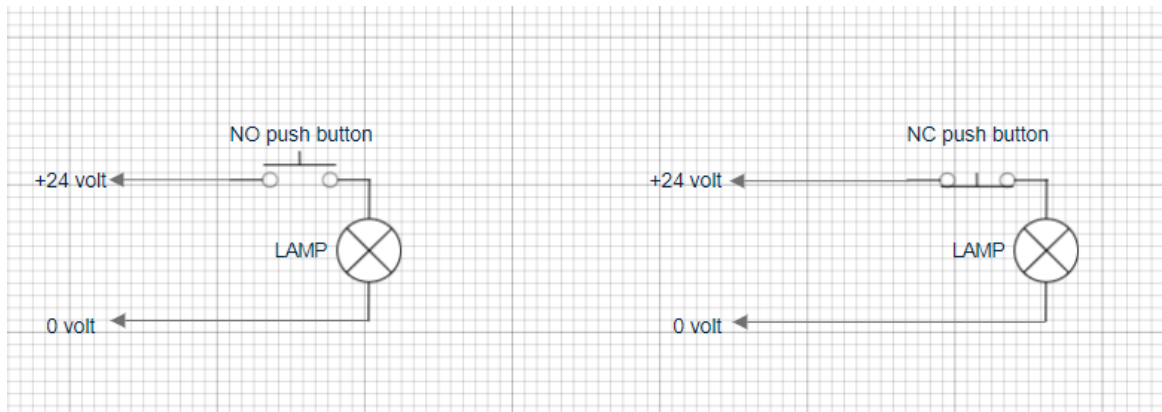
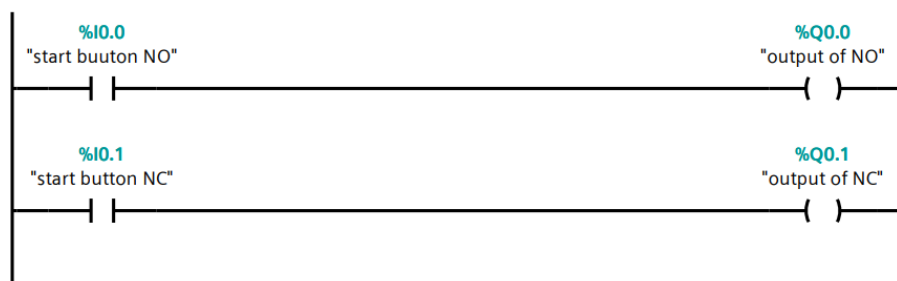


NETWORK 1 – turn on & turn off LED with NO & NC push buttons

ELECTRICAL DIAGRAM

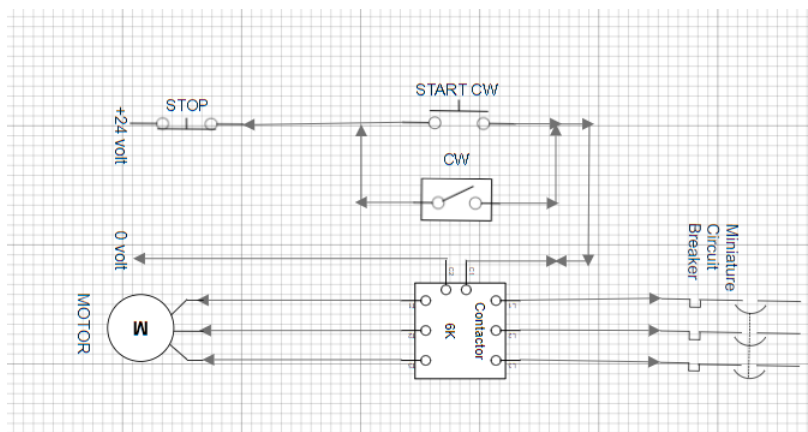


CONTROL DIAGRAM

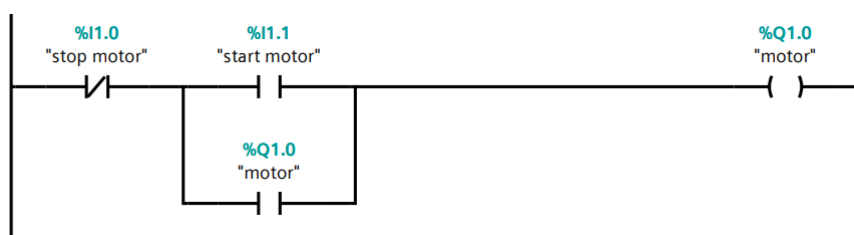


NETWORK 2 – turn on & turn off motor with NO push buttons

ELECTRICAL DIAGRAM

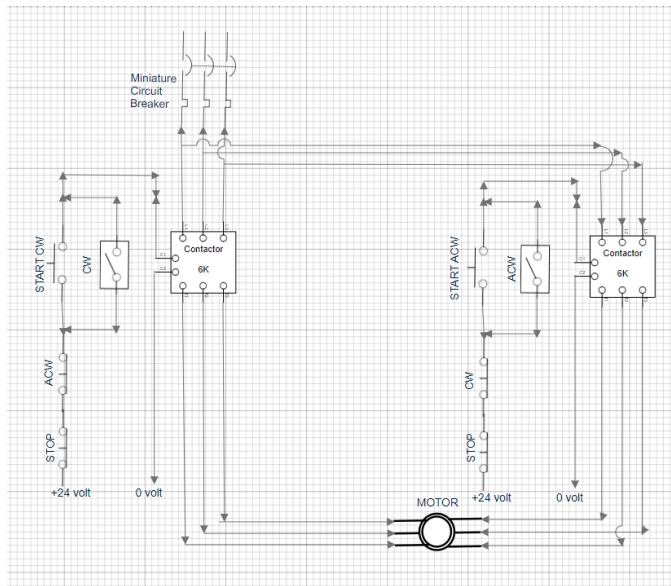


CONTROL DIAGRAM

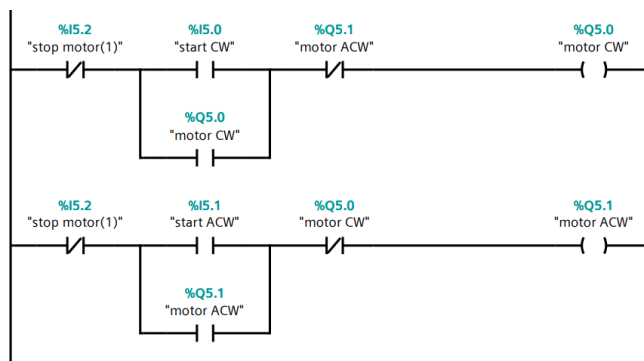


NETWORK 3 – write ladder logic to implement interlock mechanism of motor

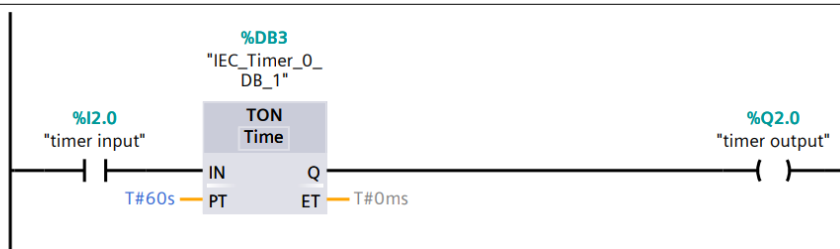
ELECTRICAL DIAGRAM



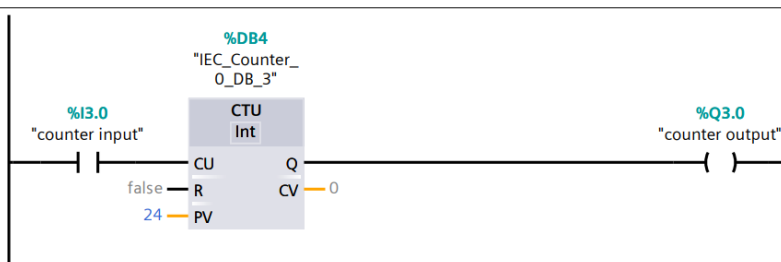
CONTROL DIAGRAM



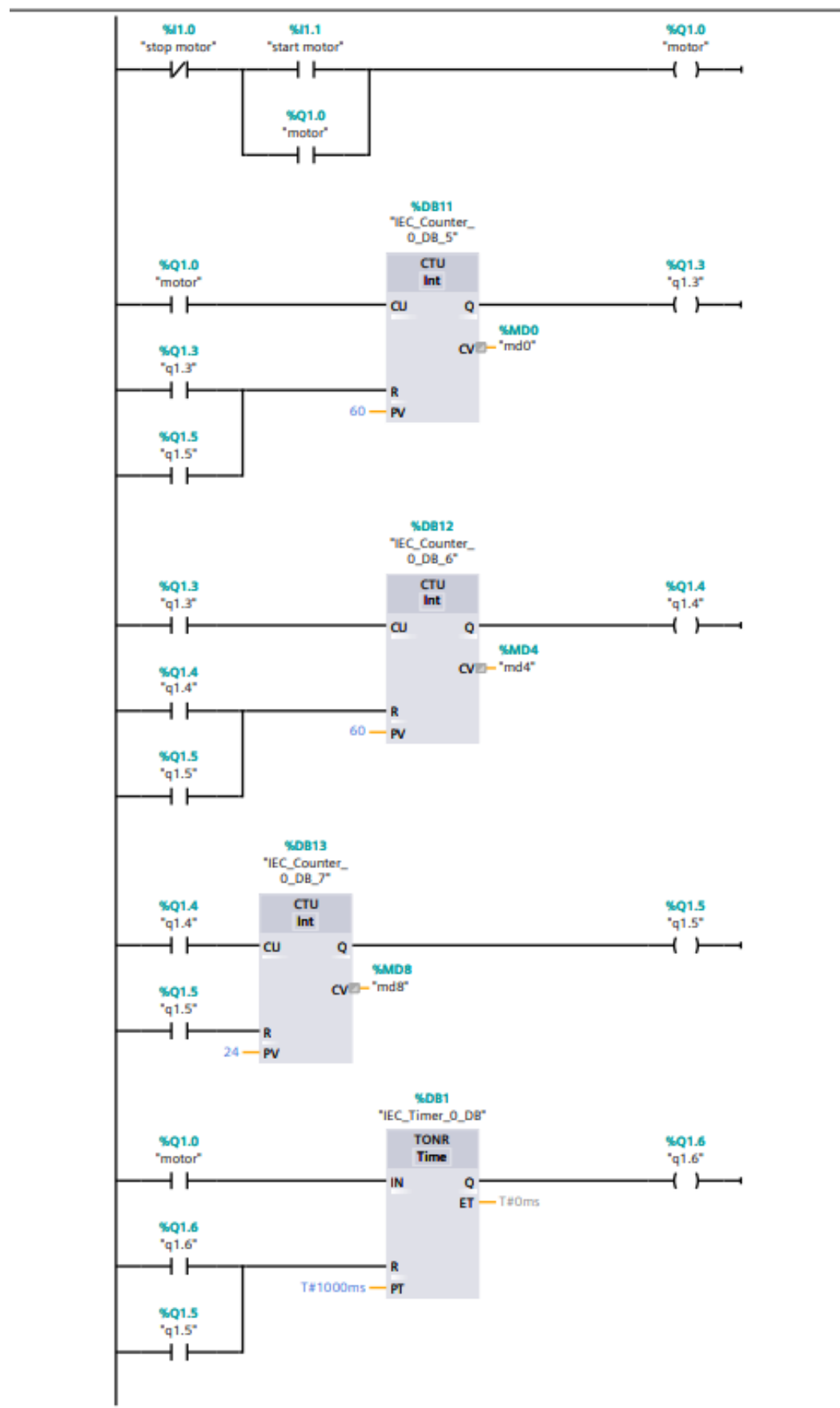
NETWORK 4 – study timer circuit. Output should go high 60s after receiving input



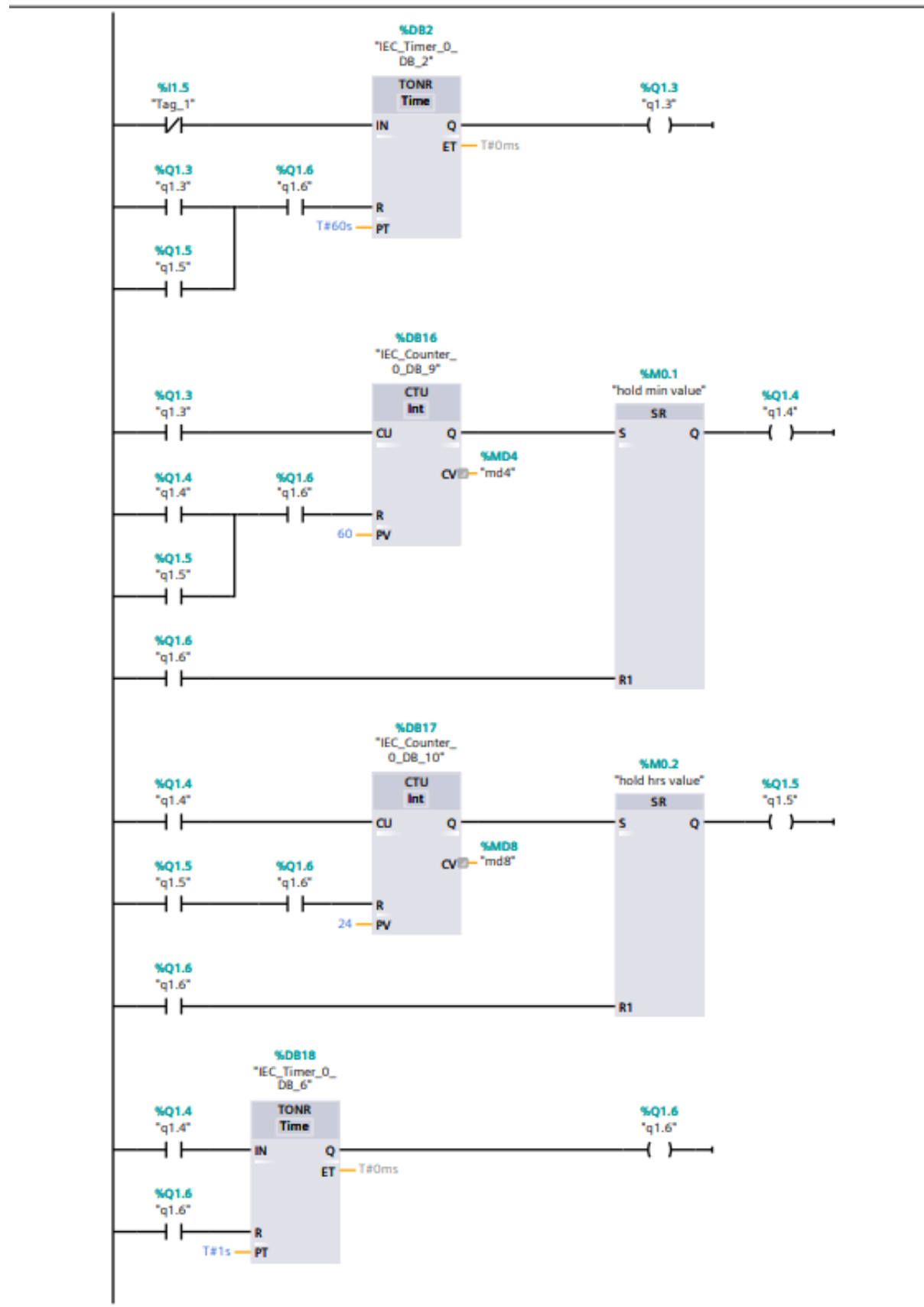
NETWORK 5 – study counter circuit. Output should go high after counting 24 objects



NETWORK 6 – calculate the total time for which motor was turned on

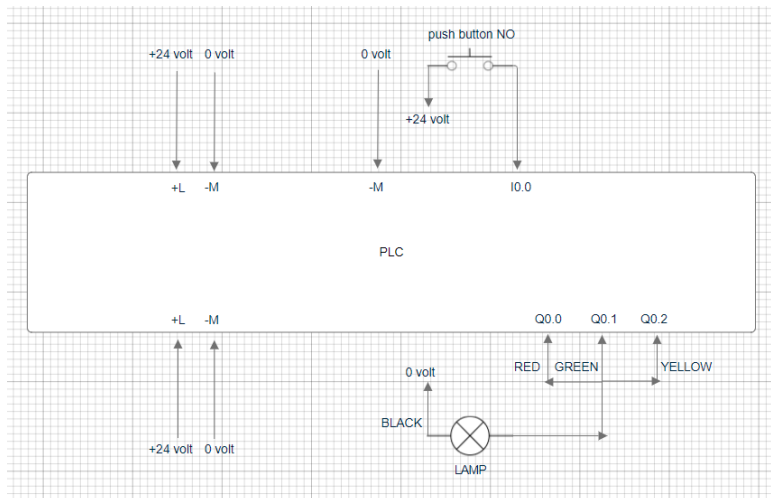


NETWORK 7 – make free running clock that displays hrs and mins. Should Reset auto every 24 hrs

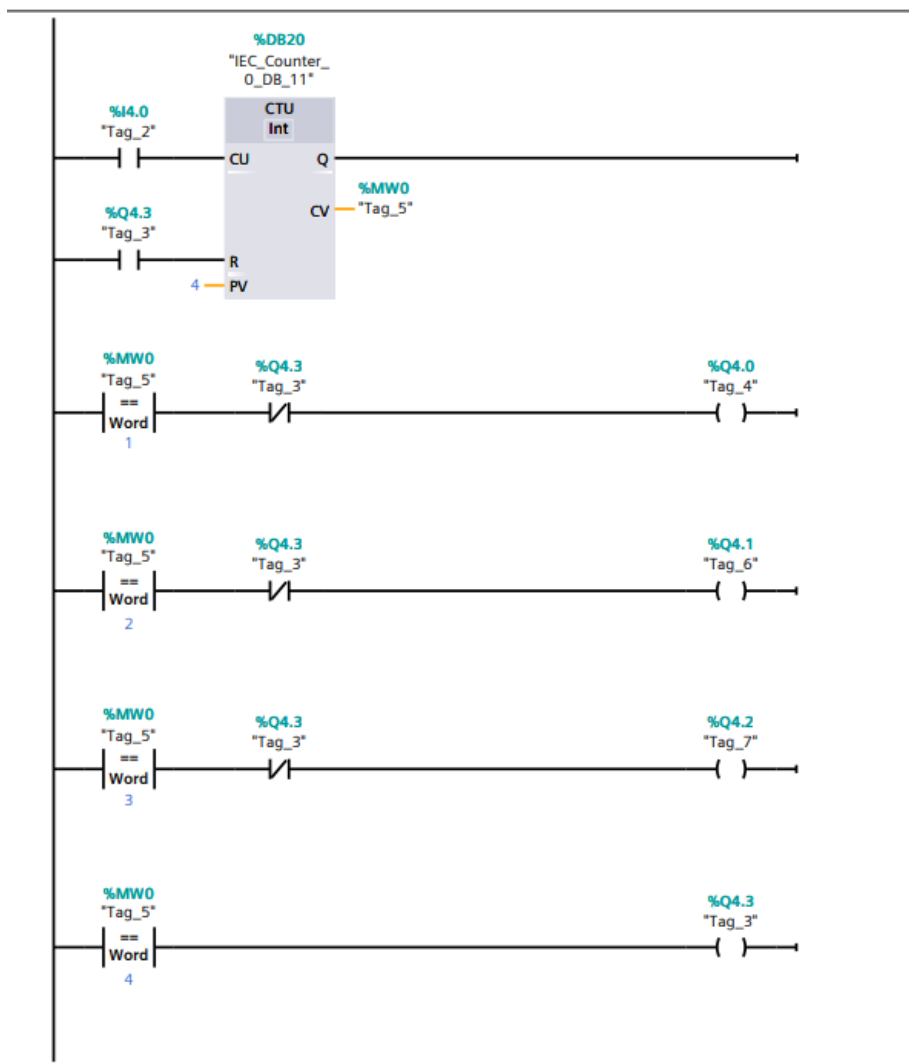


NETWORK 8 – interface tower lamp & display following pattern R – Y – G using push button.

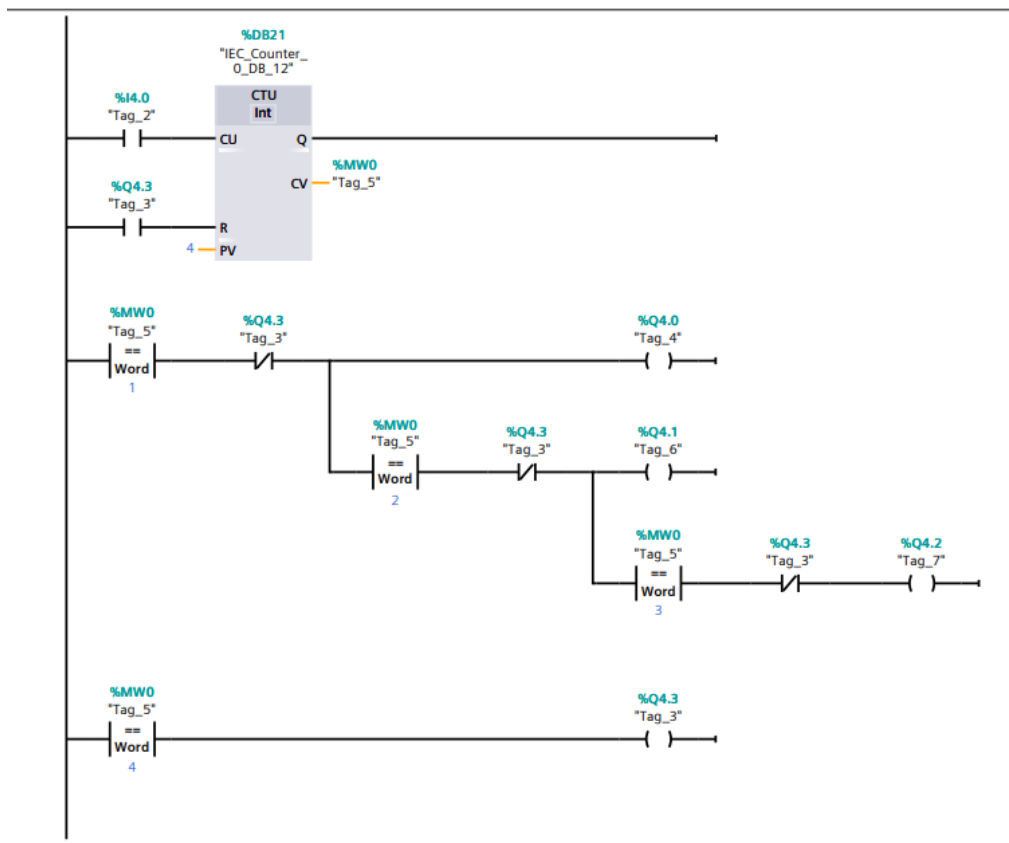
ELECTRICAL DIAGRAM



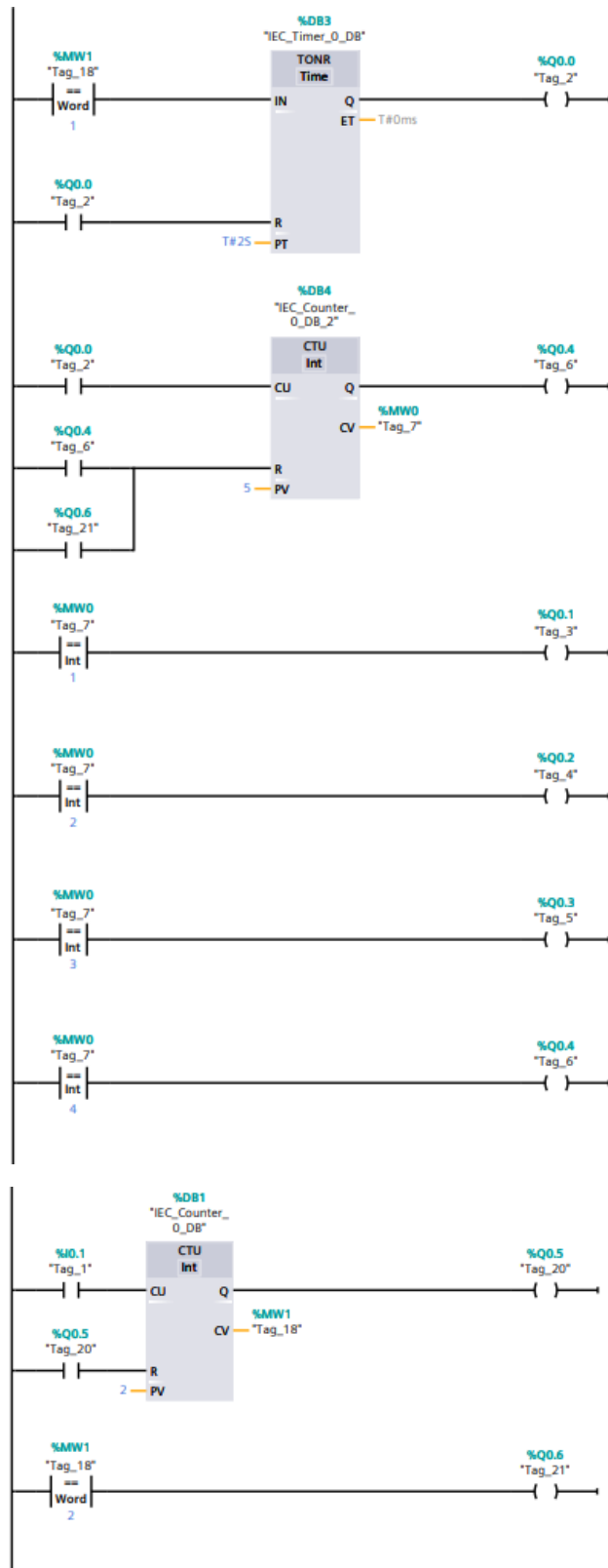
CONTROL DIAGRAM



NETWORK 9 – interface tower lamp and display following pattern R – RY – RYG using push button.



NETWORK 10 – interface tower lamp, when push button is pressed once R – Y – G should be displayed continuously in a loop. Again when same push button is pressed the tower lamp should go off.



NETWORK 11 – Internship Project DEC-2023. Write a ladder diagram for filling, capping & checking of bottle that are continuously moving on a conveyor belt.

