

	Present state $y_3 y_2 y_1$	Next state		Output z
		$w = 0$	$w = 1$	
		$Y_3 Y_2 Y_1$	$Y_3 Y_2 Y_1$	
A	0 0 1	0 0 1	0 1 0	0
B	0 1 0	0 0 1	1 0 0	0
C	1 0 0	0 0 1	1 0 0	1

Figure 6.20

One-hot state assignment for the state table in Figure 6.4.