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1 'Jonathan Duke
2 'Project #1
3 ' ($$TAMP BS2)
4 ' ($PBASIC 2.5)
5 ' Start DO LOOP
6 DO
7
8     ' 0-2 N-S
9     '      0-r 1-y 2-g
10    ' 3-5 S-N
11    '      3-r 4-y 5-g
12    ' 6-8 W-E
13    '      6-r 7-y 8-g
14    ' 9-11 E-W Left turn
15    '      9-r 10-y 11-g
16    ' 12-14 E-W
17    '      12-r 13-y 14-g
18 ' All lights red for 2 sec
19 HIGH 0:HIGH 3:HIGH 6:HIGH 9:HIGH 12
20 PAUSE 2000
21 ' Left arrow E-W start
22 LOW 9:HIGH 11:LOW 12:HIGH 14
23 ' Finish left arrow
24 PAUSE 2000
25 LOW 11:HIGH 10
26 PAUSE 2000
27 LOW 10:HIGH 9
28 ' Clear intersection E-W W-E turns green
29 PAUSE 2000
30 LOW 12:HIGH 8:HIGH 14
31 PAUSE 2000
32 ' Finish E-W W-E & clear intersection
33 LOW 8:LOW 14:HIGH 7:HIGH 13
34 PAUSE 2000
35 LOW 7:LOW 13:HIGH 6:HIGH 12
36 PAUSE 2000
37 ' N-S S-N turn green and completes a r-g sequence
38 LOW 0:LOW 3:HIGH 2:HIGH 5
39 PAUSE 2000
40 LOW 2:LOW 5:HIGH 1:HIGH 4
41 PAUSE 2000
42 LOW 1:LOW 4:HIGH 0:HIGH 3
43 'Finish DO LOOP
44 LOOP
45
46
47
48
49
50
51
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