State number	Control word bits 17–2	Control word bits 1–0
0	1001010000001000	11
1	0000000000011000	01
2	0000000000010100	10
3	0011000000000000	11
4	0000001000000010	00
5	0010100000000000	00
6	0000000001000100	11
7	0000000000000011	00
8	0100000010100100	00
9	1000000100000000	00

FIGURE D.4.5 The contents of the control memory for an implementation using an explicit counter. The first column shows the state, while the second shows the datapath control bits, and the last column shows the address-control bits in each control word. Bits 17–2 are identical to those in Figure D.3.7.