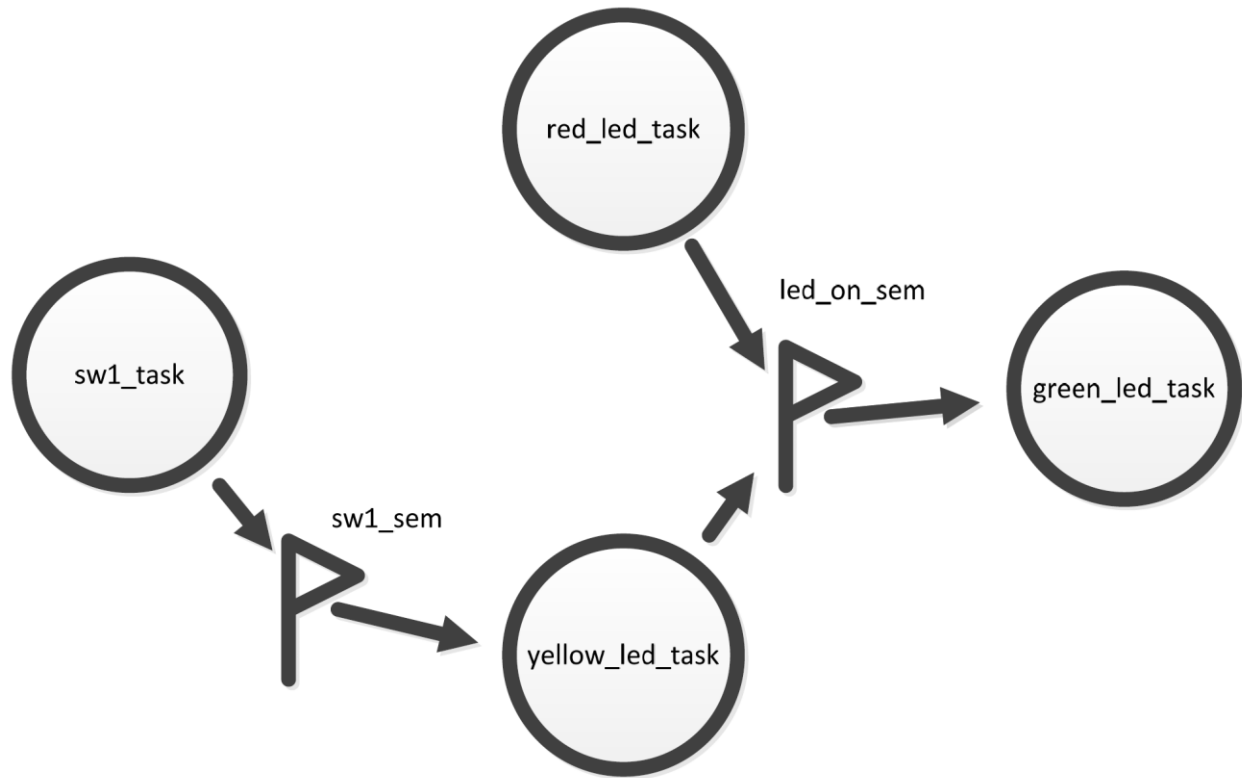


Lab6 – Run To Complete Scheduler

Create an application as shown in the task diagram below. Use the Run To Complete Scheduler from the solution to Assignment4 (the rtcs and the systick modules).



The SW1 task must signal the sw1_sem whenever the <SW1> is released.

The RED_LED_TASK must flash the red LED at frequency of 0.2 Hz.

The YELLOW_LED_TASK must turn ON the yellow LED when signaled through the SW1_SEM or if nothing has happened for 3 seconds. The yellow LED must be turned ON for 0.5 second and then turned OFF again.

The GREEN_LED_TASK will toggle the green LED, whenever the yellow or the red LED is turned ON.