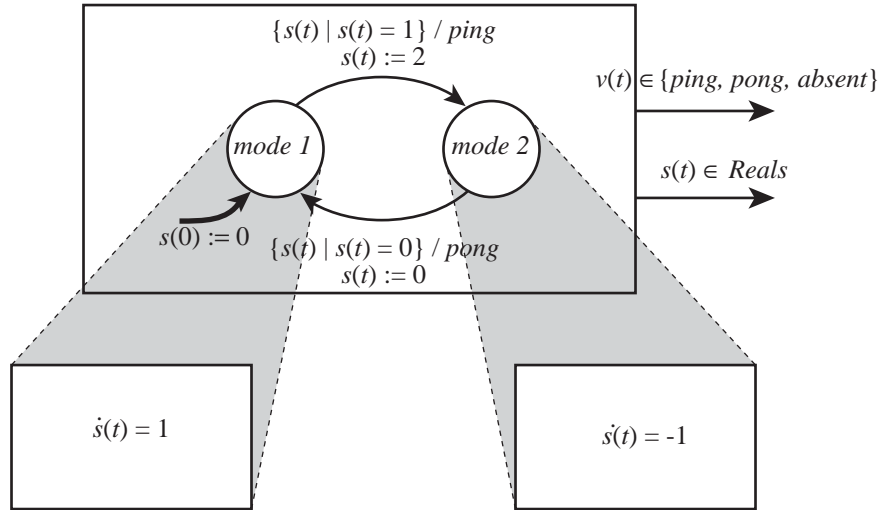


EECS20n, Quiz 5, 04/02/04, Solution

For the following hybrid system design the guard, output and action for the two transitions, so that the system outputs 'ping' for $t = 1, 4, 7, 10, \dots$ and 'pong' for $t = 3, 6, 9, 12, \dots$.



Sketch the trajectory of the mode and the refinement state at each time t .

