

Figure 1: State machine(s) (a) at position 1, (b) at position 2, (c) at position 3.

| | | input memory | | | |
|-----|-------|------------------|------------------|------------------|------------------|
| | | | | | |
| 000 | 001,S | 001, \emptyset | 001, \emptyset | 101, \emptyset | 001, \emptyset |
| 001 | 010,S | 010, \emptyset | 010, \emptyset | 010, \emptyset | 010, \emptyset |
| 010 | 011,S | 011, \emptyset | 011, \emptyset | 011, \emptyset | 011, \emptyset |
| 011 | 000,S | 000, \emptyset | 100,W | 100,W | 000, \emptyset |
| 100 | | | | | |
| 101 | | | 101,N | 101, \emptyset | 101,N |
| 110 | | | 110, \emptyset | 010, \emptyset | 110, \emptyset |
| 111 | | | 111, \emptyset | 111, \emptyset | 111, \emptyset |

(a) Position 4

(b) Position 5

Figure 2: State machine(s) (a) at position 4, (b) at position 5.

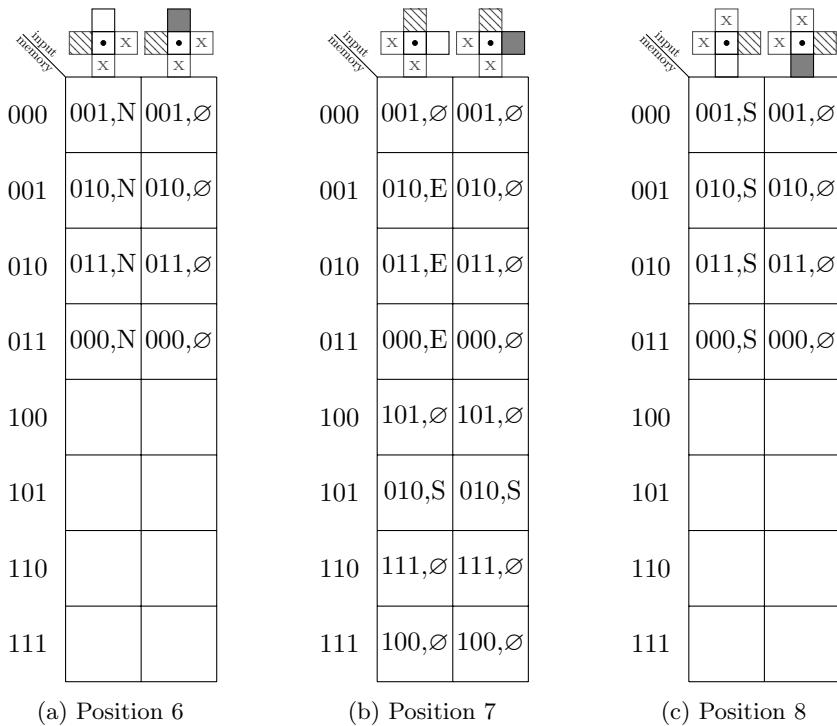


Figure 3: State machine(s) (a) at position 6, (b) at position 7, (c) at position 8.

| | 001 | 101 | 001 | 001 |
|-----|------------------|------------------|------------------|------------------|
| 001 | 010, S | 010, \emptyset | 010, S | 010, \emptyset |
| 010 | 011, \emptyset | 011, \emptyset | 011, \emptyset | 011, \emptyset |
| 011 | 000, \emptyset | 000, \emptyset | 000, \emptyset | 000, \emptyset |
| 100 | 101, N | 101, N | 001, \emptyset | 101, \emptyset |
| 101 | 110, \emptyset | 110, \emptyset | 110, \emptyset | 110, \emptyset |
| 110 | 111, \emptyset | 111, \emptyset | 111, \emptyset | 111, \emptyset |
| 111 | 100, \emptyset | 100, \emptyset | 100, \emptyset | 100, \emptyset |

(a) Position 9

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