Exercise 1: Motor start/stop with warning

In this exercise you will start a motor with a delay of 10 seconds. For the start button, use the non-retentive green push button. (It’d probably be easiest to use the Set and Reset output elements for latching the motor start on and off.) You will stop the motor after a delay of 15 seconds. Use the red non-retentive button for the stop button. When the motor is off, the left-hand red light will burn. When the motor is on, the left-hand yellow light will represent the motor; the left-hand green light is an indicator that the motor is running. During the timing for both the start-on-delay and the stop-on-delay, the right-hand yellow light will blink as a warning.

Exercise 2: Draw above as a function-block diagram

Draw your logic on paper as a function-block diagram. Use standard symbology.