What does this FSM do?
State Machine:

Input: 101

Output: 101

Recognize the string: 101

String Recognizer Example:

15 + 1 cycle
2nd cycle
Stream the correct input.
String Recognizer Example (cont.)
Implementation:

String Recognizer Example (cont.)
These signals go true, they stay true until the next START or RESET is to be used for timing yellow lights and TL for green lights. Once (TS) and a long time signal (TL) in response to a START signal. TS assume you have an interval timer that generates a short time signal are waiting, high level activating at least a set interval as green. Red, allowing highway to return to green. Even if farmland vehicle when these are met, farm lights transition from green to yellow to allowing farmland car is detected but never longer than a set interval.

When these are TS, highway lights go from green to yellow, allowing farmland lights to become green. These stay green only as long farmland, highway lights remain green in highway direction. If vehicle on farmland, lights remain green in highway direction. If vehicle on busy highway is intersected by a little used farmland. Detectors

FSM Word Problem: Traffic Light Controller
Traffic Light Controller (cont.)

Picture of Highway/Farmroad Intersection:
Start timing a short or long interval
assert green/yellow/red farmland lights
assert green/yellow/red highway lights

Description

Long time interval expired
Short time interval expired
detect vehicle on farmland

Description

- Table listing of Inputs and Outputs:

Traffic Light Controller (cont.)