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0  'HAUNT HOUSE SRC
1  W=19:'SCREEN WIDTH (5-19)
2  SET40960,49151:WRT1:OPZ1,0:WRITE"C0:HAUNT HOUSE,P,W":BAS2049:PASS1
3  BYT11,8,0,0,158,50,48,54,49,0,0,0
9  /-----
10 +START LDA53266:SEC:SBC#40:BCS+START:LDA#11:STA53265:LDA#0:STA53280:STA53281
11 LDA#13:STA53282:LDA#1:STA+LEVEL:JSR+INTOFF:JSR+SETUPSOUND:JSR+COPYCHARDATA
12 JSR+COPYSPRITEDATA:JSR+SETUPSPRITES
13 LDX#0:+ST1 LDA#2:STA51200,X:STA51456,X:STA51712,X:STA51944,X:LDA#2
14 STA52224,X:STA52480,X:STA52736,X:STA52968,X:LDA#8:STA55296,X:STA55552,X
15 STA55808,X:STA56040,X:INX:CPX#0:BNE+ST1:A=55376+W*40:LDA#(A-INT(A/256))*256)
16 STA3:LDA#(INT(A/256)):STA4:LDX#0:+ST2 LDY#5:+ST3 LDA#13:STA(3),Y:INY:CPY#38
17 BNE+ST3:LDA3:CLC:ADC#40:STA3:LDA4:ADC#0:STA4:INX:CPX#4:BNE+ST2:LDA#27:LDX#0
18 +ST4 STA51280+W*40,X:STA52304+W*40,X:INX:CPX#38:BNE+ST4:LDA#36:STA2:LDA#0
19 STA3:+ST5 LDX#0:+ST6 TXA:CLC:ADC3:LAY:LDA2:STA51241+W*40,Y:STA52265+W*40,Y
20 LDA#15:STA55337+W*40,Y:INC2:INX:CPX#3:BNE+ST6:LDA3:CLC:ADC#40:STA3:CMP#120
21 BNE+ST5
22 :
23 LDA#6:STA+OX:LDA#W+3:STA+OY:LDA#45:STA+CHAR:JSR+DRAWNUMBER:LDA#9:STA+OX
24 JSR+DRAWNUMBER:LDA#16:STA+OX:JSR+DRAWNUMBER:LDA#24:STA+OX:JSR+DRAWNUMBER
25 LDA#32:STA+OX:JSR+DRAWNUMBER:LDA#35:STA+OX:JSR+DRAWNUMBER:LDA#0:STA+MODE
26 JSR+ROUTINE:JSR+INTON
27 :
30 +SELECT JSR+ROUTINE:JSR65508:CMP#" " :BEQ+SEL2:CMP#" " :BNE+SEL1:INC+LEVEL
31 LDA+LEVEL:CMP#17:BNE+SELECT:LDA#1:STA+LEVEL:JMP+SELECT:+SEL1 CMP#"+"
32 BNE+SELECT:JMP+END:+SEL2 LDA#2:STA+KNXL:LDA#13:STA+KNXH:LDA#3:STA+KNYL
33 LDA#1:STA+KNYH:JSR+POSITIONKNIGHT:LDA53278:JMP+LOOP
34 :
35 +ROUTINE JSR+INITIALIZE:JSR+DRAWMATCHES:JSR+DRAWLIVES:LDA+ROOM:STA+NUM
36 LDA#6*8*3:STA2:JSR+NUMBER:JSR+DRAWLEVEL:JSR+DRAWSCREEN:JSR+DRAWDOORS
37 JSR+SHOWSCREEN:LDA+FLOOR:STA+SCREEN:RTS
39 /-----
40 +CLEARMAP LDX#0:+CM1 LDA49920,X:CMP#33:BEQ+CM1A:CMP#43:BNE+CM2
41 +CM1A DEC49920,X:+CM2 LDA49920+256,X:CMP#33:BEQ+CM2A:CMP#43:BNE+CM3
42 +CM2A DEC49920+256,X:+CM3 LDA49920+27*23-256,X:CMP#33:BEQ+CM3A:CMP#43
43 BNE+CM4:+CM3A DEC49920+27*23-256,X:+CM4 INX:CPX#0:BNE+CM1:RTS
49 /-----
50 +LOOP JSR+ANIMATE:JSR+MOVEMONSTERS:JSR+LIGHT:JSR+DRAWSCREEN:JSR+DRAWSTAIRS
51 LDA#0:STA162:JSR+DRAWKEY:JSR+DRAWURN:JSR+DRAWDOORS:JSR+SHOWSCREEN
52 JSR+DRAWKNIGHT:JSR+DRAWMONSTERS:JSR+MOVEKNIGHT:JSR+SOUNDS:JSR+THUNDER
53 JSR+SCARED:LDA+KNY:CMP#1:BEQ+LOOP2:LDA+LIVES:BEQ+LOOP4:+LOOP1 LDA162:SEC
54 SBC#1:BCC+LOOP1:JSR65508:CMP#"+" :BNE+LOOP:+LOOP2 LDA#0:STA53269:STA54276
55 STA54283:JSR+SETUPSPRITES:LDX#0:LDA#0:+LOOP3 STA51245+W*40,X:STA52269+W*40,X
56 INX:CPX#34:BNE+LOOP3:JMP+SELECT:+LOOP4 JSR65508:CMP#"+" :BNE+LOOP4:JMP+LOOP2

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59 /-----
60 +END LDA#0:STA53269:STA54296:LDA#1:STA646:JSR+INTOFF:LDA#63:STA56578:LDA#151
61 STA56576:LDA#21:STA53272:LDA#27:STA53265:LDA#200:STA53270:LDA#14:STA53280
62 LDA#6:STA53281:LDA#1:LDX#0:+END1 STA55296,X:STA55552,X:STA55808,X:STA56040,X
63 INX:CPX#0:BNE+END1:RTS
69 /-----
70 +DRAWNUMBER LDA#0:STA3:LDA#200:STA4:LDY+0Y:LDA3:CLC:ADC+YOFFL,Y:STA3:LDA4
71 ADCH#0:CLC:ADC+YOFFH,Y:STA4:LDA3:CLC:ADC+0X:STA3:STA5:LDA4:ADCH#0:STA4:CLC
72 ADCH#4:STA6:LDY#0:+DN1 LDX#0:+DN2 LDA+CHAR:STA(3),Y:STA(5),Y:INC+CHAR:INY:INX
73 CPX#2:BNE+DN2:TYA:CLC:ADCH#38:TAY:CPY#120:BNE+DN1:RTS
79 /-----
80 +SETUPSOUND LDA#0:LDX#0:+SETS STA54272,X:INX:CPX#25:BNE+SETS:LDA#255
81 STA54287:LDA#129:STA54290:LDA#15+128+16:STA54296:LDA#128+2:STA54295
82 LDA#240:STA54285:LDA#9:STA54277:RTS
89 /-----
90 +INTOFF SEI:LDA#255:STA56333:LDA#0:STA53274:LDA#2:STA182:LDA+LINE:STA53266
91 LDA#49:STA788:LDA#234:STA789:CLI:RTS
92 :
100 +INTON SEI:LDA#127:STA56333:LDA#1:STA53274:LDA#2:STA182:LDA+LINE:STA53266
101 LDA#(IN-INT(IN/256)*256):STA788:LDA#(INT(IN/256)):STA789:CLI:RTS
102 :
103 +INTERRUPT LDA53273:STA53273:AND#1:BEQ+IN1:DEC182:LDA182:AND#1:BEQ+IN2
104 LDA#0:STA53283:STA53281:STA53289:STA53290:LDA#16:STA53270:LDA#16+8+4
105 STA53265:LDA#1:STA53266:+IN1 PLA:TAY:PLA:TAX:PLA:RTI:+IN2 LDA+HORI:STA53270
106 LDA+VERT:STA53265:LDA+WALLCOLOR:STA53283:LDA+SCREEN:STA53281:LDA#9:STA53289
107 LDA#1:STA53290:LDA+LINE:STA53266:JMP59953
108 +HORI BYT200:+VERT BYT27:+LINE BYT50+W*8-4:+SCREEN BYT0
109 /-----
110 +DRAWSCREEN LDA+ML:STA3:LDA+MH:STA4:LDA#0:STA5:LDA#204:SEC:SBC+MODE:STA6
111 LDA#0:STA7:STA8:LDX+PXL:LDA+PXH:STA9:LDA+PYL:STA10
112 :
113 +DSA1 LDY9:LDA(3),Y:LDY7:CPH#"X":BNE+DSB1:LDA#1:+DSA2 STA(5),Y:INY:CPY+WX
114 BEQ+ENDLINE:INX:CPX+SX:BNE+DSA2:BEQ+DSA3:+DSB1 LDA#0:+DSB2 STA(5),Y:INY
115 CPY+WX:BEQ+ENDLINE:INX:CPX+SX:BNE+DSB2:+DSA3 STY7:LDX#0:INC9:LDA9:CPY+NX
116 BNE+DSA1:LDA#0:+DSA4 STA(5),Y:INY:CPY+WX:BNE+DSA4:+ENDLINE LDA#0:STA7:INC8
117 LDA8:CPY+WY:BNE+EL1:RTS:+EL1 LDA5:CLC:ADCH#40:STA5:LDA6:ADCH#0:STA6:LDX+PXL
118 LDA+PXH:STA9:INC10:LDA10:CPY+SY:BNE+DSA1:LDA#0:STA10:LDA3:CLC:ADC+NX:STA3
119 LDA4:ADCH#0:STA4:JMP+DSA1
120 :
121 +PXL BYT0:+PXH BYT0:+PYL BYT0:+PYH BYT0:+PX BYT0:+PY BYT0
122 /-----
123 :
124 +DRAWLIVES LDA+MONFLAG:BNE+DLI1:LDA+LIVES:STA+NUM:LDA#6*8*2:STA2:JSR+NUMBER
125 RTS:+DLI1 LDA#255:LDX#0:+DLI2 STA57344+57*8,X:INX:CPX#8*6:BNE+DLI2:RTS
126 /-----

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150 +EYES LDX+JOY:LDA+EY,X:TAX:LDY#0:+EY1 LDA+EYD,X:STA49152,Y:STA49153,Y:INX
151 INY:INY:INY:CPY#9:BNE+EY1:RTS:+EY BYT0,0,0,0,0,12,6,9,0,18,24,21,0,15,3,0
152 :
153 +EYD BYT252,204,252, 204,252,252, 240,252,252, 252,240,252, 252,252,240
154 BYT252,252,204, 252,252,60, 252,60,252, 60,252,252
159 /-----/
160 +ANIMATE INC+ANIM:LDA+ANIM:CMPI#5:BEQ+AN1:RTS:+AN1 LDA#0:STA+ANIM:LDA+SHAPE
161 CMPI#1:BEQ+AN2:LDA#1:JMP+AN3:+AN2 LDA#2:+AN3 STA+SHAPE:CLC:ADCH2:STA+SHAPE+1
162 CLC:ADCH2:STA+SHAPE+2:RTS
163 :
164 +ANIM BYT0
169 /-----/
170 +NUMBER:A=57344+45*8:LDA#(A-INT(A/256)*256):STA3:LDA#(INT(A/256)):STA4
171 LDA3:CLC:ADC2:STA3:LDA4:ADCH0:STA4:LDX+NUM:LDA+NOFFS,X:TAX:LDY#0
172 +NU1 LDA+NDATA,X:ORA#85:INX:STA(3),Y:INY:STA(3),Y:INY:STA(3),Y:INY:STA(3),Y
173 INY:CPY#48:BNE+NU1:RTS
174 :
180 +NUM BYT0:+NOFFS BYT0,12,24,36,48,60,72,84,96,108
181 :
189 +NDATA BYT0,3,0,192,3,3,192,192,0,255,0,255
190 BYT240,0,63,63,240,3,40,240,63,63,0,255,0,255
191 BYT0,255,0,192,2,0,3,0,255,0,63,63,0,255
192 BYT0,255,0,192,2,0,240,255,0,192,2,0,255
193 BYT3,3,192,192,0,255,0,192,2,0,255,0,192,255
194 BYT0,3,0,255,0,255,0,192,0,255,0,255
195 BYT0,3,0,255,0,255,0,192,0,255,0,255
196 BYT0,255,0,192,2,0,3,0,255,0,192,2,0,255,192,255
197 BYT0,3,0,192,0,3,0,192,0,255,0,255
198 BYT0,3,0,192,0,255,0,192,0,255,0,255
199 /-----/
200 +INITIALIZE LDA#4:STA+SC:'SCROLL SIZE (4/8)
201 LDX+LEVEL:DEX:LDA+LEV DAT1,X:STA+FLOOR:LDA+LEV DAT2,X:STA+DARK:LDA+LEV DAT3,X
202 STA+DOORFLAG:LDA+LEV DAT4,X:STA+MONFLAG
203 :
204 LDA#1:STA+ROOM:JSR+ALTERMAP:JSR+WALLROUTINE:LDA#0:STA+MAPSTARTL:LDA#195
205 STA+MAPSTARTH:LDA#27:STA+NX:LDA#23:STA+NY:LDA#5:STA+SX:LDA#5:STA+SY
206 LDA#40:STA+WX:LDA#W:STA+WY:LDA+WX:SEC:SBC#1:CLC:ROR
207 STA+CX:LDA+WY:SEC:SBC#1:CLC:ROR:STA+CY:LDA+SX:STA+XL:LDA+NX:SEC:SBC#1
208 STA+XH:LDX#0:+I1 DEC+XL:LDA+XL:CMPI#255:BNE+I2:LDA+SX:SEC:SBC#1:STA+XL
209 DEC+XH:+I2 INX:CPX+WX:BNE+I1:LDA+SY:STA+YL:LDA+NY:SEC:SBC#1:STA+YH:LDX#0
210 +I3 DEC+YL:LDA+YL:CMPI#255:BNE+I4:LDA+SY:SEC:SBC#1:STA+YL:DEC+YH:+I4 INX
211 CPX+WY:BNE+I3:LDA#0:STA+LIGHTTIMER:LDA#3:STA+LIVES:LDA#50:STA+MATCHES
212 LDA#0:STA+STEP:STA+BELL:STA+THUN:STA+DEC:STA+FRONT:STA+PIECES
213 LDA#2:STA+KNXL:LDA#4:STA+KNXH:LDA#2:STA+KNYL:LDA#11:STA+KNYH

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214 JSR+POSITIONKNIGHT:LDA+SC:AND#7:STA+BITX:LDA#0:STA+SBITX:LDA#0:STA+ANIM
215 LDX#0:LDY#1:+I5 TYA:STA+SHAPE,X:INX:INX:INX:CPX#3:BNE+I5:JSR+LOCATEMONSTERS
216 JSR+CLEARMAP:LDX#0:+I6 LDA54299:AND#3:CLC:ADCH1:STA+KEYR,X:JSR+KEYPOS
217 LDA54299:AND#3:CLC:ADCH1:STA+URNR,X:JSR+URNPOS:INX:CPX#4:BNE+I6
218 LDX#0:LDA#0:+I7 STA57344+36*8,X:STA+UBUF,X:INX:CPX#9*8:BNE+I7
219 LDX#0:LDA+DOORFLAG:+I8 STA+DOOR,X:INX:CPX#4:BNE+I8:RTS
220 :
221 +ROOM BYT0:+NEWCOLOR BYT0:+WALLCOLOR BYT0:+MAPSTARTL BYT0:+MAPSTARTH BYT0
222 +NX BYT0:+NY BYT0:+SX BYT0:+SY BYT0:+CX BYT0:+CY BYT0:+ML BYT0:+MH BYT0
223 +XL BYT0:+XH BYT0:+YL BYT0:+YH BYT0:+WX BYT0:+WY BYT0:+SC BYT0:+FLOOR BYT0
224 +MATCHES BYT0:+LIVES BYT0:+LEVEL BYT0:+DOORFLAG BYT0:+MONFLAG BYT0
225 +FRONT BYT0:+PIECES BYT0
226 :
227 +LEVDAT1 BUF8,12:BUF8,0:+LEVDAT2 BUF16,0,0,0,0,1,1,1,1
228 +LEVDAT3 BUF16,3,3,0,0:+LEVDAT4 BUF16,1,0
229 /-----/
230 +WALLROUTINE LDX#0:LDA+DARK:BNE+WR1:LDX+ROOM:LDA+WALLC,X:TAX
231 +WR1 STX+NEWCOLOR:RTS
232 :
233 +WALLC BYT0,2,3,4,5:+DARK BYT0
234 /-----/
235 +DRAWMATCHES LDA+FLOOR:BNE+DMA1:LDX+MATCHES:LDA+DMD1,X:STA+NUM:LDA#0:STA2
236 JSR+NUMBER:LDX+MATCHES:LDA+DMD2,X:STA+NUM:LDA#6*8:STA2:JSR+NUMBER:RTS
237 +DMA1 LDA#255:LDX#0:+DMA2 STA57344+45*8,X:INX:CPX#8*12:BNE+DMA2:RTS
238 :
239 +DRAWLEVEL LDX+LEVEL:LDA+DMD1,X:STA+NUM:LDA#6*8*4:STA2:JSR+NUMBER
240 LDX+LEVEL:LDA+DMD2,X:STA+NUM:LDA#6*8*5:STA2:JSR+NUMBER:RTS
241 :
242 +DMD1 BUF10,0:BUF10,1:BUF10,2:BUF10,3:BUF10,4:BUF10,5
243 +DMD2 BUF60,0,1,2,3,4,5,6,7,8,9
244 /-----/
245 +LOCATEMONSTERS LDA+MONFLAG:BNE+LM4
246 LDX#0:+LM1 LDA54299:AND#3:CLC:ADCH1:CMP+ROOM:BEQ+LM1
247 STA+MONR,X:+LM2 LDA54299:AND#31:STA+MONXH,X:SEC:SBCH27:BCS+LM2
248 +LM3 LDA54299:AND#31:STA+MONYH,X:SEC:SBCH23:BCS+LM3:LDA#1:STA+MONXL,X
249 STA+MONYL,X:LDA#0:STA+MONBX,X:STA+MONBY,X:LDA54299:AND#3:STA+MONDIR,X:NOP
250 NOP:NOP:LDA54299:ORA#64:STA+MONCOUNT,X:INX:CPX#3:BNE+LM1:RTS
251 +LM4 LDA#0:STA+MONR:STA+MONR+1:STA+MONR+2:RTS
252 /-----/
253 +SCATTERKEYS LDX#0:+SK1 LDA+KEYR,X:BNE+SK3:+SK2 LDA54299:AND#3:CLC:ADCH1
254 CMP+ROOM:BEQ+SK2:STA+KEYR,X:JSR+KEYPOS:+SK3 INX:CPX#4:BNE+SK1:LDX#0:LDA#0
255 +SK4 STA51245+W*40,X:STA52269+W*40,X:INX:CPX#34:BNE+SK4:RTS
256 /-----/
257 +MOVEKNIGHT LDA#0:STA+MOVE:LDA56320:AND#15:STA+JOY:JSR+EYES:JSR+COLLISION

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2881 LDA+COLX:BNE+MK1:LDA+COLY:BNE+MK1:LDA+COL:BNE+MK5:+MK1 LDA+COLX:BNE+MK3
2882 LDX+JOY:LDA+COMPX,X:BEQ+MK3:CMPI#2:BEQ+MK2:INC+MOVE:JSR+LEFT:JMP+MK3
2883 +MK2 INC+MOVE:JSR+RIGHT:+MK3 LDA+COLY:BNE+MK5:LDX+JOY:LDA+COMPY,X:BEQ+MK5
2884 CMPI#2:BEQ+MK4:INC+MOVE:JSR+UP:JMP+MK5:+MK4 INC+MOVE:JSR+DOWN:+MK5 JSR+TAKE
2885 RTS
2886 :
2887 +COMPX BYT0,0,0,0,0,2,2,2,0,1,1,1,0,0,0,0
2888 +COMPY BYT0,0,0,0,0,2,1,0,0,2,1,0,0,2,1,0
2889 :
2890 +JOY BYT0:+MOVE BYT0
2891 /-----
2892 +SPINEYES LDA#0:STA54280:LDA#129:STA54283:LDA#0:STA54276:LDA#3:STA54273
2893 LDA#11:STA54277:LDA#17+64:STA54276:LDA#0:STA2:+SE1 LDA2:CLC:ROR:STA3:LDA2
2894 AND#7:TAX:LDA+SPIND,X:CLC:ADCH#4:CLC:ADC3:STA54280:LDA2:AND#7:TAX
2895 +SE1A LDA53266:SEC:SBC+LINE:BCC+SE1A:LDA+SED1,X:STA+WALLCOLOR:LDA+SED2,X
2896 TAX:LDY#0:+SE2 LDA+EYD,X:STA49152,Y:STA49153,Y:INX:INY:INY:INY:CPY#9
2897 BNE+SE2:LDX#0:+SE3 LDY#0:+SE4 INY:CPY#0:BNE+SE4:INX:CPX#25:BNE+SE3:INC2
2898 LDA2:CMPI#8*8:BNE+SE1:LDA#0:STA54285:LDA#11:STA54284:RTS
2899 +SPIND BYT0,1,2,3,4,3,2,1
2900 +SED1 BYT11,12,15,1,15,12,11,0:+SED2 BYT24,21,18,15,12,9,6,3
2901 /-----
2902 +LEFT LDA+PXL:CMPI#XL:BNE+LEFT0A:LDA+PXH:CMPI#XH:BNE+LEFT0A:LDA+KNX:CMPI#CX
2903 BNE+LEFT2:+LEFT0A LDA+PXL:CMPI#0:BNE+LEFT1:LDA+PXH:CMPI#0:BEQ+LEFT2
2904 +LEFT1 LDA+BITX:CLC:ADC+SC:STA+BITX:AND#8:BEQ+LEFT4:LDA+BITX:AND#7:STA+BITX
2905 DEC+PX:DEC+PXL:LDA+PXL:CMPI#255:BNE+LEFT3:LDA+SX:SEC:SBC#1:STA+PXL:DEC+PXH
2906 JMP+LEFT3:+LEFT2 LDA+SBITX:SEC:SBC+SC:STA+SBITX:BCS+LEFT4:CLC:ADC#8
2907 STA+SBITX:DEC+KNX:LDA+KNL:SEC:SBC#1:STA+KNL:LDA+KNH:SBC#0:STA+KNH
2908 +LEFT3 DEC+KNXL:LDA+KNXL:CMPI#255:BNE+LEFT4:LDA+SX:SEC:SBC#1:STA+KNXL
2909 DEC+KNXH:+LEFT4 RTS
2910 /-----
2911 +RIGHT LDA+PXL:CMPI#0:BNE+RIGHT0A:LDA+PXH:CMPI#0:BNE+RIGHT0A:LDA+KNX:CMPI#CX
2912 BNE+RIGHT2:+RIGHT0A LDA+PXL:CMPI#XL:BNE+RIGHT1:LDA+PXH:CMPI#XH:BEQ+RIGHT2
2913 +RIGHT1 LDA+BITX:SEC:SBC+SC:STA+BITX:BCS+RIGHT4:CLC:ADC#8:STA+BITX
2914 INC+PX:INC+PXL:LDA+PXL:CMPI#SX:BNE+RIGHT3:LDA#0:STA+PXL:INC+PXH:JMP+RIGHT3
2915 +RIGHT2 LDA+SBITX:CLC:ADC+SC:STA+SBITX:AND#8:BEQ+RIGHT4:LDA+SBITX:AND#7
2916 STA+SBITX:INC+KNX:LDA+KNL:CLC:ADC#1:STA+KNL:LDA+KNH:ADC#0:STA+KNH
2917 +RIGHT3 INC+KNXL:LDA+KNXL:CMPI#SX:BNE+RIGHT4:LDA#0:STA+KNXL:INC+KNXH
2918 +RIGHT4 RTS
2919 /-----
2920 +UP LDA+PYL:CMPI#YL:BNE+UP0A:LDA+PYH:CMPI#YH:BNE+UP0A:LDA+KNY:CMPI#CY:BNE+UP2
2921 +UP0A LDA+PYL:CMPI#0:BNE+UP1:LDA+PYH:CMPI#0:BEQ+UP2:+UP1 LDA+BITY:CLC:ADC+SC
2922 STA+BITY:AND#8:BEQ+UP4:LDA+BITY:AND#7:STA+BITY:DEC+PY:DEC+PYL:LDA+PYL
2923 CMPI#255:BNE+UP3:LDA+SY:SEC:SBC#1:STA+PYL:DEC+PYH:LDA+ML:SEC:SBC+NX:STA+ML
2924 LDA+MH:SBC#0:STA+MH:JMP+UP3:+UP2 LDA+SBITY:SEC:SBC+SC:STA+SBITY:BCS+UP4

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3335 CLC:ADCH#8:STA+SBITY:DEC+KNY:LDA+KNL:SEC:SBCH#40:STA+KNL:LDA+KNH:SBCH#0
3336 STA+KNH:←UP3 DEC+KNYL:LDA+KNYL:CMPh#255:BNE←UP4:LDA+SY:SEC:SBCH#1:STA+KNYL
3337 DEC+KNYH:←UP4 RTS
3338 /-----
3339
3340 ←DOWN LDA+PYL:CMPh#0:BNE←DOWN#0A:LDA+PYH:CMPh#0:BNE←DOWN#0A:LDA+KNY:CMPh#CY
3341 BNE←DOWN2:←DOWN#0A LDA+PYL:CMPh#YL:BNE←DOWN1:LDA+PYH:CMPh#YH:BEQ←DOWN2
3342 ←DOWN1 LDA+BITY:SEC:SBCH#SC:STA+BITY:BCS←DOWN4:CLC:ADCH#8:STA+BITY:INC+PY
3343 INC+PYL:LDA+PYL:CMPh#SY:BNE←DOWN3:LDA#0:STA+PYL:INC+PYH:LDA+ML:CLC:ADC+NX
3344 STA+ML:LDA+MH:ADCH#0:STA+MH:JMP←DOWN3:←DOWN2 LDA+SBITY:CLC:ADC+SC:STA+SBITY
3345 AND#8:BEQ←DOWN4:LDA+SBITY:AND#7:STA+SBITY:INC+KNY:LDA+KNL:CLC:ADCH#40
3346 STA+KNL:LDA+KNH:ADCH#0:STA+KNH:←DOWN3 INC+KNYL:LDA+KNYL:CMPh#SY:BNE←DOWN4
3347 LDA#0:STA+KNYL:INC+KNYH:←DOWN4 RTS
3348 /-----
3349
3350 ←DRAWKNIGHT LDA+KNX:CLC:ROL:CLC:ROL:CLC:ROL:STA3:LDA#0:ADCH#0:STA4:LDA3:CLC
3351 ADCH#24:STA3:LDA4:ADCH#0:STA4:LDA3:CLC:ADC+SBITX:STA3:LDA4:ADCH#0:STA4
3352 LDA3:STA53248:LDA53264:AND#254:ORA4:STA53264:LDA3:SEC:SBCH#40:STA53256
3353 STA53260:LDA53264:AND#255-16-64:STA53264:LDA4:SBCH#0:BEQ←KN1:LDA53264
3354 ORA#16+64:STA53264:←KN1 LDA3:CLC:ADCH#8:STA53258:STA53262:LDA53264
3355 AND#255-32-128:STA53264:LDA4:ADCH#0:BEQ←KN2:LDA53264:ORA#32+128:STA53264
3356 ←KN2 LDA+KNY:CLC:ROL:CLC:ROL:CLC:ROL:CLC:ADCH#48:CLC:ADC+SBITY:STA53249
3357 SEC:SBCH#32:STA53257:STA53259:CLC:ADCH#36:STA53261:STA53263:RTS
3358 :
3359 ←SBITX BYT0:←SBITY BYT0
3360 /-----
3361
3362 ←POSITIONKNIGHT LDA#0:STA+KNL:LDA#200:STA+KNH:LDA#0:STA+KNX:STA+KNY
3363 LDA#0:STA+PXL:STA+PXH:STA+PYL:STA+PYH:LDA+MAPSTARTL:STA+ML:LDA+MAPSTARTH
3364 STA+MH:LDA#0:STA+PX:STA+PY:LDA#0:STA+BITY:STA+SBITY
3365 :
3366 LDA#0:STA3:STA4:LDA+KNXL:BNE←PK1:LDA+KNXH:BEQ←PK6:←PK1 LDA+PXL:BNE←PK2
3367 LDA+PXH:BNE←PK2:LDA+KNX:CMPh#CX:BNE←PK4:←PK2 LDA+PXL:CMPh#XL:BNE←PK3:LDA+PXH
3368 CMPh#XH:BEQ←PK4:←PK3 INC+PX:INC+PXL:LDA+PXL:CMPh#SX:BNE←PK5:LDA#0:STA+PXL
3369 INC+PXH:JMP←PK5:←PK4 INC+KNX:LDA+KNL:CLC:ADCH#1:STA+KNL:LDA+KNH:ADCH#0
3370 STA+KNH:←PK5 INC3:LDA3:CMPh#SX:BNE←PK5A:LDA#0:STA3:INC4:←PK5A LDA3:CMPh#KNXL
3371 BNE←PK1:LDA4:CMPh#KNXH:BNE←PK1
3372 :
3373 ←PK6 LDA#0:STA3:STA4:LDA+KNYL:BNE←PK7:LDA+KNYH:BEQ←PK12:←PK7 LDA+PYL
3374 BNE←PK8:LDA+PYH:BNE←PK8:LDA+KNY:CMPh#CY:BNE←PK10:←PK8 LDA+PYL:CMPh#YL:BNE←PK9
3375 LDA+PYH:CMPh#YH:BEQ←PK10:←PK9 INC+PY:INC+PYL:LDA+PYL:CMPh#SY:BNE←PK11:LDA#0
3376 STA+PYL:INC+PYH:LDA+ML:CLC:ADC+NX:STA+ML:LDA+MH:ADCH#0:STA+MH:JMP←PK11
3377 ←PK10 INC+KNY:LDA+KNL:CLC:ADCH#40:STA+KNL:LDA+KNH:ADCH#0:STA+KNH:←PK11 INC3
3378 LDA3:CMPh#SY:BNE←PK11A:LDA#0:STA3:INC4:←PK11A LDA3:CMPh#KNYL:BNE←PK7:LDA4
3379 CMPh#KNYH:BNE←PK7:←PK12 RTS
3380 :
3381 ←KNXL BYT0:←KNXH BYT0:←KNYL BYT0:←KNYH BYT0:←KNL BYT0:←KNH BYT0

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421  +KNX BYT0: +KNY BYT0
429  /-----
430  +DRAWCHAR
431  LDA+OX: SEC: SBC+PX: BCC+DCEND: STA3: LDA+WX: SEC: SBCH1: SEC: SBC3: BCC+DCEND
432  LDA+OY: SEC: SBC+PY: BCC+DCEND: STA4: LDA+WY: SEC: SBCH1: SEC: SBC4: BCC+DCEND
433  :
440  LDA#0: STA5: LDA#204: SEC: SBC+MODE: STA6: LDY4: LDA5: CLC: ADC+YOFFL, Y: STA5: LDA6
441  ADCH0: CLC: ADC+YOFFH, Y: STA6: LDY3: LDA+CHAR: STA(5), Y: +DCEND RTS
442  :
450  +YOFFL BYT0, 40, 80, 120, 160, 200, 240, 24, 64, 104, 144, 184, 224, 8, 48, 88, 128, 168, 208
451  BYT248, 32, 72, 112, 152, 192: +YOFFH BUF7, 0: BUF6, 1: BUF7, 2: BUF5, 3
452  :
453  +OX BYT0: +OY BYT0: +CHAR BYT0
459  /-----
460  +DRAWSTAIRS LDA+KNYH: SEC: SBCH11: BCS+DS2: LDA+ROOM: CMP#1: BEQ+DS5: LDX#0
461  +DS1 LDA+DSD1, X: STA+OX: LDA+DSD2, X: STA+OY: LDA+DSD3, X: STA+CHAR: JSR+DRAWCHAR
462  INX: CPX#6: BNE+DS1: RTS: +DS2 LDA+ROOM: CMP#4: BEQ+DS4: LDX#6: +DS3 LDA+DSD1, X
463  STA+OX: LDA+DSD2, X: STA+OY: LDA+DSD3, X: STA+CHAR: JSR+DRAWCHAR: INX: CPX#12
464  BNE+DS3: +DS4 RTS: +DS5 LDA+FRONT: BNE+DS6: LDA#65: STA+OX: LDA#5: STA+OY: LDA#81
465  STA+CHAR: JSR+DRAWCHAR: INC+OX: INC+CHAR: JSR+DRAWCHAR: INC+OX: JSR+DRAWCHAR
466  INC+OX: JSR+DRAWCHAR: INC+OX: INC+CHAR: JSR+DRAWCHAR: +DS6 RTS
467  +DSD1 BUF12, 66, 67, 68: +DSD2 BYT5, 5, 5, 6, 6, 6, 108, 108, 108, 109, 109, 109
468  +DSD3 BUF20, 3, 4, 5, 6, 6, 6
469  /-----
470  +DRAWKEY LDA+DOORFLAG: BNE+DK3
471  LDX#0: +DK1 LDA+KEYR, X: CMP+ROOM: BNE+DK2: LDA+KEYX, X: STA+OX
472  LDA+KEYY, X: STA+OY: LDA+KEYC, X: STA+CHAR: JSR+DRAWCHAR: INC+OX: INC+CHAR
473  JSR+DRAWCHAR: INC+OX: INC+CHAR: JSR+DRAWCHAR: +DK2 INX: CPX#4: BNE+DK1: +DK3 RTS
474  :
475  +KEYX BUF4, 0: +KEYY BUF4, 0: +KEYR BUF4, 0: +KEYC BYT7, 10, 13, 16
479  /-----
480  +DRAWURN LDX#0
481  LDA+URNR, X: CMP+ROOM: BNE+DU1: LDA+URNX, X: STA+OX: LDA+URNY, X: STA+OY: LDA#22
482  STA+CHAR: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR
483  +DU1 INX: LDA+URNR, X: CMP+ROOM: BNE+DU2: LDA+URNX, X: STA+OX: LDA+URNY, X: CLC: ADC#2
484  STA+OY: LDA#24: STA+CHAR: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR: INC+CHAR
485  INC+OX: JSR+DRAWCHAR
486  +DU2 INX: LDA+URNR, X: CMP+ROOM: BNE+DU3: LDA+URNX, X: STA+OX: LDA+URNY, X: STA+OY
487  LDA#27: STA+CHAR: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR: INC+CHAR: DEC+OX
488  INC+OY: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR
489  +DU3 INX: LDA+URNR, X: CMP+ROOM: BNE+DU4: LDA+URNX, X: CLC: ADCH1: STA+OX: LDA+URNY, X
490  STA+OY: LDA#31: STA+CHAR: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR: INC+CHAR
491  DEC+OX: INC+OY: JSR+DRAWCHAR: INC+CHAR: INC+OX: JSR+DRAWCHAR: INC+CHAR: INC+OY
492  JSR+DRAWCHAR: +DU4 RTS

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4499 :
4499 +URNR BUF4,0:←URNX BUF4,0:←URNY BUF4,0
4499 /-----/
4499 +SHOWSCREEN LDA53266:SEC:SBC←LINE:BCC←SHOWSCREEN:LDA←MODE:BEQ←SS1:LDA#0
4499 STA←MODE:LDA#8+32:STA53272:JMP←SS2:←SS1 LDA#4:STA←MODE:LDA#8+48:STA53272
4499 +SS2 LDA#63:STA56578:LDA#196:STA56576:LDA#16:CLC:ADC←BITY:STA←VERT:LDA#16
4499 CLC:ADC←BITX:STA←HORI:LDA←NEWCOLOR:STA←WALLCOLOR:LDX←FLOOR:LDA←LIGHTTIMER
4499 BEQ←SS3:TAX:LDA←LIGHTD,X:TAX:←SS3 STX53291:STX53292:STX53293:STX53294:RTS
4499 :
4499 +MODE BYT0:←BITX BYT0:←BITY BYT0:←LIGHTD BUF33,11:BUF33,12:BUF33,15
4499 BUF154,7:BYT15,12,11
4499 /-----/
4499 +ALTERMAP LDA←ROOM:LDX#"X":CMP#1:BNE←AM1:LDX#"":←AM1 STX49920+13:LDX#"X"
4499 STX49920+22*27+13:CMP#4:BEQ←AM2:LDX#"":←AM2 STX49920+21*27+13:RTS
4499 /-----/
4499 +MOVEMONSTERS LDA←MONFLAG:BEQ←MM0:RTS
4499 +MM0 LDX#0:←MM1 DEC←MONCOUNT,X:LDA←MONCOUNT,X:BNE←MM2:LDA54299
4499 AND#3:STA←MONDIR,X:NOP:NOP:NOP:LDA54299:ORA#64:STA←MONCOUNT,X
4499 +MM2 LDA←OFFSET,X:TAY:LDA53251,Y:BEQ←MM3:JMP←FOLLOW:←MM3 LDA←MONDIR,X:CMP#0
4499 BNE←MM4:JSR←MLEFT:JMP←MMEND:←MM4 CMP#1:BNE←MM5:JSR←MRIGHT:JMP←MMEND
4499 +MM5 CMP#2:BNE←MM6:JSR←MUP:JMP←MMEND:←MM6 JSR←MDOWN:←MMEND INX:CPX#3
4499 BNE←MM1:RTS
4499 :
4499 +MONDIR BUF3,0:←MONCOUNT BUF3,0:←MSPEED BYT1,2,3:←OFFSET BYT0,2,4
4499 :
4499 +FOLLOW LDY←KNXH:LDA←MULTP,Y:CLC:ADC←KNXL:SEC:SBCH1:STA2:LDA←MONXH,X:TAY
4499 LDA←MULTP,Y:CLC:ADC←MONXL,X:SEC:SBC2:BEQ←F02:BCC←F01:JSR←MLEFT:JMP←F02
4499 +F01 JSR←MRIGHT:←F02 LDY←KNYH:LDA←MULTP,Y:CLC:ADC←KNYL:SEC:SBCH2:STA2
4499 LDA←MONYH,X:TAY:LDA←MULTP,Y:CLC:ADC←MONYL,X:SEC:SBC2:BEQ←F04:BCC←F03
4499 JSR←MUP:JMP←F04:←F03 JSR←MDOWN:←F04 JMP←MMEND
4499 :
4499 +MLEFT LDA←MONBX,X:SEC:SBC←MSPEED,X:AND#7:STA←MONBX,X:BCS←MLEFT1
4499 DEC←MONXL,X:LDA←MONXL,X:CMP#255:BNE←MLEFT1:LDA#4:STA←MONXL,X:DEC←MONXH,X
4499 LDA←MONXH,X:CMP#255:BNE←MLEFT1:LDA#26:STA←MONXH,X:←MLEFT1 RTS
4499 :
4499 +MRIGHT LDA←MONBX,X:CLC:ADC←MSPEED,X:STA←MONBX,X:AND#8:BEQ←MRIGHT1
4499 LDA←MONBX,X:AND#7:STA←MONBX,X:INC←MONXL,X:LDA←MONXL,X:CMP#5:BNE←MRIGHT1
4499 LDA#0:STA←MONXL,X:INC←MONXH,X:LDA←MONXH,X:CMP#27:BNE←MRIGHT1:LDA#0
4499 STA←MONXH,X:←MRIGHT1 RTS
4499 :
4499 +MUP LDA←MONBY,X:SEC:SBC←MSPEED,X:AND#7:STA←MONBY,X:BCS←MUP1:DEC←MONYL,X
4499 LDA←MONYL,X:CMP#255:BNE←MUP1:LDA#4:STA←MONYL,X:DEC←MONYH,X:LDA←MONYH,X
4499 CMP#255:BNE←MUP1:LDA#22:STA←MONYH,X:DEC←MONR,X:LDA←MONR,X:CMP#0:BNE←MUP1
4499 LDA#4:STA←MONR,X:←MUP1 RTS

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6633 :
6634 +MDOWN LDA+MONBY,X:CLC:ADC+MSPEED,X:STA+MONBY,X:AND#8:BEQ+MDOWN1
6635 LDA+MONBY,X:AND#7:STA+MONBY,X:INC+MONYL,X:LDA+MONYL,X:CPH#5:BNE+MDOWN1
6636 LDA#0:STA+MONYL,X:INC+MONYH,X:LDA+MONYH,X:CPH#23:BNE+MDOWN1:LDA#0
6637 STA+MONYH,X:INC+MONR,X:LDA+MONR,X:CPH#5:BNE+MDOWN1:LDA#1:STA+MONR,X
6638 +MDOWN1 RTS
6639 /-----
6640 +SETUPSPRITES LDX#0:LDY#0:+SUS2 LDA+SPS,X:STA52216,X:STA53240,X:LDA+SPC,X
6641 STA53287,X:TXA:CLC:ROL:ROL:ROL:ROL:ROL:ROL:STA53248,Y:LDA#0:STA53249,Y:INY:INY
6642 INX:CPX#8:BNE+SUS2:LDA#0:STA53264:LDA#255:STA53271:LDA#255:STA53275:LDA#0
6643 STA53276:LDA#254:STA53277:LDA#255:STA53269:RTS
6644 :
6645 +SPS BYT0,1,3,5,7,8,9,10:+SPC BYT1,0,9,1,0,0,0,0
6646 /-----
6647 +SOUNDS LDA+BELL:BEQ+SN0:DEC+BELL:LDA+BELL:BNE+SN0:LDA#0:STA54276
6648 +SN0 LDA+MOVE:BEQ+SN2:LDX+STEP:INX:CPX#26:BNE+SN1:LDX#0:+SN1 STX+STEP
6649 LDA+STEPP,X:ORA#128+16:STA54296:+SN2 RTS
6650 +STEPP BUF3,13:BUF10,12:BUF3,14:BUF10,15
6651 :
6652 +STEP BYT0
6653 /-----
6654 +THUNDER LDA+DEC:BEQ+TH0:DEC+DEC:JMP+TH000:+TH0 LDA+THUN:CLC:ROR:CLC:ROR
6655 STA2:LDA54299:STA3:SEC:SBC2:BCS+TH00:LDA3:STA+DEC:+TH00 LDA53251:BNE+TH1
6656 LDA53253:BNE+TH1:LDA53255:BNE+TH1:+TH000 LDA+THUN:BEQ+TH2:DEC+THUN:JMP+TH2
6657 +TH1 LDA+THUN:CPH#255:BEQ+TH2:INC+THUN:+TH2 LDA+THUN:BNE+TH3:LDA#0:STA54283
6658 LDA+FLOR:STA+SCREEN:JSR+WALLROUTINE:LDA#255:STA53269:RTS
6659 +TH3 LDA#15:STA53269:LDA+THUN:CLC:ROR:CLC:ROR:CLC:ADCH#4:STA54280:LDA#129
6660 STA54283:LDA+THUN:SEC:SBC54299:BCC+TH4:SEC:SBC#16:BCS+TH4:LDA#1
6661 STA+NEWCOLOR:STA+SCREEN:RTS:+TH4 LDA#0:STA+SCREEN:LDX#0:LDA+NEWCOLOR
6662 CPH#1:BEQ+TH5:CPH#15:BEQ+TH6:CPH#12:BNE+TH7:LDA#1:STA54280:LDX#11:JMP+TH7
6663 +TH5 LDX#15:JMP+TH7:+TH6 LDX#12:+TH7 STX+NEWCOLOR:RTS:+THUN BYT0:+DEC BYT0
6664 /-----
6665 +DRAWMONSTERS LDA#0:STA5:LDX#0:+DM0 LDA+MONR,X:CPH+ROOM:BEQ+DM1:+DM00 LDY5
6666 LDA#0:STA53251,Y:JMP+DM3:+DM1 JSR+MROUT:LDA+OX:CLC:ADCH#5:SEC:SBC+PX
6667 BCC+DM00:SEC:SBC#3:BCC+DM00:STA3:LDA+WX:CLC:ADCH#2:SEC:SBC3:BCC+DM00:LDA+OY
6668 CLC:ADCH#5:SEC:SBC+PY:BCC+DM00:SEC:SBC#3:BCC+DM00:STA4:LDA+WY:CLC:ADCH#1:SEC
6669 SBC4:BCC+DM00:LDA+SHAPE,X:STA52217,X:STA53241,X:LDA3:CLC:ROL:CLC:ROL:CLC
6670 ROL:STA2:LDA#0:ADCH#0:STA3:LDA2:CLC:ADCH#8:STA2:LDA3:ADCH#0:STA3:LDA2:CLC
6671 ADC+BITX:STA2:LDA3:ADCH#0:STA3:LDA2:CLC:ADC+MONBX,X:LDY5:STA53250,Y:LDA3
6672 ADCH#0:STA3:LDA53264:AND+MOND1,X:LDY3:BEQ+DM2:ORA+MOND2,X:+DM2 STA53264
6673 LDA4:CLC:ROL:CLC:ROL:CLC:ROL:CLC:ADCH#34:CLC:ADC+MONBY,X:CLC:ADC+BITY:LDY5
6674 STA53251,Y:+DM3 INC5:INC5:INX:CPX#3:BEQ+DM4:JMP+DM0:+DM4 RTS
6675 :
6676 +MOND1 BYT253,251,247:+MOND2 BYT2,4,8

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712 :
713 +MONXL BUF3,0:+MONXH BUF3,0:+MONYL BUF3,0:+MONYH BUF3,0:+MONR BUF3,0
714 +SHAPE BUF3,0:+MONBX BUF3,0:+MONBY BUF3,0
715 :
720 +MROUT LDA+MONXH,X:TAY:LDA+MULTP,Y:CLC:ADC+MONXL,X:STA+OX:LDA+MONYH,X:TAY
721 LDA+MULTP,Y:CLC:ADC+MONYL,X:STA+OY:RTS
722 :
723 +MULTP BYT0,5,10,15,20,25,30,35,40,45,50,55,60,65,70,75,80,85,90,95,100,105
724 BYT110,115,120,125,130,135,140,145,150
749 /-----/
750 +DRAWDOORS LDX+ROOM:DEX:LDA+KNXH:SEC:SBC#13:BCS+DD1:LDA+DOOR,X:AND#1
751 BNE+DD2:LDA#6*5+2:JSR+DROUT:RTS:+DD1 LDA+DOOR,X:AND#2:BNE+DD2:LDA#20*5+2
752 JSR+DROUT:+DD2 RTS
753 :
754 +DROUT STA+OX:LDA#11*5:STA+OY:LDA#19:STA+CHAR:JSR+DRAWCHAR:LDA#20:STA+CHAR
755 INC+OY:JSR+DRAWCHAR:INC+OY:JSR+DRAWCHAR:INC+OY:JSR+DRAWCHAR:LDA#21:STA+CHAR
756 INC+OY:JSR+DRAWCHAR:RTS
799 /-----/
800 +KEYPOS LDA54299:AND#31:STA5:SEC:SBC#27:BCS+KEYPOS:+KP1 LDA54299:AND#31
801 STA6:SEC:SBC#23:BCS+KP1:LDA+MAPSTARTL:STA3:LDA+MAPSTARTH:STA4:LDA6:BEQ+KP3
802 TAY:+KP2 LDA3:CLC:ADCH#27:STA3:LDA4:ADCH#0:STA4:DEY:CPY#0:BNE+KP2:+KP3 LDY5
803 LDA(3),Y:CMPI#32:BNE+KEYPOS:CLC:ADCH#1:STA(3),Y:LDY5:LDA+MULTP,Y:CLC:ADCH#1
804 STA+KEYX,X:LDY6:LDA+MULTP,Y:CLC:ADCH#2:STA+KEYY,X:RTS
809 /-----/
810 +TAKE LDA+COLX:CMPI#1:BPL+TA1:LDA+COLY:CMPI#1:BPL+TA1:LDA+COL:CMPI#1:BPL+TA1
811 RTS:+TA1 TAX:LDA+TAKED,X:CMPI#255:BNE+TA2:RTS:+TA2 CMPI#8:BNE+TA3:DEC+ROOM
812 LDA#2:STA+KNYL:LDA#21:STA+KNYH:JMP+NEW:TA3 CMPI#9:BNE+TA4:INC+ROOM:LDA#2
813 STA+KNYL:LDA#1:STA+KNYH:JMP+NEW:TA4 CMPI#10:BNE+TA44:JMP+OPENDOOR
814 +TA44 CMPI#11:BNE+TA444:JMP+OPENFRONT:TA444 STA2:AND#4:BEQ+TA6:LDA2:AND#3
815 TAX:LDA#0:STA+URNR,X:LDA+UOFFS,X:TAX:LDY#0:+TA5 LDA+URNDATA,X:ORA+UBUF,Y
816 INX:STA+UBUF,Y:STA57344+36*8,Y:INY:STA+UBUF,Y:STA57344+36*8,Y:INY:CPY#9*8
817 BNE+TA5:INC+PIECES:LDA#230:STA2:JMP+SOUNDBELL:TA6 LDX2:LDA#0:STA+KEYR,X
818 LDA+KEYCOLOR,X:STA3:LDA+KEYP,X:TAX:LDY#7:+TA7 TYA:STA51240+W*40,X
819 STA52264+W*40,X:LDA3:STA55336+W*40,X:INX:INY:CPY#10:BNE+TA7:LDA#130:STA2
820 JMP+SOUNDBELL:+KEYP BYT5,15,25,35
821 :
822 +NEW:JSR+POSITIONKNIGHT:LDA+ROOM:STA+NUM:LDA#144:STA2:JSR+NUMBER
823 JSR+ALTERMAP:RTS
824 :
825 +OPENDOOR LDX+ROOM:DEX:LDA+KNXH:SEC:SBC#13:BCS+OD1:LDA+KEYR,X:BNE+OD3
826 LDA+DOOR,X:ORA#1:JMP+OD2:+OD1 LDA+KEYR,X:BNE+OD3:LDA+DOOR,X:ORA#2
827 +OD2 STA+DOOR,X:LDA#0:STA54276:LDA#4:STA54273:LDA#129:STA54276:LDA#20
828 STA+BELL:+OD3 RTS
829 :

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830 +OPENFRONT LDA+PIECES:CMPI#4:BNE+OF1:INC+FRONT:LDA#0:STA54276:LDA#4:STA54273
831 LDA#129:STA54276:LDA#20:STA+BELL:+OF1 RTS
832 :
833 +SOUNDBELL LDA#0:STA54276:LDA2:STA54273:LDA#21:STA54276:LDA#20:STA+BELL:RTS
834 :
840 +URNDATA BYT0,3,3,0,252,255,255,0:BUF7*4,0
841 BUF6*4,0:BYT0,0,3,63,252,252,255,255,0,0,0,240
842 BYT0,0,255,255,0,0,240,240,0,0,0,0,255,63,63,15,240,240,240,240:BUF4*4,0
843 BUF6,0:BYT63,63,0,0,252,252,0,0,0,0:BUF4,63:BYT252,243,243,195:BUF8,0
844 BYT60,0,0,0
845 :
846 +KEYCOLOR BYT10,11,12,13:+UBUF BUF9*8,0:+TAKED BUF3,255:BYT9,9,9,8:BUF3,0
847 BUF3,1:BUF3,2:BUF3,3:BUF3,10:BYT4,4:BUF3,5:BUF4,6:BUF5,7:BUF45,255
848 BUF3,11:BUF172,255:+UOFFS BYT0,36,72,108:+BELL BYT0:+DOOR BUF4,0
849 /-----
850 +URNPOS LDA54299:AND#31:STA5:SEC:SBCH#27:BCS+URNPOS:+URP1 LDA54299:AND#31
851 STA6:SEC:SBCH#23:BCS+URP1:LDA+MAPSTARTL:STA3:LDA+MAPSTARTH:STA4:LDA6
852 BEQ+URP3:TAY:+URP2 LDA3:CLC:ADCH#27:STA3:LDA4:ADCH#0:STA4:DEY:CPY#0:BNE+URP2
853 +URP3 LDY5:LDA(3),Y:CMPI#32:BEQ+URP4:CMPI#42:BNE+URNPOS:+URP4 CLC:ADCH#1
854 STA(3),Y:LDY5:LDA+MULTP,Y:CLC:ADCH#1:STA+URNX,X:LDY6:LDA+MULTP,Y:CLC:ADCH#1
855 STA+URNY,X:RTS
859 /-----
860 +LIGHT LDA+FLOOR:BNE+LI2
861 LDA+LIGHTTIMER:BEQ+LI1:DEC+LIGHTTIMER:RTS:+LI1 LDA+MATCHES:BEQ+LI2
862 LDA56320:AND#16:BNE+LI2:DEC+MATCHES:JSR+DRAWMATCHES:LDA#255:STA+LIGHTTIMER
863 +LI2 RTS
864 :
865 +LIGHTTIMER BYT0
899 /-----
900 +SCARED LDA53278:STA2:AND#1:BEQ+SC1:LDA2:AND#14:BNE+SC2:+SC1 RTS
901 +SC2 LDA#0:STA54276:STA54283:STA+BELL:STA+THUN:STA+SCREEN:JSR+WALLROUTINE
902 LDA+NEWCOLOR:STA+WALLCOLOR:LDA#15:STA53269:JSR+SPINEYES:JSR+LOCATEMONSTERS
903 LDA#0:STA53251:STA53253:STA53255:JSR+SCATTERKEYS
904 LDA#0:STA+JOY:JSR+EYES:LDA#0:STA162:+SC3 LDA162:CMPI#150:BNE+SC3:LDA53278
905 LDA#0:STA+LIGHTTIMER:DEC+LIVES:LDA+LIVES:STA+NUM:LDA#6*8*2:STA2:JSR+NUMBER
906 LDA#0:STA54283:STA54284:STA54276:LDA#240:STA54285:LDA#9:STA54277:RTS
949 /-----
950 +COLLISION LDX+JOY:JSR+COLROU:LDA3:SEC:SBCH#41:STA3:LDA4:SBCH#0:STA4:LDA3:CLC
951 ADC+DIRX,X:STA3:LDA4:ADCH#0:STA4:LDY#40:LDA(3),Y:STA+COLX:BNE+C02:LDA+SBITY
952 CMP+BITX:BEQ+C02:BPL+C01:LDY#0:LDA(3),Y:STA+COLX:JMP+C02:+C01 LDY#80
953 LDA(3),Y:STA+COLX:+C02 JSR+COLROU:LDA3:SEC:SBCH#41:STA3:LDA4:SBCH#0:STA4:LDA3
954 CLC:ADC+DIRY,X:STA3:LDA4:ADCH#0:STA4:LDY#1:LDA(3),Y:BNE+C04:LDA+SBITX
955 CMP+BITX:BEQ+C04:BPL+C03:DEY:JMP+C04:+C03 INY:+C04 LDA(3),Y:STA+COLY
956 BNE+C05:CPY#0:BNE+C04A:INY:+C04A INY:LDA(3),Y:STA+COLY:+C05 JSR+COLROU:LDA3

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