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0  'LEMMINGS DESIGN
1  POKE55,255:POKE56,79:CLR:POKE53280,14:POKE53281,6:PRINT"CLW";
2  :
3  BO= 14:'BORDER COLOR
4  BA= 6:'BACKGROUND COLOR
5  WA= 15:'WALL COLOR
6  GOT050
49 -----
50 SET40960,49151:WRT1:OPZ1,0:BAS20480:PASS1
109 /-----
110 +POKE SEI:LDX#53:STX1:LDA3:AND#127:STA3
111 LDX3:LDY4:LDA+YPOSL,Y:STA5:LDA+YPOSH,Y:STA6:LDA+XOFFSET,X
112 TAY:TXA:AND#3:TAX:STX2:LDA8:CPX#3:BEQ+POEND:CPX#2:BEQ+P02:CPX#1:BEQ+P01
113 TAX:LDA+PT0,X:CLC:BCC+POEND:+P01 TAX:LDA+PT1,X:CLC:BCC+POEND:+P02 TAX
114 LDA+PT2,X:+POEND LDX2:STA2:LDA(5),Y:AND+EXCLUDE,X
115 ORA2:STA(5),Y:LDX#55:STX1:CLI:RTS
116 :
117 +PT2 BYT0,4,8,12:+PT1 BYT0,16,32,48:+PT0 BYT0,64,128,192
120 +EXCLUDE BYT 63,207,243,252
121 +YPOSL:FORZ=1T08:BYT 0,1,2,3,4,5,6,7,64,65,66,67,68,69,70,71
122 BYT 128,129,130,131,132,133,134,135,192,193,194,195,196,197,198,199:NEXTZ
123 +YPOSH:FORZ=224+0T0224+3:BUF8,Z:NEXTZ:FORZ=224+5T0224+8:BUF8,Z:NEXTZ
124 FORZ=224+10T0224+13:BUF8,Z:NEXTZ:FORZ=224+15T0224+18:BUF8,Z:NEXTZ
125 FORZ=224+20T0224+23:BUF8,Z:NEXTZ:FORZ=224+25T0224+28:BUF8,Z:NEXTZ
126 FORZ=224+0T0224+3:BUF8,Z:NEXTZ:FORZ=224+5T0224+8:BUF8,Z:NEXTZ
127 +XOFFSET:FORZ=0T0248STEP8:BUF4,Z:NEXTZ
139 /-----
140 +START LDA#147:JSR65490
141 LDA#204:STA648:LDA#B0:STA646:LDA#147:JSR65490:JSR+FILLSCREEN
142 JSR+CLEARWINDOW
143 :
144 :
145 LDA#63:STA56578:LDA#196:STA56576:LDA#56:STA53272
146 LDA#216:STA53270:LDA#59:STA53265:LDA#30:LDX#0:+SS1 STA52224,X
147 STA52480,X:STA52736,X:STA52968,X:INX:CPX#0:BNE+SS1:LDA#B0
148 STA53280:LDA#BA:STA53281:JSR+SETUPSPRITES
149 :
150 +LOOP JSR+PAUSE:JSR+MOVEPOINTER:JSR+PUSHBUTTON:LDA#0:STA2:JSR65508
151 CMP#95:BEQ+END:CMP#83:BNE+LOOP1:JSR+SAVESCREEN:LDA#1:STA2:JMP+END
152 +LOOP1 CMP#76:BNE+LOOP2:JSR+LOADSCREEN:JMP+LOOP
153 +LOOP2 CMP#32:BNE+LOOP:LDA53287:AND#15:CMP#1:BEQ+LOOP3:LDA#1:STA53287
154 JMP+LOOP:+LOOP3 LDA#14:STA53287:JMP+LOOP
155 :
160 +END LDA#4:STA648:RTS

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161 :
170 +PAUSE LDX#0: +PAUSE1 LDY#0: +PAUSE2 INY: CPY#128: BNE+PAUSE2: INX: CPX#6
171 BNE+PAUSE1: RTS
209 /-----
210 +FILLSCREEN
211 LDA#0: STA3: LDA#224: STA4: LDA#255: LDX#0: LDY#0: +FS1 STA(3), Y: INY
212 CPY#0: BNE+FS1: INC4: INX: CPX#31: BNE+FS1: +FS2 STA(3), Y: INY: CPY#192: BNE+FS2
213 RTS
214 :
215 +CLEARWINDOW
216 LDA#0: STA3: LDA#224: STA4: LDX#0: +CW0 LDY#0: +CW1 LDA#0: STA(3), Y: INY
217 CPY#0: BNE+CW1: LDA3: CLC: ADC#64: STA3: LDA4: ADC#1: STA4: INX: CPX#16: BNE+CW1
218 :
219 LDA#0: STA3: LDA#216: STA4: LDX#0: +CW2 LDY#0: +CW3 LDA#WA: STA(3), Y: INY: CPY#32
220 BNE+CW3: LDA3: CLC: ADC#40: STA3: LDA4: ADC#0: STA4: INX: CPX#16: BNE+CW2: RTS
229 /-----
230 +PEEK SEI: LDX#53: STX1: LDA3: AND#127: STA3
231 LDX3: LDY4: LDA+YPOSL, Y: STA5: LDA+YPOSH, Y: STA6: LDA+XOFFSET, X
232 TAY: TXA: AND#3: TAX: LDA(5), Y: AND+MASK, X: LDX#0: +PEEK1 CMP+SEARCH1, X: BEQ+PEEK2
233 INX: CPX#13: BNE+PEEK1: LDX#0: +PEEK2 LDA+SEARCH2, X: LDX#55: STX1: CLI: CMP#3
234 RTS: +MASK BYT192, 48, 12, 3
235 +SEARCH1 BYT0, 3, 12, 48, 192, 1, 2, 4, 8, 16, 32, 64, 128
236 +SEARCH2 BYT0, 3, 3, 3, 3, 1, 2, 1, 2, 1, 2, 1, 2
439 /-----
440 +SETUPSPRITES LDA#0: STA826: STA827: LDA#12: STA840
441 LDX#0: +SUS LDA+SDATA, X: STA65344, X: INX: CPX#64: BNE+SUS
442 LDA#24: STA53248: LDA#50: STA53249: LDA#253: STA53240: LDA#1: STA53287
443 LDA#1: STA53269: LDA#0: STA53271: STA53277: STA53264: RTS
444 :
450 +SDATA BYT252, 0, 0, 240, 0, 0, 204, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 0: BUF46, 0
459 /-----
460 +MOVEPOINTER LDX840: INC827: LDA827: CMP+POSP, X: BEQ+MP1: RTS: +MP1 LDA#0: STA827
461 LDA56320: AND#15: STA2: CMP#15: BNE+MP2: LDA#12: STA840: RTS: +MP2
462 LDA840: CMP#1: BEQ+MP3: DEC840: +MP3 LDA2
463 CMP#10: BEQ+POL: CMP#11: BEQ+POL: CMP#9: BEQ+POL: CMP#6: BEQ+POR: CMP#7: BEQ+POR
464 CMP#5: BEQ+POR: JMP+MOUP1: +POL LDA826: CMP#0: BEQ+MOUP1: LDA53248: CLC: SBC#1
465 STA53248: DEC826: JSR+PROUT: CLC: BCC+MOUP1: +POR LDA826: CMP#127: BEQ+MOUP1
466 LDA53248: CLC: ADC#2: STA53248: INC826: JSR+PROUT: +MOUP1 LDA2
467 CMP#10: BEQ+POU: CMP#14: BEQ+POU: CMP#6: BEQ+POU: CMP#9: BEQ+POD: CMP#13: BEQ+POD
468 CMP#5: BEQ+POD: JMP+MOUP2: +POU LDA53249: CMP#50: BEQ+MOUP2: CLC: SBC#0: STA53249
469 CLC: BCC+MOUP2: +POD LDA53249: CMP#177: BEQ+MOUP2: CLC: ADC#1: STA53249
470 +MOUP2 RTS
471 +PROUT LDA826: CMP#116: BPL+PR1: LDA#0: STA53264: RTS: +PR1 LDA#1: STA53264: RTS
472 :

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473 +POSP BYT0,2,3,3,3,3,5,5,5,7,9,15,15
499 /-----
500 +PUSHBUTTON LDA56320:AND#16:BEQ+PB1:RTS:+PB1 LDA#3:STA8:LDA53287:AND#15
501 CMP#1:BEQ+PB2:LDA#0:STA8:+PB2 LDA826:STA3:LDA53249:CLC:SBCH#49:STA4:JSR+POKE
502 RTS
503 /-----
600 +SAVESCREEN SEI:LDA#53:STA1:LDX#0:+SAS1 FORZ=0TO4864STEP256:LDA57344+Z,X
601 STA24576+Z,X:NEXTZ:INX:CPX#0:BNE+SAS1:LDA#55:STA1:CLI:RTS
899 /-----
900 +NAME BYT"LEM LEU ***":A=+NAME
901 +LOADSCREEN LDA#3:LDX#8:LDY#0:JSR65466
902 LDA#11:LDX#(A-INT(A/256)*256):LDY#(INT(A/256)):JSR65469
903 LDA#0:LDX#0:LDY#224:JSR65493:RTS
997 /-----
998 PASS2:GOSUB3000:SYS+START:GOTO2000
999 -----
1000 SAVE"00:LEMMINGS DESIGN",8:END
1999 -----
2000 IFPEEK(2)=0THEN2007
2001 F$="LEM LEU "+LE$:M1=24576:M2=M1+40*16*8
2002 OPEN15,8,15,"S0:"+F$:CLOSE15:A$=F$:Z=PEEK(53)+256*PEEK(54)-LEN(A$)
2003 POKE782,Z/256:POKE781,Z-PEEK(782)*256:POKE780,LEN(A$):SYS65469
2004 POKE780,1:POKE781,8:POKE782,1:SYS65466:POKE254,M1/256
2005 POKE253,M1-PEEK(254)*256:POKE780,253:POKE782,M2/256
2006 POKE781,M2-PEEK(782)*256:SYS65496
2007 POKE631,5:POKE198,1:SYS2048
2999 -----
3000 PRINT"LEVEL NO. ":A$="":POKE198,0
3001 PRINT"  "":FORZ=1TO60:GETK$:IFK$<>""THEN3003
3002 NEXTZ:PRINT"  "":FORZ=1TO60:GETK$:IFK$="""THENNEXTZ:GOTO3001
3003 Z=60:NEXTZ:PRINT"  "":IFK$=CHR$(13)ANDA$<>""THEN3007
3004 IFK$=CHR$(20)ANDA$<>""THENPRINTK$;:A$=LEFT$(A$,LEN(A$)-1):GOTO3001
3005 IFK$<"0"ORK$>"9"ORLEN(A$)=3THEN3001
3006 PRINTK$;:A$=A$+K$:GOTO3001
3007 LE$=RIGHT$("00"+A$,3)
3008 FORZ=1TO3:POKE+NAME+7+Z,ASC(MID$(LE$,Z,1)):NEXTZ:RETURN

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