Diagrams and flowcharts

Figure 1 Flow Diagram

Direction 1 : GO / Direction 2 : STOP → Direction 1 : COUNTDOWN / Direction 2 : STOP → Direction 1 : HURRY / Direction 2 : STOP → Direction 1 : STOP / Direction 2 : GO → Direction 1 : STOP / Direction 2 : COUNTDOWN → Direction 1 : STOP / Direction 2 : HURRY → Direction 1 : GO / Direction 2 : STOP
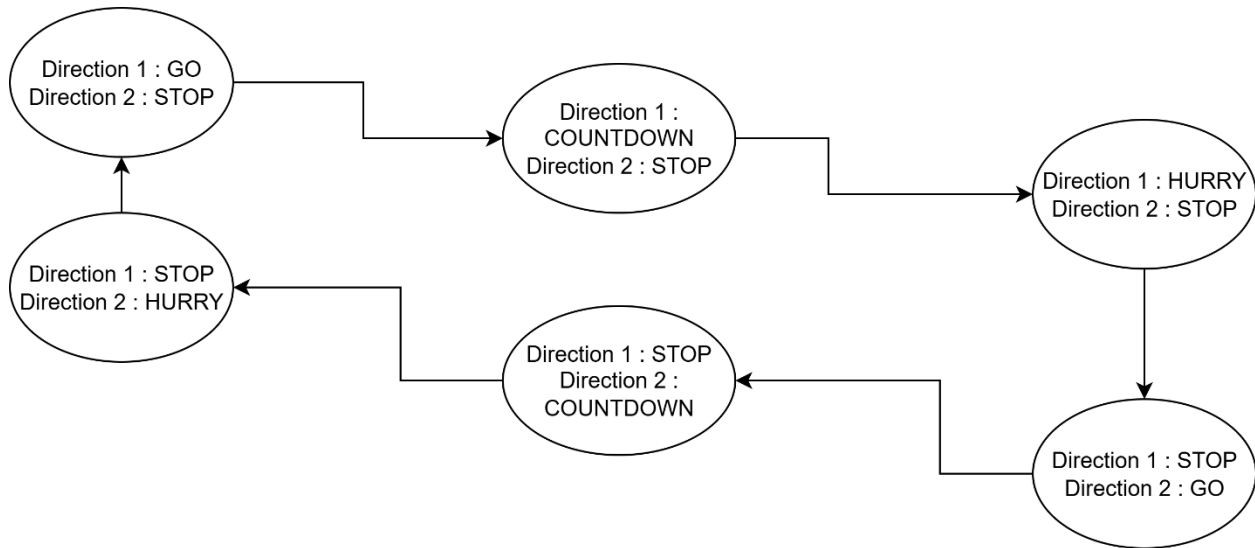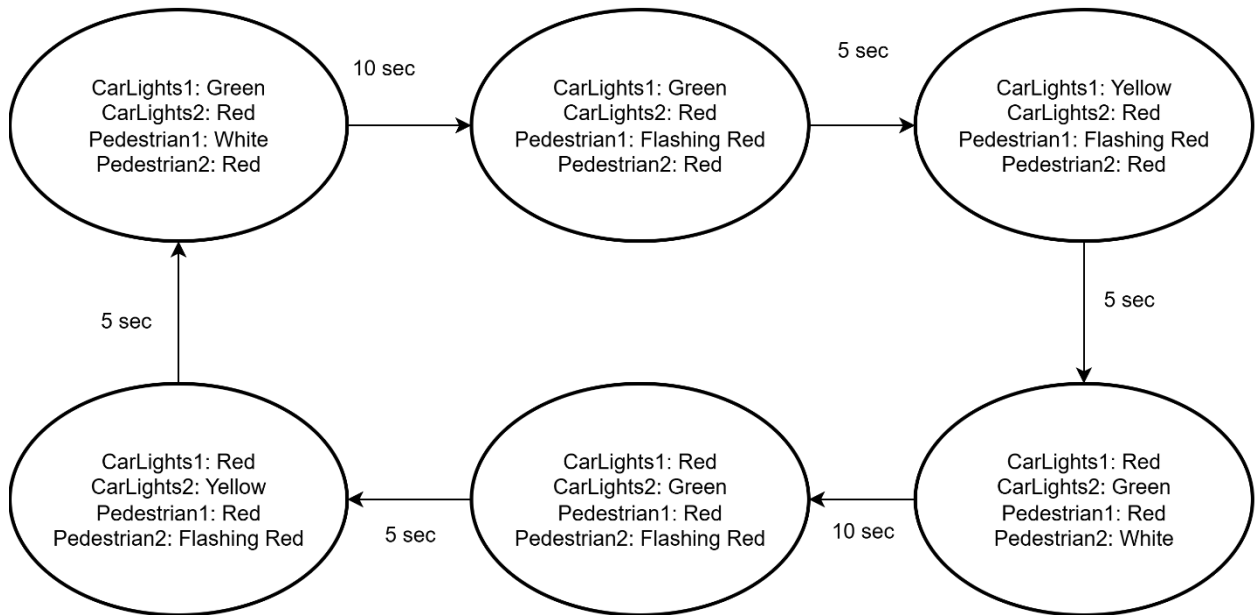

Figure 2 State transition Diagram

- CarLights1: Green / CarLights2: Red / Pedestrian1: White / Pedestrian2: Red —10 sec→ CarLights1: Green / CarLights2: Red / Pedestrian1: Flashing Red / Pedestrian2: Red —5 sec→ CarLights1: Yellow / CarLights2: Red / Pedestrian1: Flashing Red / Pedestrian2: Red —5 sec→ CarLights1: Red / CarLights2: Green / Pedestrian1: Red / Pedestrian2: White —10 sec→ CarLights1: Red / CarLights2: Green / Pedestrian1: Red / Pedestrian2: Flashing Red —5 sec→ CarLights1: Red / CarLights2: Yellow / Pedestrian1: Red / Pedestrian2: Flashing Red —5 sec→ (back to start)