

Present state	Next state		Output
	$w = 0$	$w = 1$	
A	A	B	0
B	B	C	1
C	C	D	2
D	D	E	3
E	E	F	4
F	F	G	5
G	G	H	6
H	H	A	7

Figure 6.61 State table for the counter.