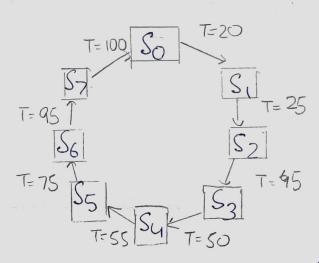
## IMPONATION .

flim: To design a traffic light controller using VMDL Seftuare Used: Model Sons

Theory 5

A simple traffic light controller can be implemented by a state machine that has a state diagram as shown.

Finite State Machine



It states progress according the value of the Timein used. When the value of the Timein reaches a specific value, that state of system changes.

The states are defined in lows of output Timey goes from 0 to 100 and is rused to 0. Each light is Programmed to eun as follous: 1. It is Green for 20s ? It is yellow for 55 During this time all other lights ruman RED ... block Diagram. A set of 4 traffic lights have been designed for a 4 junction Physical REPRESENTATION Traffic fight