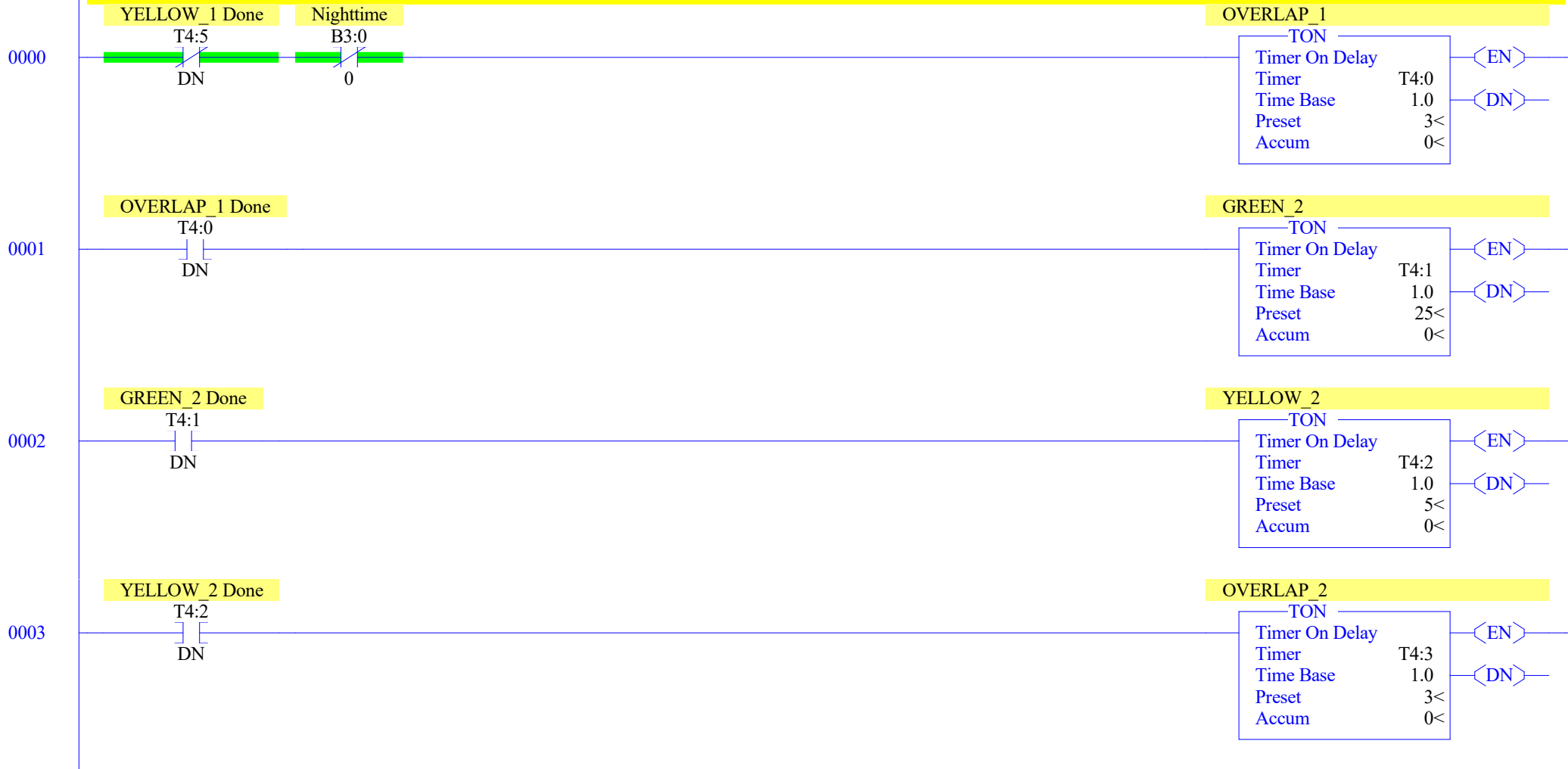


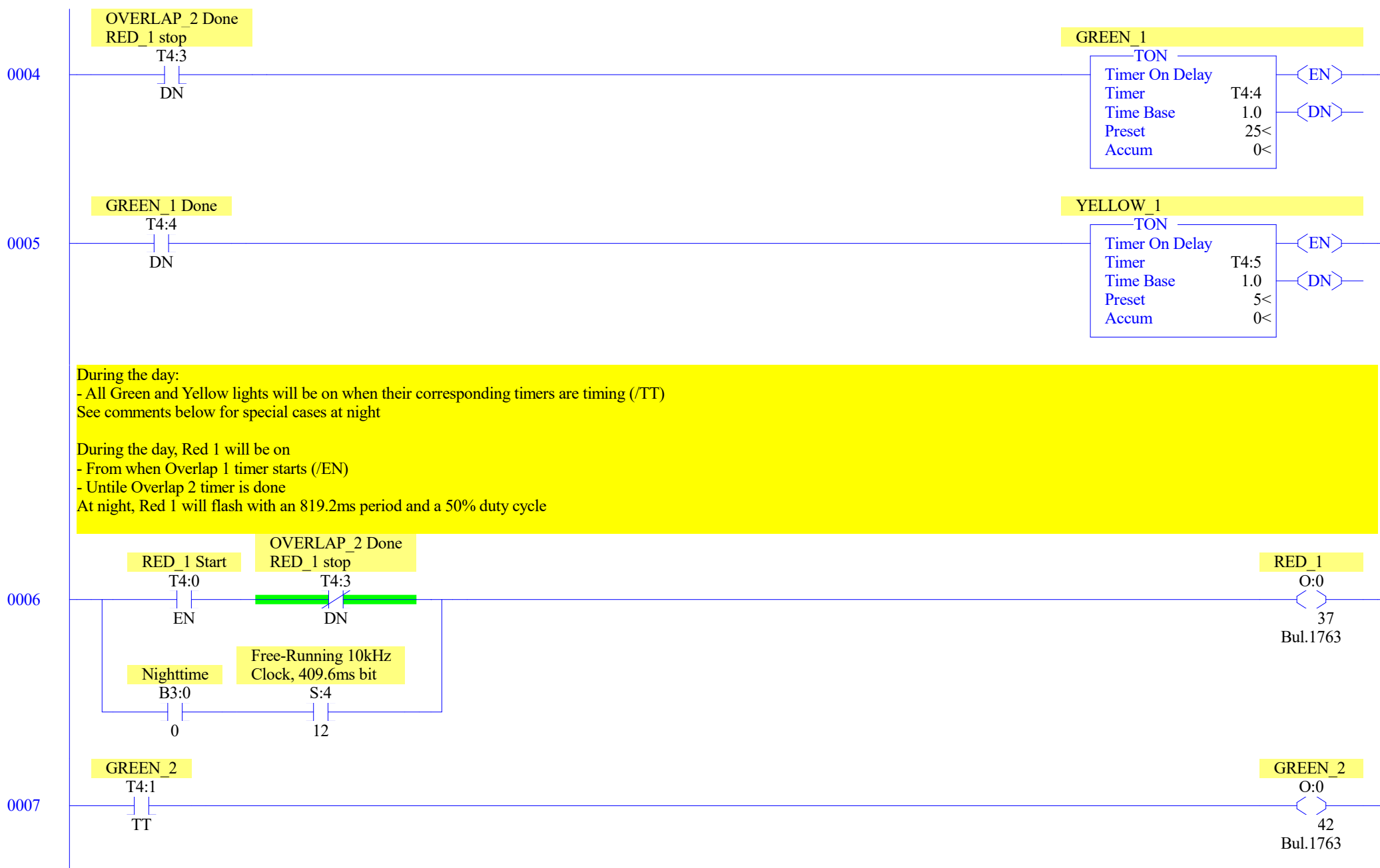
Cf. <https://www.plctalk.net/qanda/showthread.php?t=130748>

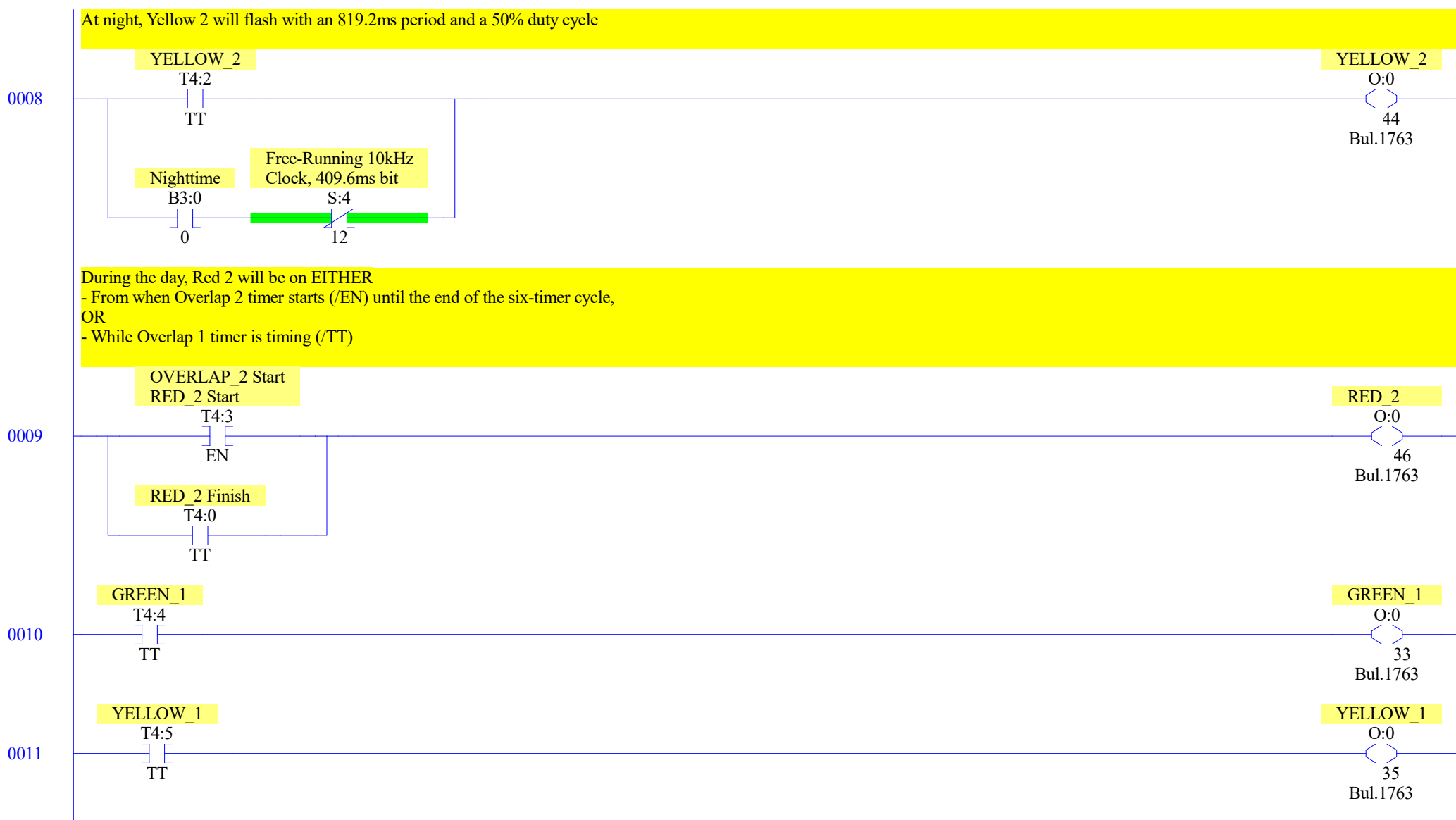
## Minimal two-way traffic lights

Six sequential timers:

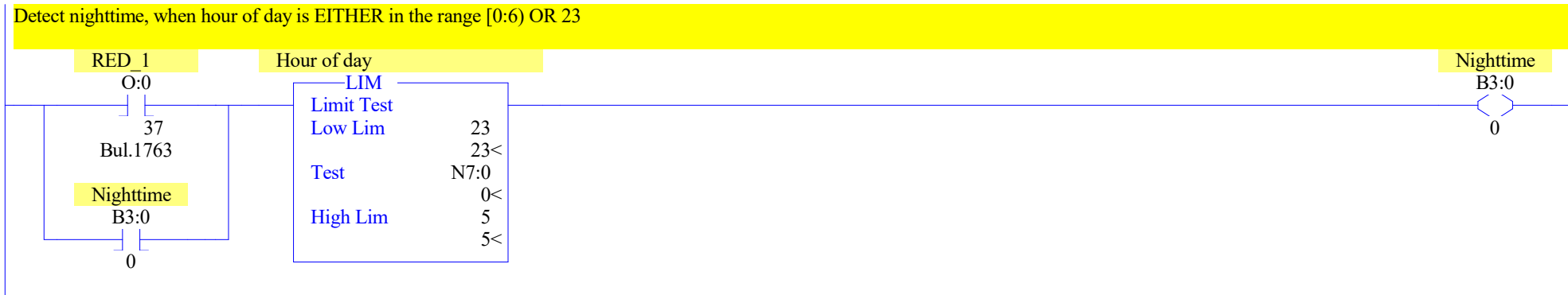
- 3s Overlap 1; Red 1 start and Red 2 end i.e. overlapped Reds
- 25s Green 2
- 5s Yellow 2
- 3s Overlap 2; Red 2 start and Red 1 end i.e. overlapped Reds
- 25s Green 1
- 5s Yellow 2







0012



Code to determine hour of day

- If N7:1 is outside the range [0:23], then use the hour value from the PLC Real-Time Clock (RTC:0.HR)

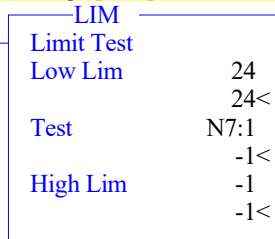
- Default value of N7:1 is -1, so the RTC is the default source

- For testing, if N7:1 in the range [0:24), then use it as the hour of day

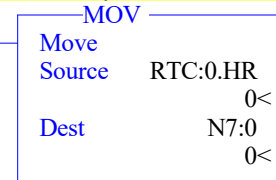
- Also, at start of every odd minute-of-hour, increment N7:1, including wrap-around from 23 to 0

0013

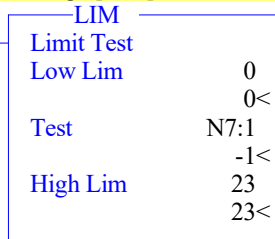
Hour of day override  
if in range [0:23]



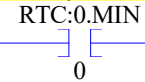
Hour of day



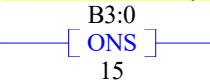
Hour of day override  
if in range [0:23]



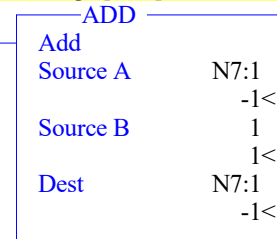
Two-minute  
cycle



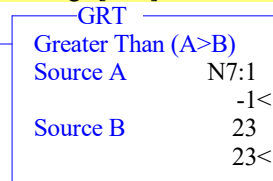
One-shot memory



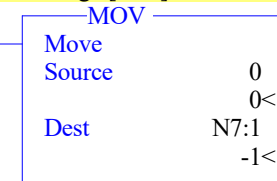
Hour of day override  
if in range [0:23]



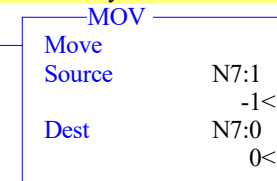
Hour of day override  
if in range [0:23]



Hour of day override  
if in range [0:23]



Hour of day



LAD 2 - --- Total Rungs in File = 15

0014

&lt;END&gt;