

		input memory			
		00	01	10	11
00	01,N	01, \emptyset	01, \emptyset	01, \emptyset	01, \emptyset
	00,W	10,W	00, \emptyset	00, \emptyset	
01					
10					
11					

(a) Position 1

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

		input memory			
		00	01	10	11
00	01,N	01, \emptyset	01, \emptyset		
	00,W	00, \emptyset			
01	00,N	00, \emptyset			
10	01,N	01, \emptyset			
11					

		input memory			
		00	01	10	11
00	01,E	01, \emptyset	01, \emptyset		
	01	00,E	00, \emptyset		
01					
10					
11					

		input memory			
		00	01	10	11
00	01,S	01, \emptyset	01, \emptyset		
	01	00,S	00, \emptyset		
01					
10					
11					

(a) Position 2

(b) Position 3

(c) Position 4

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

		?		?		?		?
		input memory	?		?		?	
		00	01,∅	01,∅	01,∅	01,∅	01,∅	01,∅
		01	10,W	10,W	10,W	10,W	10,W	00,∅
		10	01,∅	11,∅	11,∅	01,∅	11,∅	11,∅
		11	10,W	10,N	10,N	00,∅	10,N	10,∅

		?		?		?		?
		input memory	?		?		?	
		00	01,∅	01,∅	11,∅	11,∅	01,∅	01,∅
		01	00,∅	00,∅	00,∅	10,∅	10,W	10,W
		10	11,∅	11,∅	11,∅	11,∅	01,∅	01,∅
		11	10,N	10,N	10,N	10,N	10,W	10,W

(a) Position 5

Figure 3: State machine(s) (a) at position 5.

		?	?	?	?	?	?	?
		input memory	?	?	?	?	?	?
		00	01,N	01,∅	00,N	00,∅	01,E	01,∅
		01					00,E	00,∅
		10						
		11						

(a) Position 6

(b) Position 7

(c) Position 8

Figure 4: State machine(s) (a) at position 6, (b) at position 7, (c) at position 8.

	input memory							
	?	?	?	?	?	?	?	?
00	01,∅	11,∅	01,∅	11,∅	01,S	01,S	01,S	01,S
01	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅
10	11,∅	11,∅	01,∅	11,∅	01,∅	11,∅	01,∅	11,∅
11	10,∅	10,N	00,∅	10,N	00,∅	10,N	00,∅	10,N

	input memory							
	?	?	?	?	?	?	?	?
00	01,S	01,S	01,S	01,S	01,S	01,S	01,S	01,S
01	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅	00,∅
10	01,∅	11,∅	01,∅	11,∅	01,∅	11,∅	01,∅	11,∅
11	00,∅	10,N	00,∅	10,N	00,∅	10,N	00,∅	10,N

(a) Position 9

Figure 5: State machine(s) (a) at position 9.