



**FIGURE B.10.2 The graphical representation of the two-state traffic light controller.** We simplified the logic functions on the state transitions. For example, the transition from NSgreen to EWgreen in the next-state tablett is  $(\overline{\text{NScar}} \cdot \text{EWcar}) + (\text{NScar} \cdot \text{EWcar})$ , which is equivalent to EWcar.