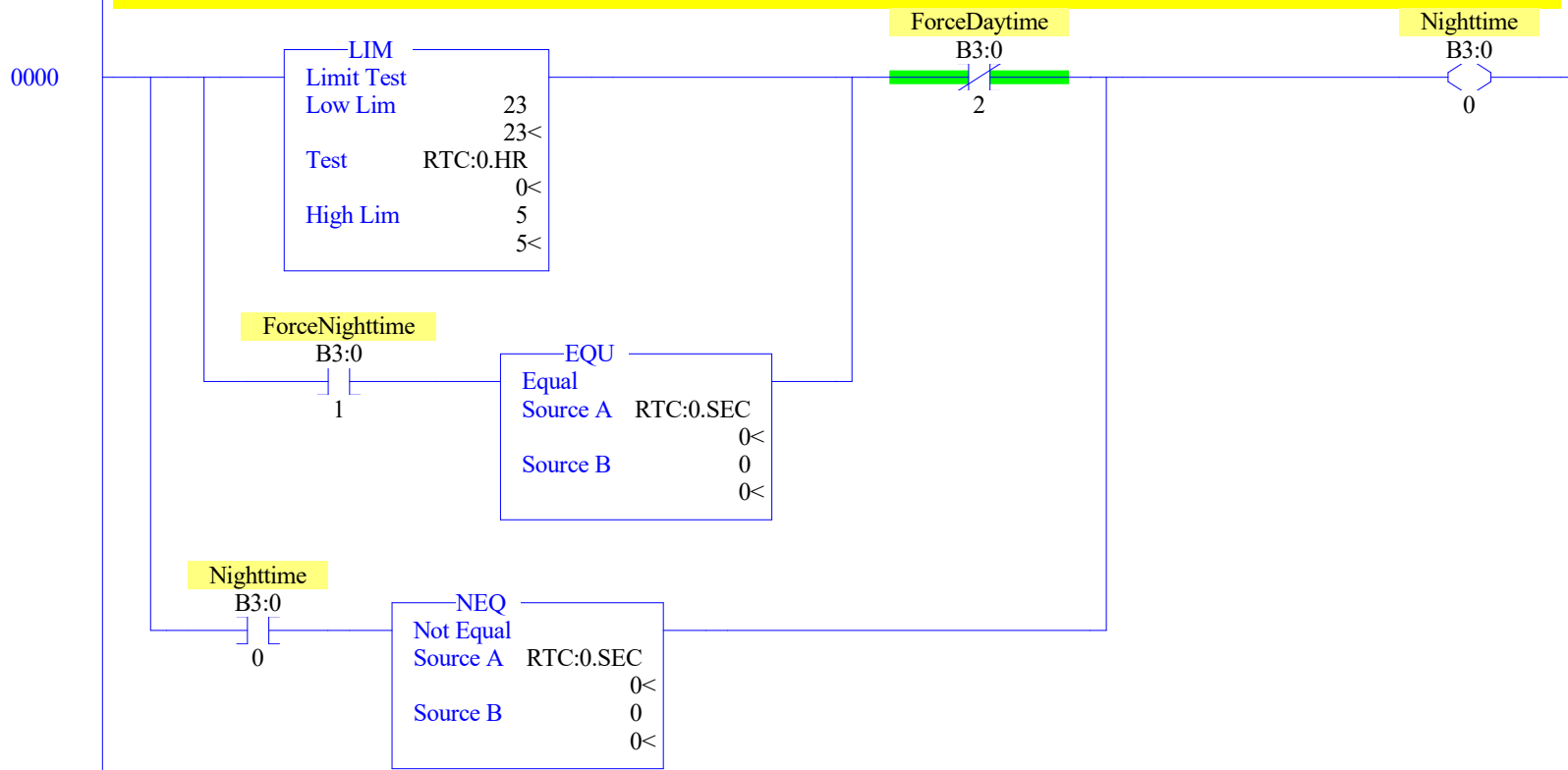


Cf. <https://www.plctalk.net/qanda/showthread.php?t=130748>

Minimal two-way traffic lights, with overlap of reds

Rung 0000 controls daytime (green-yellow-red sequence) vs. nighttime (yellow flashing for one path; red on solid the other path) operation



During the day Path 1 is either

- RED from HR:MN:28 to HR:MN:59+

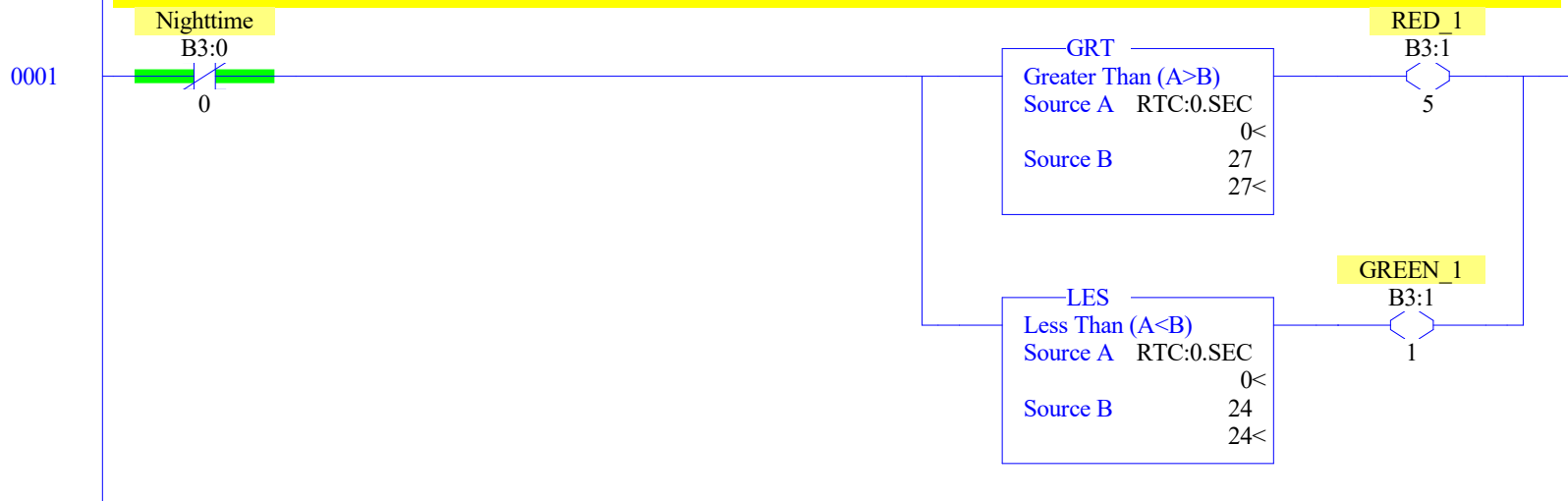
OR

- GREEN from HR:MN:00 to HR:MN:23+

OR

- YELLOW solid (day) or flashing (night)

- Cf. next rung 0002

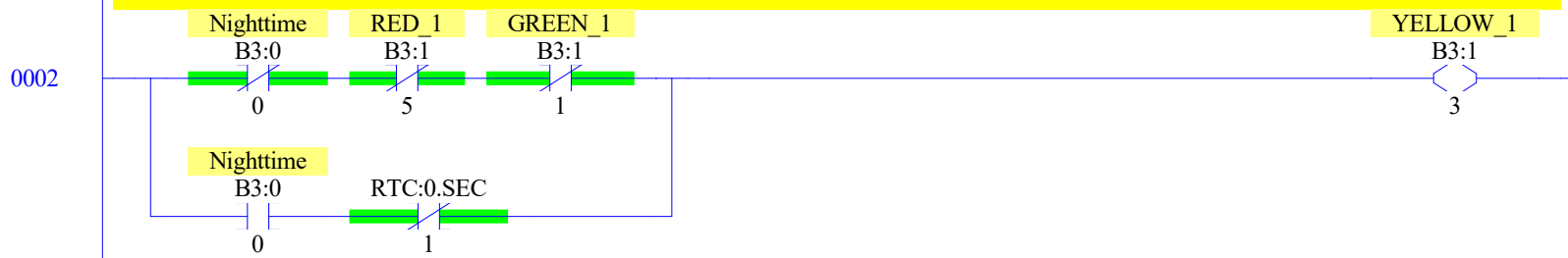


Path 1 is YELLOW either

- Solidly During the day AND when neither RED nor GREEN (cf previous rung 0001)

OR

- Flashing at night at 0.25Hz with a 50% duty cycle

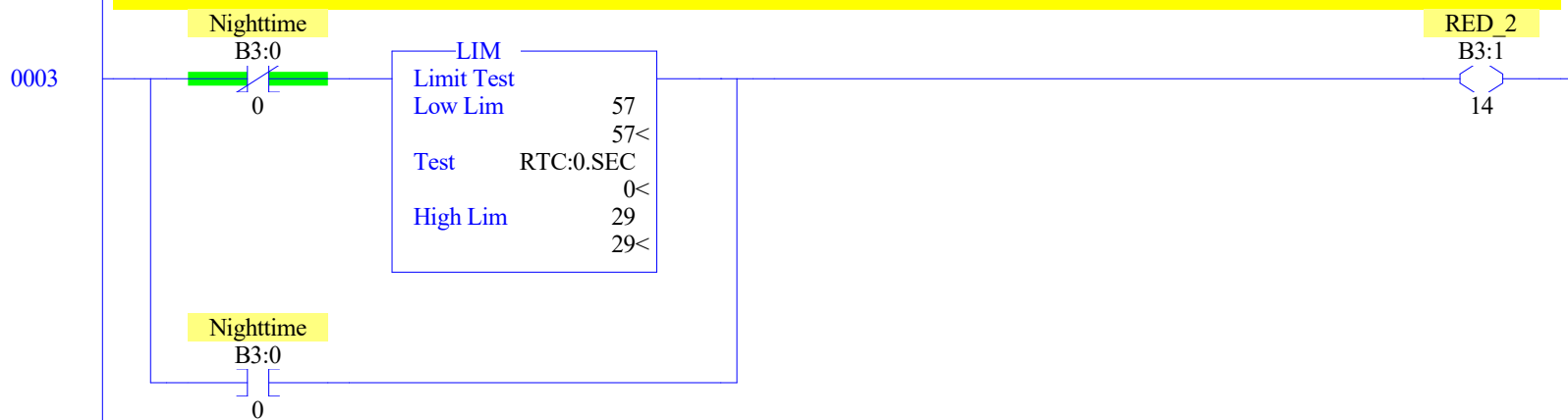


Path 2 is RED either

- During the day from HR:MN:58 to HR:MN:29+ i.e. through the top of the minute HR:MN:00

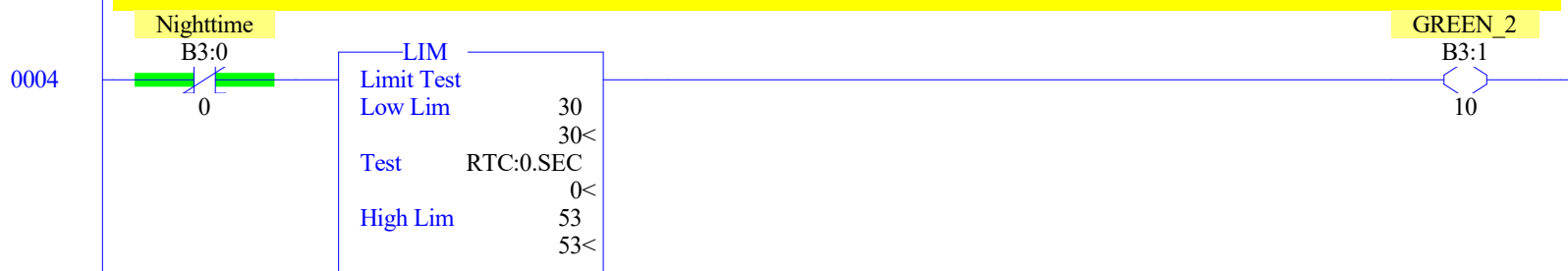
OR

- At night



Path 2 is GREEN

- During the day from HR:MN:30 to HR:MN:53+



Path 2 is YELLOW

- When it is neither RED nor GREEN (cf. previous two rungs, 0003 and 0004)

