## Project 8.bs2 Page 1/4

```
1 'Jonathan Duke
2 'Project #8
3 ' ($STAMP BS2)
4 ' ($PERSIC 2.5)
5 time VAR Word
6 counter VAR Word
7 billclinton VAR Word
8 paws VAR Word
9 rright VAR Nib
10 lleft VAR Nib
11 istg VAR Nib
11 istg VAR Nib
12 Right FIN 14
13 Left FIN 15
14 DIRL = %1111111
15 rright = 0
16 lleft = 0
17
18 DO
19 GOSUB Main
20 LOOP
21
22 Main:
23 DO
24 GOSUB racecartime
25 GOSUB Leftcycle
26 GOSUB Rightcycle
27 IF lleft >=3 AND rright >=5 THEN
28 FOR counter = 0 TO 20
29 GOSUB Leftcycle
30 GOSUB Leftcycle
30 GOSUB Rightcycle
31 GOSUB racecartime
32 NEXT
33 FOR counter = 0 TO 20
34 GOSUB racecartime
35 NEXT
36 ENDIF
37 LOOP
38
40 racecartime:
41 HIGH 13
42 RCTIME 13, 1, time
43 IF time > 1500 THEN
44 rright = rright + 1
45 IF rright=10 THEN lleft=lleft+1
46 IF rright=10 THEN lright = 0
47 IF lleft = 4 AND rright = 0 THEN
48 GOSUB Servoup
49 FOR counter = 0 TO 1500
50 GOSUB LFOUr
51 GOSUB RZEPO
52 NEXT
53 GOSUB Servodown
54 lleft=0
55 rright=0
56 GOSUB Main
57 ENDIF
58 ENDIF
58 ENDIF
59 IF time > 1500 THEN
60 DO
61 HIGH 13
62 RCTIME 13, 1, time
63 GOSUB Leftcycle
65 billclinton = billclinton + 1
```

## Project 8.bs2 Page 2/4

```
66 IF billclinton = 500 THEN
67 billclinton = 0
68 GOSUB eightyeight
69 ENDIF
70 LOOP UNTIL time < 1500
71 ENDIF
72 RETURN
73
74 Leftcycle:
75 IF lleft = 0 THEN GOSUB Lzero
76 IF lleft = 1 THEN GOSUB Ltore
77 IF lleft = 2 THEN GOSUB Ltore
78 IF lleft = 2 THEN GOSUB Ltore
79 IF lleft = 2 THEN GOSUB Ltore
80 RETURN
81
82 Rightcycle:
83 IF rright = 0 THEN GOSUB Rezero
84 IF rright = 1 THEN GOSUB REZERO
85 IF rright = 1 THEN GOSUB REZERO
86 IF rright = 3 THEN GOSUB REZERO
87 IF rright = 5 THEN GOSUB REZERO
88 IF rright = 5 THEN GOSUB REZERO
89 IF rright = 5 THEN GOSUB REZERO
91 IF rright = 6 THEN GOSUB REZERO
91 IF rright = 7 THEN GOSUB REZERO
91 IF rright = 8 THEN GOSUB REZERO
91 IF rright = 9 THEN GOSUB REZERO
91 IF rright = 9 THEN GOSUB REZERO
91 IF REZERO
92 IF REZERO
94 GOSUB REZERO
95 GOSUB REZERO
96 COUTL = %1111110
97 DO
98 LOW Left
99 LOW Right
100 FOR counter = 0 TO 20
101 HIGH 13
102 RCTIME 13, 1, time
103 NEXT
104 HIGH Left
105 HIGH Right
106 FOR counter = 0 TO 20
107 HIGH 13
108 RCTIME 13, 1, time
109 NEXT
110 LOOP UNTIL time < 2750
111 REZURN
112
113 SERVOGOWN:
114 FOR COUNTER = 0 TO 20
116 PAUSE 20
117 GOSUB LFOUR
121 GOSUB REZERO
122 SERVOUP:
123 FOR COUNTER = 0 TO 20
124 FULSOUT 12, 1250
125 PAUSE 20
126 IF lleft = 4 AND rright = 0 THEN
128 GOSUB REZERO
129 ENDIF
130 NEXT
```

```
131 RETURN
132
133 LZECC:
134 OUTL = %11111100
135 LOW LEFT
136 HIGH LEFT
137 RETURN
138
139 LONE:
140 OUTL = %01100000
141 LOW LEFT
142 HIGH LEFT
143 RETURN
144
145 LEWC:
146 OUTL = %1101101
147 LOW LEFT
148 HIGH LEFT
148 HIGH LEFT
149 RETURN
150
151 Lthree:
152 OUTL = %11110010
153 LOW LEFT
154 HIGH LEFT
155 RETURN
156
157 LFOURT
158 OUTL = %01100110
159 LOW LEFT
160 HIGH LEFT
161 RETURN
162
163 RZECC:
164 OUTL = %1111110
165 LOW RIGHT
166 HIGH RIGHT
167 RETURN
168
169 RONE:
170 OUTL = %01100100
171 LOW RIGHT
173 RETURN
174
175 REWC:
176 OUTL = %1101101
177 LOW RIGHT
178 HIGH RIGHT
179 RETURN
180
181 RETURN
186
187 RETURN
188 OUTL = %1110110
181 LOW RIGHT
188 ROUTL = %1110110
183 LOW RIGHT
184 RIGH RIGHT
187 RETURN
188 OUTL = %1110110
189 LOW RIGHT
191 RETURN
192
193 RÉTURN
192
194 OUTL = %10110110
195 LOW RIGHT
```

Project 8.bs2 Page 4/4

```
196 HIGH Right
197 RETURN
198
198 Rsix:
200 OUTL = %00111110
201 LOW Right
202 HIGH Right
202 HIGH Right
205 RSEVEN:
206 OUTL = %11100000
207 LOW Right
208 HIGH Right
209 RETURN
210
211 Reight:
212 OUTL = %11111110
213 LOW Right
214 HIGH Right
215 RETURN
216
217 Raine:
218 OUTL = %11100110
219 LOW Right
220 HIGH Right
221 HIGH Right
222 HIGH Right
223 LETURN
224 LETURN
225 LETURN
226 LETURN
227 LETURN
228 LETURN
229 LETURN
220 LETURN
221 RETURN
222 LETURN
222 LETURN
223 LETURN
224 LETURN
225 LETURN
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228 LETURN
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229 LETURN
220 LETURN
221 RETURN
222 LETURN
22
```