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# Real-Time Systems

1-LAB Cyclic scheduler (arduino)

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Build and check a cyclic scheduler for the Arduino board that supports a flight control system with the following properties:

Task $\tau_i$	Computing time $c_i$ (ms)	Period $T_i$ = Deadline $D_i$ (ms)
$\tau_1$ sampling	15	200
$\tau_2$ control	25	400
$\tau_3$ update	10	200
$\tau_4$ check subsystems	250	600

Write a trace debugger inside the code to check the scheduler  
Cyclic scheduler and trace debugger can be designed as you want  
At the end of the lab, send the files to the RACO.