NOP:NOP:LDA54299:AND#7:STA+BITY,X:LDA#0:STA+SHAPE,X:STA+DEST,X
213 LDA54299:AND#63:ORA#8:STA+WAIT,X:INX:CPX+NR:BEQ+RA3:JMP+RA1:+RA3 RTS

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219 /-----
220 +MOVEBULLETS LDA+BEG:TAY:CLC:ROL:TAX:+MB1 LDA+BDIR,Y:CMPI#1:BNE+MB3
221 DEC53250,X:DEC53250,X:LDA53250,X:CMPI#254:BNE+MB2:LDA53264:AND+BDATA1,Y
222 STA53264:+MB2 LDA53264:AND+BDATA1,Y:BNE+MBEND:LDA53250,X:CMPI#24:BNE+MBEND
223 LDA#0:STA53251,X:STA+BDIR,Y:JMP+MBEND:+MB3 CMPI#2:BNE+MB5:INC53250,X
224 INC53250,X:LDA53250,X:CMPI#0:BNE+MB4:LDA53264:ORA+BDATA2,Y:STA53264
225 +MB4 LDA53264:AND+BDATA2,Y:BEQ+MBEND:LDA53250,X:CMPI#80:BNE+MBEND:LDA#0
226 STA53251,X:STA+BDIR,Y:JMP+MBEND:+MB5 CMPI#3:BNE+MB6:DEC53251,X:LDA53251,X
227 CMPI#42:BNE+MBEND:LDA#0:STA53251,X:STA+BDIR,Y:JMP+MBEND:+MB6 CMPI#4:BNE+MBEND
228 INC53251,X:LDA53251,X:CMPI#254:BNE+MBEND:LDA#0:STA53251,X:STA+BDIR,Y
229 +MBEND INX:INX:INY:CPY+END:BEQ+MBEND1:JMP+MB1:+MBEND1 RTS
230 :
231 +BEG BYT0:+END BYT0
232 /-----
233 +COLLISIONS LDA53278:STA+SCOL:AND#1:BNE+C00:LDA53279:STA+CCOL:AND#1
234 BEQ+C000:+C00 INC+DEAD:RTS
235 +C000 LDA#0:STA2:+C01 LDX2:LDA+BDIR,X:BNE+C011:JMP+C04:+C011 LDA+CCOL
236 AND+BDATA2,X:BNE+C0111:JMP+C04:+C0111 LDA2:CLC:ROL:TAX:LDA53250,X:STA3
237 LDA#0:STA4:LDA53251,X:SEC:SBCH#50:CLC:ROR:CLC:ROR:CLC:ROR:STA5:LDX2:LDA53264
238 AND+BDATA2,X:BEQ+C02:INC4:+C02 LDA3:SEC:SBCH#24:STA3:LDA4:SBCH#0:CLC:ROR:LDA3
239 ROR:CLC:ROR:CLC:ROR:TAY:LDX5:LDA+UDATAL,X:STA3:LDA#200:CLC:ADC+MODE:CLC
240 ADC+UDATAH,X:STA4:LDA(3),Y:BEQ+C04:TAX:LDA+LOOKUP,X:CMPI#255:BEQ+C03:TAX
241 LDA+DEST,X:BNE+C04:JSR+ROBOTDEAD:+C03 LDA2:CLC:ROL:TAX:LDA#0:STA53251,X
242 LDX2:STA+BDIR,X:+C04 INC2:LDA2:CMPI#6:BEQ+C05:JMP+C01:+C05 RTS
243 :
244 +LOOKUP BUF16,255:FORZ=0T039:BUF6,Z:NEXTZ
245 +SCOL BYT0:+CCOL BYT0:+DEAD BYT0
246 /-----
247 +ROBOTDEAD LDA#1:STA+DEST,X:LDA#12:STA+SHAPE,X:LDA#1:STA+SND2:FORZ=1T05
248 JSR+INCSCORE:NEXTZ:INC+KILLED:LDA+KILLED:CMPI#NR:BEQ+R1:RTS:+R1 LDA#14
249 STA50176+9:LDA#3:STA50176+10:STA50176+11:STA50176+12:+R2 JSR+INCSCORE
250 INC50176+11:LDA50176+11:CMPI#13:BNE+R3:LDA#3:STA50176+11:INC50176+10
251 +R3 DEC+KILLED:LDA+KILLED:BNE+R2:RTS
252 /-----
253 +MANFIRE LDA+MANCOUNT:BEQ+MF0:DEC+MANCOUNT:RTS:+MF0 LDA+FIRE:BEQ+MF1:RTS
254 +MF1 LDX#0:+MF2 LDA+BDIR,X:BEQ+MF3:INX:CPX#3:BNE+MF2:RTS:+MF3 STX2:LDA+MANX
255 CLC:ROL:ROL:ROL:STA3:LDA#0:ADCH#0:STA4:LDA3:CLC:ADCH#18:STA3:LDA4:ADCH#0:STA4
256 LDA+MANBX:CLC:ROL:ADC3:STA3:LDA4:ADCH#0:STA4:LDX+JOY:LDA+MANY:CLC:ROL:ROL
257 ROL:ADCH#45:ADC+MANBY:ADC+FY,X:STA5:LDA3:CLC:ADC+FX,X:STA3:LDA4:ADCH#0:STA4
258 LDA+JOYD,X:BNE+MF4:RTS:+MF4 LDX2:STA2:STA+BDIR,X:SEC:SBCH#1:STA51200+1016
259 STA52224+1016:LDY2:LDA+BDATA3,Y:STA51200+1017,X:STA52224+1017,X:TXA:CLC:ROL
260 TAY:LDA3:STA53250,Y:LDA5:STA53251,Y:LDA53264:AND+BDATA1,X:STA53264:LDA4
261 BEQ+MF5:LDA53264:ORA+BDATA2,X:STA53264:+MF5 LDA#10:STA+MANCOUNT:LDA#3
262 STA54273:LDA#1:STA+SND1:RTS

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..
+MANCOUNT BYT0:←JOYD BYT0,0,0,0,0,0,0,2,0,0,0,1,0,4,3,0
+FX BYT0,0,0,0,0,0,0,16,0,0,0,0,0,9,9,0
+FY BYT0,0,0,0,0,0,0,12,0,0,0,12,0,22,0,0
/-----
+SETUPSPRITES LDX#0:LDY#0:←SUS1 LDA#0:STA53249,Y:TYA:CLC:ROL:ROL:ROL:ROL
STA53248,Y:←LDA←SSS,X:STA51200+1016,X:STA52224+1016,X:INX:INX:INX:CPX#0
BNE←SUS1:←LDA#0:STA53264:←LDA#0:STA53271:←LDA#126:STA53275:←LDA#0:STA53276
LDA#0:STA53277:←LDA#1:STA53287:STA53288:STA53289:STA53290:RTS
..
+SSS BYT1,12,12,12,12,12,12,14
/-----
+MOVEOTTO LDA←CHASE:BEQ←MO0:RTS
+MO0 LDA#0:STA3:←LDA←MANX:SEC:SBC←OX:BNE←MO1:←LDA←MANBX:SEC:SBC←OBX:BEQ←MO2
+MO1 LDA#1:ADCH#0:STA3:←MO2 LDA#0:STA4:←LDA←MANY:SEC:SBC←OY:BNE←MO3:←LDA←MANBY
SEC:SBC←OBY:BEQ←MO4:←MO3 LDA#3:ADCH#0:STA4:←MO4 LDA3:BEQ←MO6:CMP#2:BEQ←MO5
JSR←MOL:JMP←MO6:←MO5 JSR←MOR:←MO6 LDA4:BEQ←MO8:CMP#4:BEQ←MO7:JSR←MOU
JMP←MO8:←MO7 JSR←MOD:←MO8 INC←BOUNCE:RTS
..
+MOL DEC←OBX:←LDA←OBX:CMP#255:BNE←MOL1:←LDA#3:STA←OBX:DEC←OX:←MOL1 RTS
..
+MOR INC←OBX:←LDA←OBX:CMP#4:BNE←MOR1:←LDA#0:STA←OBX:INC←OX:←MOR1 RTS
..
+MOU DEC←OBY:←LDA←OBY:CMP#255:BNE←MOU1:←LDA#7:STA←OBY:DEC←OY:←MOU1 RTS
..
+MOD INC←OBY:←LDA←OBY:CMP#8:BNE←MOD1:←LDA#0:STA←OBY:INC←OY:←MOD1 RTS
..
+OX BYT0:←OY BYT0:←OBX BYT0:←OBY BYT0:←BOUNCE BYT0
/-----
+DRAWOTTO LDA←CHASE:BEQ←DO0:RTS:←DO0 LDA←OBX:CLC:ROL:ADCH#20:STA2:←LDA←OX:CLC
ROL:ROL:ROL:STA3:←LDA#0:ADCH#0:STA4:←LDA3:CLC:ADC2:STA53262:←LDA53264:AND#127
STA53264:←LDA4:ADCH#0:BEQ←DOT1:←LDA53264:ORA#128:STA53264:←DOT1 LDA←BOUNCE
AND#31:TAX:←LDA←OY:CLC:ROL:ROL:ROL:ADC←OBY:ADC←BOUNCED,X:STA53263:RTS
..
+BOUNCED BYT50,46,42,38,34,30,28,26,24,22,21,20,19,18,17,17
BYT17,17,17,18,19,20,21,22,24,26,28,30,34,38,42,46
/-----
+DRAWMAN LDA←MANBX:CLC:ROL:ADCH#24:STA2:←LDA←MANX:CLC:ROL:ROL:ROL:STA3:←LDA#0
ADCH#0:STA4:←LDA3:CLC:ADC2:STA53248:←LDA53264:AND#254:STA53264:←LDA4:ADCH#0
BEQ←DM1:←LDA53264:ORA#1:STA53264:←DM1 LDA←MANY:CLC:ROL:ROL:ROL:ADC←MANBY
ADCH#50:STA53249:RTS
..
+MANX BYT0:←MANY BYT0:←MANBX BYT0:←MANBY BYT0
/-----

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400 +RANDOMWALLS LDX#0:LDA#0:←RW1 STA+WBUF,X:INX:CPX#20+18:BNE←RW1:LDX#0
401 +RW2 LDA+SIDES,X:TAY:LDA#1:STA+WBUF,Y:INX:CPX#12:BNE←RW2:LDX←EXITDIR
402 LDA←EXITPOS,X:←TAX:LDA#1:STA+WBUF,X
403 :
404 LDA54299:AND#3:CLC:ADC#1:TAY:←RW3 LDA54299:AND#15:STA2:SEC:SBC#12
405 BCS←RW3:LDX2:LDA←CONNECT2,X:TAX:LDA+WBUF,X:BNE←RW3:LDX2:LDA←CONNECT1,X:TAX
406 LDA+WBUF,X:BNE←RW3:LDA#1:STA+WBUF,X:DEY:CPY#0:BNE←RW3:JSR←DRAWINT
407 :
410 LDA#0:STA+WALL:←RW4 LDX+WALL:LDA+WBUF,X:BEQ←RW5:JSR+WALLR:←RW5 INC+WALL
411 LDA+WALL:CMP#20+18:BNE←RW4:RTS
412 :
420 +WALLR LDX+WALL:LDA+WALL2,X:STA2:LDA+WALL5,X:STA5:LDA+WALL6,X:STA6:LDA#1
421 STA7:LDA+WALL:SEC:SBC#20:BCS←WR1:JSR←HBAR:RTS:←WR1 JSR←UBAR:RTS
422 :
430 +WALL2 BUF5,0:BUF5,8:BUF5,16:BUF5,24:BUF3,2:BUF3,9:BUF3,16:BUF3,23:BUF3,30
431 BUF3,37:←WALL5 BUF20,2,9,16,23,30:BUF18,0,8,16:←WALL6 BUF20,9,16,23,30,37
432 BUF18,8,16,24
433 :
440 +WALL BYT0:←WBUF BUF20+18,0:←SIDES BYT0,1,3,4,15,16,18,19,20,22,35,37
441 +EXITPOS BYT21,36,2,17,0
442 +CONNECT1 BYT5,10,9,14,23,26,29,32,25,28,31,34
443 +CONNECT2 BYT23,25,32,34,5,26,29,9,10,28,31,14
444 :
450 +INT1 BYT6,7,8,11,12,13,24,27,30,33:←INT2 BYT0,6,12,18,24,30,36,42,48,54
451 +INT3 BYT5,7,23,24,26,27,6,8,26,27,29,30,7,9,29,30,32,33
452 BYT10,12,24,25,27,28,11,13,27,28,30,31,12,14,30,31,33,34
453 BYT23,25,5,6,10,11,26,28,6,11,7,12,29,31,7,12,8,13,32,34,8,13,9,14
454 :
460 +DRAWINT LDA#0:STA5:←DI1 INC5:LDA5:CMP#100:BNE←DI2:RTS:←DI2 LDA54299:AND#15
461 TAX:SEC:SBC#10:BCS←DI2:LDA←INT1,X:STA2:TAY:LDA+WBUF,Y:BNE←DI1:LDA←INT2,X
462 TAX:LDA#0:STA3:STA4:←DI3 LDA←INT3,X:TAY:LDA4:CLC:ADC←WBUF,Y:STA4:INX:INC3
463 LDA3:CMP#6:BNE←DI3:LDA4:SEC:SBC#2:BCS←DI1:LDX2:LDA#1:STA+WBUF,X:JMP←DI1
499 /-----/
500 +SHOWSCREEN LDA53266:SEC:SBC#40:BCS←SHOWSCREEN:LDA←MODE:BEQ←SS1:LDA#0
501 STA←MODE:LDA#8+32:STA53272:JMP←SS2:←SS1 LDA#4:STA←MODE:LDA#10+48:STA53272
502 +SS2 LDA#63:STA56578:LDA#196:STA56576:LDA#27:STA53265:LDA#8:STA53270:LDA#0
503 STA53280:STA53281:RTS
504 :
510 +MODE BYT0
519 /-----/
520 +DRAWALL LDA#0:STA←ROBOT:←DA1 JSR←DRAWROBOT:INC←ROBOT
521 LDA←ROBOT:CMP←NR:BNE←DA1:RTS
529 /-----/
530 +MOVEALL LDA#0:STA←ROBOT:←MA1 JSR←MOVEROBOT:INC←ROBOT

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331 LDA+ROBOT: CMP+NR: BNE+MA1: INC+RCOUNT: RTS
332 /-----
333
340 +DRAWSCORE LDX#0: +DS1 LDA+SCORE, X: CLC: ADCH#3: STA50176+3, X: INX: CPX#5: BNE+DS1
341 LDA#1: STA50176+34: STA50176+35: STA50176+36: LDY#34: LDX+LIVES: TXA: BEQ+DS3: SEC
342 SBC#4: BCC+DS2: LDX#3: +DS2 LDA#13: STA50176, Y: INY: DEX: CPX#0: BNE+DS2: +DS3 RTS
343 :
344 +LIVES BYT0
345 /-----
346
350 +FADEIN JSR+DEFINECOLOR: LDA#0: STA3: STA5: LDA#196: STA4: LDA#216: STA6: LDX#0
351 +FI1 LDY#0: +FI2 LDA(3), Y: BEQ+FI3: LDA7: BNE+FI4: +FI3 LDA8: +FI4 STA(5), Y: INY
352 CPY#40: BNE+FI2: LDA3: CLC: ADCH#40: STA3: LDA4: ADCH#0: STA4: LDA5: CLC: ADCH#40: STA5
353 LDA6: ADCH#0: STA6: LDA#0: STA162: +FI5 LDA162: SEC: SBC#4: BCC+FI5: INX: CPX#25
354 BNE+FI1: RTS
355 :
356 +DEFINECOLOR LDA54299: AND#7: BEQ+DEFINECOLOR: STA7: +DC1 LDA54299: AND#7
357 BEQ+DC1: CMP7: BEQ+DC1: STA8: STA53291: STA53292: STA53293: +DC2 LDA54299: AND#7
358 BEQ+DC2: CMP7: BEQ+DC2: CMP8: BEQ+DC2: STA53294: RTS
359 /-----
360
361 +INCSCORE INC+SCORE+3: LDA+SCORE+3: CMP#10: BNE+IC1: LDA#0: STA+SCORE+3
362 INC+SCORE+2: LDA+SCORE+2: CMP#10: BNE+IC1: LDA#0: STA+SCORE+2
363 INC+SCORE+1: LDA+SCORE+1: CMP#10: BNE+IC1: LDA#0: STA+SCORE+1
364 INC+SCORE+0: LDA+SCORE+0: CMP#10: BNE+IC1: LDA#0: STA+SCORE+0
365 +IC1 RTS
366 :
367 +SCORE BUF5, 0
368 /-----
369
370 +SCREENCOLOR JSR+DEFINECOLOR: LDA#0: STA3: STA5: LDA#196: STA4: LDA#216: STA6
371 LDX#0: +S1 LDY#0: +S2 LDA(3), Y: BEQ+S3: LDA7: BNE+S4: +S3 LDA8: +S4 STA(5), Y: INY
372 CPY#40: BNE+S2: LDA3: CLC: ADCH#40: STA3: LDA4: ADCH#0: STA4: LDA5: CLC: ADCH#40: STA5
373 LDA6: ADCH#0: STA6: INX: CPX#25: BNE+S1: RTS
374 /-----
375
380 +SAMECOLOR LDA55296: LDX#0: +SAC STA55296, X: STA55552, X: STA55808, X: STA56040, X
381 INX: CPX#0: BNE+SAC: RTS
382 /-----
383
390 +COPYSPRITE LDY#0: +COS1 LDA+SPRITED, X: STA49152+15*64, Y: INX: INY: CPY#64
391 BNE+COS1: LDA#15: STA51200+1016: STA52224+1016: LDA#1: STA53277: LDA#144: STA53249
392 LDA53264: AND#254: STA53264: RTS
393 :
394 +SPRITED BYT255, 252, 0, 0, 4, 0, 192, 12, 5, 173, 203, 117, 169, 74, 85, 205, 155, 102, 169
395 BYT82, 85, 173, 83, 85, 192, 48, 5, 0, 32, 0, 0, 63, 255: BUF31, 0
396 :
397 BYT238, 174, 0, 138, 232, 0, 174, 236, 0, 170, 168, 0, 234, 174, 0, 0, 0, 0, 234, 238, 0, 170
398 BYT138, 0, 170, 204, 0, 170, 138, 0, 228, 234, 0: BUF31, 0
399 /-----

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600 +DRAWROBOT LDX+ROBOT:LDA+DEST,X:BEQ+DR02:CMPI#7:BNE+DR01:RTS:+DR01 AND#1
601 CLC:ADCH#12:STA+SHAPE,X:INC+DEST,X:+DR02 LDY+ROBOT:LDA+BITY,Y:STA2
602 LDA+CHARD,Y:STA+CHAR:LDA+PICLD,Y:STA+PICL:LDA+PICH,Y:STA+PICH:LDA+ROBY,Y
603 TAX:LDA+UDATAL,X:STA3:LDA#204:SEC:SBC+MODE:CLC:ADC+UDATAH,X:STA4
604 LDA+ROBX,Y:TAY:LDX+CHAR:JSR+DRR:JSR+DRR:LDA2:BEQ+DR0:TXA:STA(3),Y
605 +DR0 LDY+ROBOT:LDA+BITX,Y:BEQ+DR00:LDA+ROBX,Y:TAY:INY:INX
606 JSR+DRR:JSR+DRR:LDA2:BEQ+DR00:TXA:STA(3),Y
607 :
608 +DR00 LDX+ROBOT:LDA+SHAPE,X:CLC:ROL::ROL:ROL:ROL:TAX:LDY#0
609 +DR0A LDA+SHAPE,X:STA+BUFFER,Y:INX:INY:CPY#16:BNE+DR0A:LDA#0
610 +DR0B STA+BUFFER,Y:INY:CPY#32:BNE+DR0B:JSR+SHIFT
611 :
612 +DR1 LDA+PICL:STA3:LDA+PICH:STA4:LDA+MODE:BNE+DR2:LDA4:CLC:ADCH#8:STA4
613 +DR2 LDA#0:LDY#0:+DR3 STA(3),Y:INY:CPY#6*8:BNE+DR3:LDX+ROBOT:LDA3:CLC
614 ADC+BITY,X:STA3:LDA4:ADCH#0:STA4:LDX#0:JSR+COPY:LDA3:CLC:ADCH#3*8:STA3:LDA4
615 ADCH#0:STA4:JSR+COPY:RTS
616 :
617 +COPY LDY#0:+COPY1 LDA+BUFFER,X:STA(3),Y:INX:INY:CPY#16:BNE+COPY1:RTS
618 :
620 +DRR TXA:STA(3),Y:TAY:CLC:ADCH#40:TAY:INX:RTS
621 :
622 +ERASE LDA#0:STA(3),Y:INY:STA(3),Y:TAY:CLC:ADCH#39:TAY:RTS
623 :
630 +ROBX BUF40,0:+ROBY BUF40,0:+CHAR BYT0:+BITX BUF40,0:+BITY BUF40,0
631 +PICL BYT0:+PICH BYT0:+BUFFER BUF32,0:+SHAPE BUF40,0:+ROBOT BYT0
632 :
633 +CHARD FORZ=16TO16+39*6STEP6:BYTZ:NEXTZ
634 :
635 A=57344+16*8:B=A+39*6*8:+PICLD FORZ=A+6STEP6*8:BYT(Z-INT(Z/256)*256):NEXTZ
636 +PICH BYT0:FORZ=A+6STEP6*8:BYT(INT(Z/256)):NEXTZ
637 :
640 +SHAPE
641 BYT0,0,0,60,94,159,255,255,189,189,189,60,60,36,36,108
642 BYT0,0,0,60,122,255,255,189,189,189,60,60,36,36,54
643 BYT0,0,0,60,126,255,255,189,189,189,60,60,36,36,102
644 BYT0,0,0,60,102,255,255,189,189,189,60,60,36,36,102
645 BYT0,0,0,60,94,159,255,189,189,189,60,60,36,36,108
646 BYT0,0,0,60,122,255,255,189,189,189,60,60,36,36,54
647 BYT0,0,0,60,126,255,255,189,189,189,60,60,36,38,96
648 BYT0,0,0,60,102,255,255,189,189,189,60,60,36,38,96
649 BYT0,0,0,60,94,159,255,189,189,189,60,60,24,24,56
650 BYT0,0,0,60,122,255,255,189,189,189,60,60,24,24,28
651 BYT0,0,0,60,126,255,255,189,189,189,60,60,36,100,6
652 BYT0,0,0,60,102,255,255,189,189,189,60,60,36,100,6

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6653 BYT0,0,0,48,6,192,24,3,48,0,12,0,48,0,0,6
6654 BYT0,0,0,12,96,3,0,192,12,0,48,0,12,0,0,96
6655 :
6656 +SHIFT LDX+ROBOT:LDA+BITX,X:BNE+SH1:RTS:+SH1 LDX#0:LDY#16:CMPh3:BEQ+SH4
6657 CMPh2:BEQ+SH3
6658 +SH2 JSR+SHR1:FORZ=1T02:JSR+SHR2:NEXTZ:JSR+SHR3:INX:INY:CPXH16:BNE+SH2:RTS
6659 +SH3 JSR+SHR1:FORZ=1T04:JSR+SHR2:NEXTZ:JSR+SHR3:INX:INY:CPXH16:BNE+SH3:RTS
6660 +SH4 JSR+SHR1:FORZ=1T06:JSR+SHR2:NEXTZ:JSR+SHR3:INX:INY:CPXH16:BNE+SH4:RTS
6661 +SHR1 LDA+BUFFER,X:STA3:LDA+BUFFER,Y:STA4:RTS
6662 +SHR2 LDA3:CLC:ROR:STA3:LDA4:ROR:STA4:RTS
6663 +SHR3 LDA3:STA+BUFFER,X:LDA4:STA+BUFFER,Y:RTS
6664 /-----/
6665 :
6666 +MOVEROBOT LDX+ROBOT:LDA+DEST,X:BEQ+MR:RTS:+MR LDA+RCOUNT:AND#1
6667 BNE+MRR:RTS:+MRR LDA+ROBY,X:TAY:LDA+UDATAL,Y:STA3:LDA#200:CLC:ADC+MODE:CLC
6668 ADC+UDATAH,Y:STA4:LDA3:CLC:ADC+ROBX,X:STA3:LDA4:ADCH0:STA4:LDA3:SEC:SBC#41
6669 STA3:LDA4:SBC#0:STA4:LDA+WAIT,X:BEQ+MR0:DEC+WAIT,X:RTS
6670 +MR0 JSR+DISTANCE:LDA+DX:CLC:ADC+DY:BEQ+STAND:JSR+OBSTACLE
6671 :
6672 LDA+TY:SEC:SBC+TX:BCS+MR1:LDA+TX:SEC:SBC+TY:+MR1 SEC:SBC#AC:BCC+STAND
6673 LDA+TY:SEC:SBC+TX:BCS+MRU:JMP+MRH
6674 :
6675 +MRH LDA+DX:BEQ+STAND:JSR+PIC:LDA+DX:CMPh2:BEQ+MRH1:JMP+ROBOTLEFT
6676 +MRH1 JMP+ROBOTRIGHT
6677 :
6678 +MRU LDA+DY:BEQ+STAND:JSR+PIC:LDA+DY:CMPh4:BEQ+MRU1:JMP+ROBOTUP
6679 +MRU1 JMP+ROBOTDOWN
6680 :
6681 +STAND LDA+SHAPE,X:AND#3:STA+SHAPE,X:RTS
6682 :
6683 +PIC CLC:ADCH3:STA2:LDA+COUNTER:AND#2:BEQ+PIC1:LDA2:CLC:ADCH4:STA2
6684 +PIC1 LDA2:STA+SHAPE,X:RTS
6685 :
6686 +ROBOTLEFT LDA+BITX,X:BNE+RL0:LDY#40:LDA(3),Y:BNE+RL2:LDY#80:LDA(3),Y
6687 BNE+RL2:LDA+BITY,X:BEQ+RL0:LDY#120:LDA(3),Y:BNE+RL2:+RL0 DEC+BITX,X
6688 LDA+BITX,X:CMPh255:BNE+RL1:LDA#3:STA+BITX,X:DEC+ROBX,X:+RL1 RTS
6689 +RL2 JMP+STOP
6690 :
6691 +ROBOTRIGHT LDA+BITX,X:BNE+RR0:LDY#42:LDA(3),Y:BNE+RR2:LDY#82:LDA(3),Y
6692 BNE+RR2:LDA+BITY,X:BEQ+RR0:LDY#122:LDA(3),Y:BNE+RR2:+RR0 INC+BITX,X
6693 LDA+BITX,X:CMPh4:BNE+RR1:LDA#0:STA+BITX,X:INC+ROBX,X:+RR1 RTS
6694 +RR2 JMP+STOP
6695 :
6696 +ROBOTUP LDA+BITY,X:BNE+RU0:LDA+ROBY,X:CMPh0:BEQ+RU2:LDY#1:LDA(3),Y:BNE+RU2
6697 LDA+BITX,X:BEQ+RU0:LDY#2:LDA(3),Y:BNE+RU2:+RU0 DEC+BITY,X:LDA+BITY,X

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742 CMP#255:BNE+RU1:LDA#7:STA+BITY,X:DEC+ROBY,X:+RU1 RTS:+RU2 JMP+STOP
743 :
750 +ROBOTDOWN LDA+BITY,X:BNE+RD0:LDA+ROBY,X:CMPh#23:BEQ+RD2:LDY#121:LDA(3),Y
751 BNE+RD2:LDA+BITX,X:BEQ+RD0:LDY#122:LDA(3),Y:BNE+RD2:+RD0 INC+BITY,X
752 LDA+BITY,X:CMPh#8:BNE+RD1:LDA#0:STA+BITY,X:INC+ROBY,X:+RD1 RTS:+RD2 JMP+STOP
753 :
754 +DEST BUF40,0:+WAIT BUF40,0:+COUNTER BYT0
755 :
756 +STOP TAY:LDA+LOOKUP,Y:CMPh#255:BEQ+STOP1:JMP+STAND:+STOP1 JSR+ROBOTDEAD:RTS
757 :
760 +DISTANCE LDA#2:STA+DX:LDA+MANX:SEC:SBC+ROBX,X:BCS+DIS1:DEC+DX:LDA+ROBX,X
761 SEC:SBC+MANX:+DIS1 STA5:LDA#4:STA+DY:LDA+MANX:SEC:SBC+ROBY,X:BCS+DIS2
762 DEC+DY:LDA+ROBY,X:SEC:SBC+MANX:+DIS2 STA6:LDA5:BNE+DIS3:LDA#0:STA+DX
763 LDA+MANBX:SEC:SBC+BITX,X:BEQ+DIS3:LDA#1:ADCH0:STA+DX:+DIS3 LDA6:BNE+DIS4
764 LDA#0:STA+DY:LDA+MANBY:SEC:SBC+BITY,X:BEQ+DIS4:LDA#3:ADCH0:STA+DY:+DIS4 RTS
765 :
766 +DX BYT0:+DY BYT0
767 :
770 +OBSTACLE LDY+DX:LDA+OBD1,Y:CLC:ADC3:STA7:LDA4:ADCH0:STA8:LDY#0:LDA#0
771 STA+TX:LDA+DX:BEQ+OB4:CMPh#2:BEQ+OB3:+OB2 LDA7:SEC:SBCH1:STA7:LDA8:SBCH0
772 STA8:INC+TX:LDA(7),Y:BEQ+OB2:BNE+OB4:+OB3 LDA7:CLC:ADCH1:STA7:LDA8:ADCH0
773 STA8:INC+TX:LDA(7),Y:BEQ+OB3
774 +OB4 LDY+DY:LDA+OBD2,Y:CLC:ADC3:STA7:LDA4:ADCH0:STA8:LDA#0:STA+TY:LDA+DY
775 BEQ+OB7:CMPh#4:BEQ+OB6:+OB5 LDA7:SEC:SBCH40:STA7:LDA8:SBCH0:STA8:INC+TY
776 LDA(7),Y:BEQ+OB5:BNE+OB7:+OB6 LDA7:CLC:ADCH40:STA7:LDA8:ADCH0:STA8:INC+TY
777 LDA(7),Y:BEQ+OB6:+OB7 RTS
778 :
780 +OBD1 BYT0,41,42,0,0:+OBD2 BYT0,0,0,41,121:+TX BYT0:+TY BYT0:+RCOUNT BYT0
781 /-----/
799 :
800 +MOVEMAN LDA+FIRE:BEQ+MM2:LDX+JOY:CPX#15:BEQ+MM2:LDA+MANS,X:STA2
801 LDA+COUNTER:AND#2:BEQ+MM0:LDA2:CLC:ADCH4:STA2:+MM0 LDA2:STA51200+1016
802 STA5224+1016:JSR+MMR:LDA+COUNTER:AND#2:BEQ+MM1:JSR+MMR:+MM1 RTS
803 +MM2 LDA51200+1016:AND#3:STA51200+1016:STA5224+1016:RTS
804 :
805 +MMR LDA+JOYX,X:BEQ+MMR2:CMPh#2:BEQ+MMR1:JSR+LEFT:JMP+MMR2:+MMR1 JSR+RIGHT
806 +MMR2 LDA+JOYY,X:BEQ+MMR4:CMPh#2:BEQ+MMR3:JSR+UP:JMP+MMR4:+MMR3 JSR+DOWN
807 +MMR4 RTS
808 :
810 +MANS BYT0,0,0,0,0,5,5,5,0,4,4,4,0,7,6,0
811 +JOYX BYT0,0,0,0,0,2,2,2,0,1,1,1,0,0,0,0
812 +JOYY BYT0,0,0,0,0,2,1,0,0,2,1,0,0,2,1,0:+JOY BYT0:+FIRE BYT0
813 :
820 +LEFT DEC+MANBX:LDA+MANBX:CMPh#255:BNE+LE1:LDA#3:STA+MANBX:DEC+MANX:+LE1 RTS
821 :

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830  +RIGHT INC+MANBX:LDA+MANBX:CMPI#4:BNE+RI1:LDA#0:STA+MANBX:INC+MANX:+RI1 RTS
831  :
840  +UP DEC+MANBY:LDA+MANBY:CMPI#255:BNE+UP1:LDA#7:STA+MANBY:DEC+MANY:+UP1 RTS
841  :
850  +DOWN INC+MANBY:LDA+MANBY:CMPI#8:BNE+DO1:LDA#0:STA+MANBY:INC+MANY:+DO1 RTS
859  /-----
860  +SOUND
861  +SOUND1 LDA+SND1:BEQ+SOUND2:CMPI#1:BEQ+SOUND1A:CMPI#50:BEQ+SOUND1B:INC+SND1
862  JMP+SOUND2:+SOUND1A LDA#0:STA54276:LDA#129:STA54276:INC+SND1:JMP+SOUND2
863  +SOUND1B LDA#0:STA54276:STA+SND1
864  :
865  +SOUND2 LDA+SND2:BEQ+SOUND3:CMPI#1:BEQ+SOUND2A:CMPI#50:BEQ+SOUND2B:INC+SND2
866  JMP+SOUND3:+SOUND2A LDA#0:STA54283:LDA#2:STA54283:LDA#129:STA54283:INC+SND2
867  JMP+SOUND3:+SOUND2B LDA#0:STA54283:STA+SND2:+SOUND3 RTS
868  :
870  +SND1 BYT0:+SND2 BYT0
899  /-----
900  +EXIT LDA+FIRE:BNE+EX:RTS:+EX LDA+MANX:STA+TEMPX:LDA+MANY:STA+TEMPY
901  LDA+MANX:CMPI#0:BNE+EX1:LDA#0:STA+MANBX:LDA#36:STA+TEMPX:LDA#1:JMP+EX5
902  +EX1 CMPI#39:BNE+EX2:LDA#0:STA+MANBX:LDA#3:STA+TEMPX:LDA#0:JMP+EX5
903  +EX2 LDA+MANY:CMPI#255:BNE+EX3:LDA#0:STA+MANBY:LDA#22:STA+TEMPY:LDA#3
904  JMP+EX5:+EX3 CMPI#23:BNE+EX4:LDA#0:STA+MANBY:LDA#1:STA+TEMPY:LDA#2:JMP+EX5
905  +EX4 RTS
906  +EX5 STA+EXITDIR:LDX#0:LDY#0:LDA#0
907  +EX6 STA53251,X:STA+BDIR,Y:INX:INX:INX:CPY#6:BNE+EX6:LDA#0:STA53263
908  STA+BOUNCE:STA+MANCOUNT:STA+KILLED:STA+CHASEL:LDA#TC:STA+CHASE:LDA#TF
909  STA+FIRECOUNT:LDA#16:STA+FIRE:LDA51200+1016:AND#3:STA51200+1016
910  STA52224+1016:LDA#11:STA55296:STA53287:JSR+SAMECOLOR:JSR+EXITSCROLL
911  LDA+TEMPX:STA+MANX:LDA+TEMPY:STA+MANY:LDA#0:STA53287:JSR+CLEARSCREEN
912  JSR+DRAWMAN:JSR+RANDOMWALLS:+EX7 LDA54299:AND#15:STA+NR:SEC
913  SBC#10:BCS+EX7:INC+NR:JSR+RANDOMROBOTS:JSR+DRAWSCORE:JSR+COPYSCREEN
914  JSR+DRAWALL:JSR+SCREENCOLOR:JSR+SHOWSCREEN:LDA#1:STA53287:LDA53278:LDA53279
915  RTS
916  :
917  +EXITDIR BYT0:+TEMPX BYT0:+TEMPY BYT0
918  :
920  +STAMP LDA#0:STA3:LDA#196:STA4:LDA#0:STA5:LDA#200:CLC:ADC+MODE:STA6
921  LDY#255:JSR+COSR:JSR+COSR:JSR+COSR:LDY#231:JSR+COSR:RTS
922  :
930  +SCROLLUP LDA#40:STA3:LDA#196:STA4:LDA#0:STA5:LDA#196:STA6:LDX#0:+SU1 LDY#0
931  +SU2 LDA(3),Y:STA(5),Y:INX:CPY#40:BNE+SU2:LDA3:CLC:ADCH#40:STA3:LDA4:ADCH#0
932  STA4:LDA5:CLC:ADCH#40:STA5:LDA6:ADCH#0:STA6:INX:CPX#24:BNE+SU1:LDX#0:LDA#0
933  +SU3 STA50176+960,X:INX:CPX#40:BNE+SU3:RTS
934  :

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9940 +SCROLLEDOWN LDA#192-40:STA3:LDA#196+3:STA4:LDA#192:STA5:LDA#196+3:STA6
9941 LDX#0:+SD1 LDY#0:+SD2 LDA(3),Y:STA(5),Y:INY:CPY#40:BNE+SD2:LDA3:SEC:SBC#40
9942 STA3:LDA4:SBC#0:STA4:LDA5:SEC:SBC#40:STA5:LDA6:SBC#0:STA6:INX:CPX#24
9943 BNE+SD1:LDX#0:LDA#0:+SD3 STA50176,X:INX:CPX#40:BNE+SD3:RTS
9944 :
9950 +SCROLLLEFT LDY#2:+SL1 LDA#0:STA3:LDA#196:STA4:LDX#0:+SL2 INY:LDA(3),Y:DEY
9951 STA(3),Y:LDA3:CLC:ADCH#40:STA3:LDA4:ADCH#0:STA4:INX:CPX#25:BNE+SL2:INY:CPY#38
9952 BNE+SL1:RTS
9953 :
9960 +SCROLLRIGHT LDY#37:+SR1 LDA#0:STA3:LDA#196:STA4:LDX#0:+SR2 DEY:LDA(3),Y
9961 INY:STA(3),Y:LDA3:CLC:ADCH#40:STA3:LDA4:ADCH#0:STA4:INX:CPX#25:BNE+SR2:DEY
9962 CPY#1:BNE+SR1:RTS
9963 :
9970 +EXITSCROLL LDA#3:STA+TIME:LDA+EXITDIR:CMPI#2:BEQ+EXITDOWN:CMPI#3:BEQ+EXITUP
9971 CMPI#0:BEQ+EXITRIGHT:JMP+EXITLEFT
9972 :
9973 +EXITDOWN INC+TIME:INC+TIME:JSR+STAMP:LDA#0:STA+NUM:+EXD1 LDA#0:STA162
9974 JSR+SCROLLUP:DEC+MANY:JSR+SCROLLR:CMPI#25:BNE+EXD1:RTS
9975 :
9976 +EXITUP INC+TIME:INC+TIME:JSR+STAMP:LDA#0:STA+NUM:+EXU1 LDA#0:STA162
9977 JSR+SCROLLEDOWN:INC+MANY:JSR+SCROLLR:CMPI#25:BNE+EXU1:RTS
9978 :
9979 +EXITRIGHT DEC+MANX:JSR+STAMP:LDA#0:STA+NUM:+EXR1 LDA#0:STA162
9980 JSR+SCROLLLEFT:DEC+MANX:JSR+SCROLLR:CMPI#36:BNE+EXR1:RTS
9981 :
9982 +EXITLEFT INC+MANX:JSR+STAMP:LDA#0:STA+NUM:+EXL1 LDA#0:STA162
9983 JSR+SCROLLRIGHT:INC+MANX:JSR+SCROLLR:CMPI#36:BNE+EXL1:RTS
9984 :
9985 +SCROLLR JSR+COPYSCREEN:JSR+FLIP:JSR+DRAWMAN:+SCR LDA162:SEC:SBC+TIME
9986 BCC+SCR:INC+NUM:LDA+NUM:RTS
9987 :
9988 +NUM BYT0:+TIME BYT0
9989 :
9990 +FLIP LDA53266:SEC:SBC#40:BCS+FLIP:LDA+MODE:BEQ+FL1:LDA#0:STA+MODE
9991 LDA53272:AND#15:ORA#32:STA53272:RTS:+FL1 LDA#4:STA+MODE:LDA53272:AND#15
9992 ORA#48:STA53272:RTS
9993 /-----/
9998 GOSUB2000:GOSUB3000:PASS2:END
9999 -----
1000 SAVE"C0:BERZERK SRC",8:END
1999 -----
2000 +COPYCHARDATA LDX#0:+CCD LDA+CHARDATA,X:STA57344,X:STA57344+2048,X:INX
2001 CPX#128:BNE+CCD:RTS:+CHARDATA
2002 :

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[illegible]