

		Input memory	
		X	X
		•	•
000	001, \emptyset	001, \emptyset	
001	110, W	010, \emptyset	
010	011, \emptyset	011, \emptyset	
011	000, \emptyset	000, \emptyset	
100	001, \emptyset	101, \emptyset	
101	010, \emptyset	110, \emptyset	
110	111, \emptyset	111, \emptyset	
111	100, \emptyset	100, \emptyset	

(a) Position 1

		Input memory	
		X	X
		•	•
000	001, \emptyset	001, \emptyset	101, \emptyset
001	110, W	110, W	010, \emptyset
010	011, \emptyset	011, \emptyset	011, \emptyset
011	000, \emptyset	000, \emptyset	000, \emptyset
100	101, \emptyset	001, \emptyset	101, \emptyset
101	110, N	010, \emptyset	110, N
110	111, \emptyset	111, \emptyset	111, \emptyset
111	100, \emptyset	100, \emptyset	100, \emptyset

(b) Position 5

Figure 1: State machine(s) (a) at position 1, (b) at position 5.

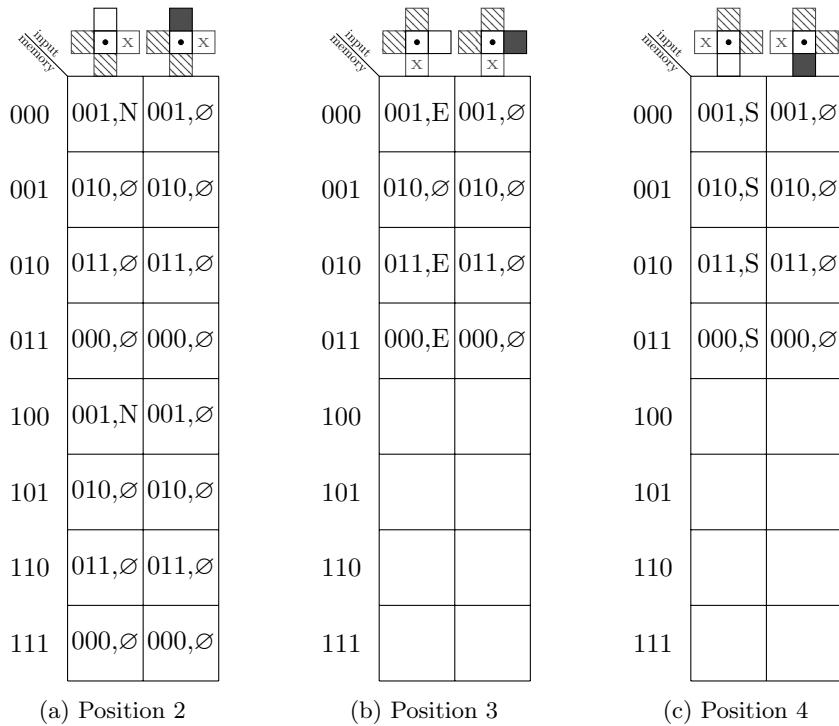


Figure 2: State machine(s) (a) at position 2, (b) at position 3, (c) at position 4.

		input memory	
		•	x
		x	•
000	001,N	001, \emptyset	
001	010, \emptyset	010, \emptyset	
010	011, \emptyset	011, \emptyset	
011	000, \emptyset	000, \emptyset	
100	001,N	001, \emptyset	
101	010, \emptyset	010, \emptyset	
110	011, \emptyset	011, \emptyset	
111	000, \emptyset	000, \emptyset	

(a) Position 6

		input memory	
		•	x
		x	•
000	001,E	001,E	001, \emptyset
001	010, \emptyset	010, \emptyset	010, \emptyset
010	011,E	011,E	011, \emptyset
011	000,E	000,E	000, \emptyset
100	101, \emptyset	001,E	101, \emptyset
101	110, \emptyset	110, \emptyset	110, \emptyset
110	011,S	111, \emptyset	011,S
111	100, \emptyset	100, \emptyset	100, \emptyset

(b) Position 7

Figure 3: State machine(s) (a) at position 6, (b) at position 7.

		Input history			
		X	X	X	X
		•	•	•	•
000	001,S	001, \emptyset	001,S	001, \emptyset	
001	010,S	010, \emptyset	010,S	010, \emptyset	
010	011,S	011, \emptyset	011,S	011, \emptyset	
011	100,W	100,W	000,S	000, \emptyset	
100					
101					
110					
111					

(a) Position 8

		Input history			
		X	X	X	X
		•	•	•	•
000	001,S	101, \emptyset	001,S	001, \emptyset	
001	010, \emptyset	010, \emptyset	010, \emptyset	010, \emptyset	
010	011, \emptyset	011, \emptyset	011, \emptyset	011, \emptyset	
011	000, \emptyset	000, \emptyset	000, \emptyset	000, \emptyset	
100	101, \emptyset	101, \emptyset	101, \emptyset	101, \emptyset	
101	110,N	110,N	010, \emptyset	110, \emptyset	
110	111, \emptyset	111, \emptyset	111, \emptyset	111, \emptyset	
111	100, \emptyset	100, \emptyset	100, \emptyset	100, \emptyset	

(b) Position 9

Figure 4: State machine(s) (a) at position 8, (b) at position 9.