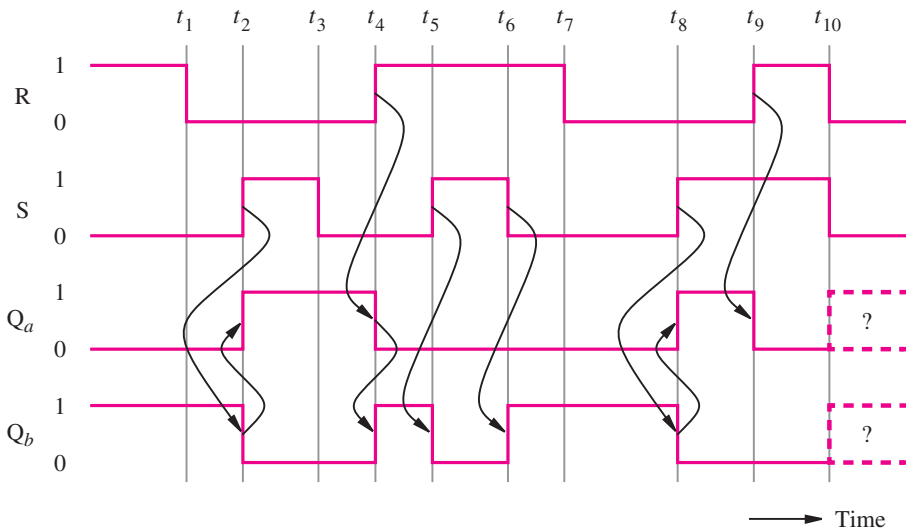


(a) Circuit

S	R	Q_a	Q_b	
0	0	0/1	1/0	(No change)
0	1	0	1	
1	0	1	0	
1	1	0	0	

(b) Truth table



(c) Timing diagram

Figure 7.5 A basic latch built with NOR gates.