

Part IV – Partner Challenge

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Specifications: Implement concurrent SMs for two streetlights. The lights should start with one being red (B5) and the other being green (B0). The green light will stay green for 3 seconds (B0), then change to yellow for 2 seconds (B1), then it goes to red (B2). Once it hits red (B2), the other red light (B5) will now change to green (B3) and stay green for 3 seconds, then yellow (B4) for 2 seconds and then to red (B5). Once this one hits red (B5), our original light we started out with goes to green (B0) and the cycle continues.