





Finite State Machines, Example
Example from appendix B — simplified traffic signal for intersection of N/S and E/W streets:

Inputs are sensors indicating whether cars are waiting, one for each direction (N/S or E/W).
Outputs are two signals, "green in N/S direction" and "green in E/W direction".
Two states corresponding to two outputs.

Can first develop the idea pictorially, then write down in table form. Details in appendix B (B.6).
Sketch of required hardware — figure B.29.





