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```
1 'Jonathan Duke
2 'Project #7
3 ' ($STAMP BSZ)
4 ' ($PERSIC 2.5)
5 counter VAR Word
6 counter! VAR Word
7 rright VAR Nib
9 Green PIN 15
10 Yellow PIN 14
11 Red PIN 13
12 Right PIN 10
13 Left PIN 9
14
15 Low Red
17 Low Yellow
18 LoW Green
19
20 Right = 0
21 Left = 0
20 COUTL = %00000000
23 DIRL = %1111111
24
25 DO
26 GOSUB Main
27 LOOP
28
29 Main:
30 DO
31 FOR counter = 0 TO 65535
32 GOSUB Lzero
33 GOSUB Rzero
43 IF INI2-1 THEN
55 FOR counter = 0 TO 62
66 GOSUB Start
40 ENDIF
41 NEXT
42 LOOP
43
44 Start:
45 DO
46 FOR counter = 61 THEN
47 FINI2-1 THEN
48 Fright=rright+1
49 If roight=rright+1
49 If roight=rright+1
49 If Fright = 10 THEN rright=0
50 ENDIF
51 IF INI1-1 THEN
52 PAUSE 200
53 GOSUB weeset
54 ENDIF
55 IF INI2-1 THEN
56 PAUSE 200
57 GOSUB RAT
57 GOSUB Weeset
58 ENDIF
59 GOSUB Leftcycle
60 GOSUB Rightcycle
61 NEXT
62 IF rright = 9 THEN
63 lleft=lleft+1
64 IF Ileft = 6 THEN
65 lleft = 0
```

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Project 7.bs2

66 counter1 = counter1 + 1

67 IF counter1 = 4 THEN counter1=0

68 GOSUB LEDcontro1

69 ENDIF

70 ENDIF

71 LOOP

72

73 LeftCycle:

74 IF lleft = 0 THEN GOSUB Lzero

75 IF lleft = 1 THEN GOSUB Lone

76 IF lleft = 2 THEN GOSUB Ltwo

77 IF lleft = 3 THEN GOSUB Lthree

78 IF lleft = 4 THEN GOSUB Lthree

78 IF lleft = 4 THEN GOSUB Ltour

79 IF lleft = 5 THEN GOSUB Ltour

90 IF lleft = 5 THEN GOSUB Lfive

80 RETURN

81
81
82
83 RightCycle:
84 If rright = 0 THEN GOSUB Rone
85 IF rright = 1 THEN GOSUB Rtwo
86 IF rright = 2 THEN GOSUB Rthree
87 IF rright = 3 THEN GOSUB Rfore
88 IF rright = 4 THEN GOSUB Rfive
89 IF rright = 5 THEN GOSUB Rsix
90 IF rright = 6 THEN GOSUB Rseven
91 IF rright = 7 THEN GOSUB Reight
92 IF rright = 8 THEN GOSUB Rnine
93 IF rright = 9 THEN GOSUB Rreco
94 RETURN
95
92 IF rright = 8 THEN GOSUB |
93 IF rright = 9 THEN GOSUB |
94 RETURN
95
95 LEDCONTROL:
97 IF COUNTERL THEN
98 LOW Red
99 LOW Yellow
100 HIGH Green
101 ENDIF
102 IF COUNTERL THEN
103 LOW Red
104 HIGH Yellow
105 LOW Green
106 ENDIF
107 IF COUNTERL THEN
108 HIGH Red
109 LOW Yellow
110 LOW Green
111 ENDIF
112 RETURN
113
114 Weeset:
115 LOW Red
116 LOW Yellow
117 LOW Green
118 COUNTERL THEN
119 DO
120 FOR COUNTERL THEN
121 GOSUB LZERO
123 IF IN12-1 THEN
124 rright=0
125 Ileft=0
125 Ileft=0
126 FOR COUNTERL O TO 38
127 GOSUB LZERO
128 GOSUB RZERO
129 NEXT
130 GOSUB START
131 GOSUB START
130 GOSUB START
130 GOSUB START
130 GOSUB START
131 GOSUB START
130 GOSUB START
131 GOSUB START
140 GOSUB START
1
```

```
131 ENDIF
132 NEXT
133 LOOP
134
135 paws:
136 DO
137 FOR COUNTEY = 0 TO 700
138 IF rright = 0 THEN GOSUB RONE
139 IF rright = 1 THEN GOSUB REVO
140 IF rright = 1 THEN GOSUB REVO
141 IF rright = 2 THEN GOSUB REVO
142 IF rright = 4 THEN GOSUB REVO
142 IF rright = 4 THEN GOSUB REVO
143 IF rright = 6 THEN GOSUB REVO
144 IF rright = 6 THEN GOSUB REVO
145 IF rright = 7 THEN GOSUB REVO
146 IF rright = 7 THEN GOSUB REVO
147 IF rright = 9 THEN GOSUB REVO
148 IF 11eft = 1 THEN GOSUB LEVO
149 IF 11eft = 1 THEN GOSUB LEVO
151 IF 11eft = 3 THEN GOSUB LEVO
151 IF 11eft = 3 THEN GOSUB LEVO
152 IF 11eft = 5 THEN GOSUB LEVO
153 IF 11eft = 5 THEN GOSUB LEVO
154 IF INI2=1 THEN
155 PAUSE 200
156 GOSUB LEDCONTO
157 RETURN
158 ENDIF
159 IF INI1=1 THEN GOSUB Weeset
160 NEXT
161 LOW Red
162 LOW Yellow
163 LOW Green
164 LOOP
165
166 LZerO:
167 OUTL = %11111100
168 LOW Left
175 HIGH Left
176 RETURN
177
178 LTURN
179
179 LOUTL = %10110101
180 LOW Left
181 HIGH Left
188 RETURN
189
189
190 LEFURN
191 UTL = %01100110
192 LOW Left
188 RETURN
193
194 Lthree:
195 UFT = %11110110
196 LOW Left
197 HIGH Left
188 RETURN
199 UTL = %11110110
191 OUTL = %11101101
192 LOW Left
193 HIGH Left
194 RETURN
195
```

```
196 Live:
197 OUTL = %10110110
198 LOW Left
199 HIGH Left
200 RETURN
201
202 Rzero:
203 OUTL = %1111110
204 LOW Right
206 RETURN
207
208 Rone:
209 OUTL = %01100000
201 LOW Right
211 HIGH Right
212 RETURN
213
214 Rtwo:
215 OUTL = %1101101
216 LOW Right
217 HIGH Right
218 RETURN
219
220 Rthree:
221 OUTL = %11011010
222 LOW Right
223 HIGH Right
224 RETURN
225
226 Rfour:
227 OUTL = %01100110
228 LOW Right
229 HIGH Right
230 RETURN
231
232 RIGH Right
234 RETURN
235
236 RETURN
237
237 OUTL = %01100110
238 LOW Right
239 HIGH Right
240 RETURN
231
232 RIGH Right
233 OUTL = %0110110
234 LOW Right
235 HIGH Right
236 RETURN
237
237
238 RSIVE:
238 OUTL = %0111110
244 LOW Right
247 HIGH Right
248 RETURN
249
249 RETURN
241
244 RSEVEN:
245 OUTL = %11100000
246 LOW Right
247 HIGH Right
248 RETURN
249
249
250 Reight:
250 Reight:
251 OUTL = %1111110
252 LOW Right
253 HIGH Right
254 RETURN
255
256 Raine:
257 OUTL = %11100110
258 LOW Right
259 HIGH Right
259 HIGH Right
259 HIGH Right
259 HIGH Right
250 Reight:
251 OUTL = %1110110
252 LOW Right
253 HIGH Right
254 RETURN
255
256 Raine:
257 OUTL = %11100110
258 LOW Right
259 HIGH Right
250 RETURN
```