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In fact the test consists of considering the further complementarity condition  $0 \leq x_2(t) \leq R - L x_2(t) + 1$  LC  $x_1(t) + \lambda(t) L > 0$  (1.24) which is an LCP to be solved only when  $x_2(t) = 0$ . The fact that this LCP possesses a solution  $\lambda(t) x_2(t) > 0$  is a sufficient condition for the system to change its mode of evolution.

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