

	Present state $y_2y_1y_0$	Next state		Count $z_2z_1z_0$
		$w = 0$	$w = 1$	
		$Y_2Y_1Y_0$	$Y_2Y_1Y_0$	
A	000	000	001	000
B	001	001	010	001
C	010	010	011	010
D	011	011	100	011
E	100	100	101	100
F	101	101	110	101
G	110	110	111	110
H	111	111	000	111

Figure 6.62 State-assigned table for the counter.