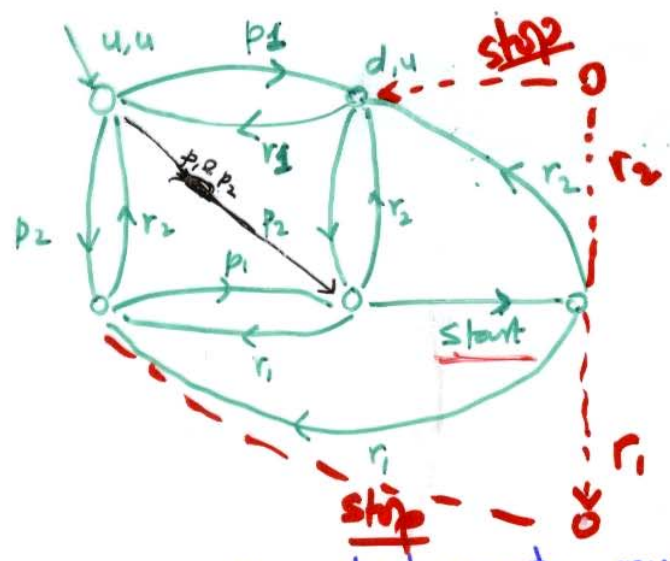


"Button tie-down problem"

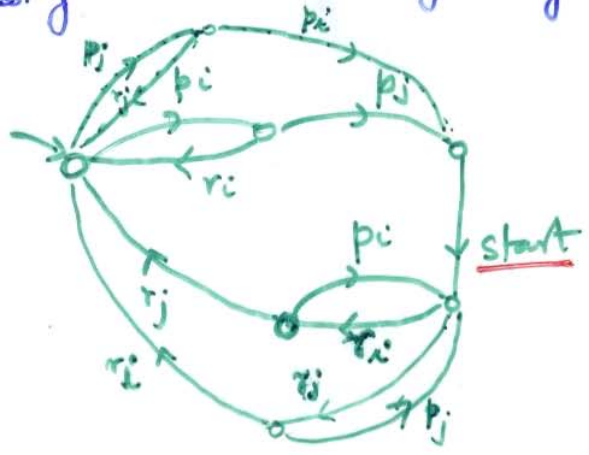
- Safety feature provided in "potentially hazardous machines (saw mill, die press) by requiring machine be only allowed to start when both hands are pressing a push-button (can't start machine by one hand)



p_i = push;
 r_i = release;
 u = "up"
 d = "down"

uncontrolled plant

- Spec: Successive start events must be blocked unless separated by execution of both the push-button events (can't start the machine by taping down one button, and pressing the other thus by using only one hand)



desired specification

Source: "Basic Control Systems Eng.", Prentice Hall, 1997