State Machine Diagram - Smart Traffic Light Control System System starts PowerOn\_Init After 10s delay WelcomeScreen Display "Welcome" WaitForKey On '\*' key pressed If password is incorrect EnterPassword CheckPassword If password is correct ReadTrafficSensors If Lane 1 has more vehicles Lane1\_Green After countdown Lane1\_Yellow If Lane 2 has more vehicles Lane1\_Red Lane2\_Green After countdown Lane2\_Yellow Lane2\_Red