

Present state  $y$	Next state				Output			
	$ab = 00$	01	10	11	00	01	10	11
	$Y$				$s$			
0	0	0	0	1	0	1	1	0
1	0	1	1	1	1	0	0	1

**Figure 6.42**      State-assigned table for Figure 6.41 .