Scheduling

# Task (3)

1. Signal scheduling (state machine)
   1. Method1: Switch case
   2. Method for each case: Update state of every signal based on parameter.
2. High priority vehicle (extend time / adjust parameter)
   1. Method1:
      1. Procedure1: Check the existence of high priority vehicle
      2. Procedure2: Update parameter
3. Bus (extend time / adjust parameter)
   1. Method1:
      1. Procedure1: Chek for any bus input
      2. Procedure2: Update parameter

# Task Scheduling

Algorithm: RMS

API for implementation: freeRTOS

WCET: wcet for each method (use pyCPA)

Feasibility calculation: Manual

Inspection

each diagram

V&V

# Unit test

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# Defect test

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