

	001, ∅

(a) Position 1

000	001, ∅	001, ∅	001, ∅	001, ∅
001	110, W	110, W	010, ∅	010, ∅
010	011, ∅	011, ∅	111, ∅	011, ∅
011	100, W	100, W	000, ∅	000, ∅
100	101, ∅	001, ∅	101, ∅	101, ∅
101	110, W	110, W	110, N	110, ∅
110	111, ∅	111, ∅	111, ∅	111, ∅
111	100, W	100, W	100, ∅	100, ∅

(b) Position 5

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

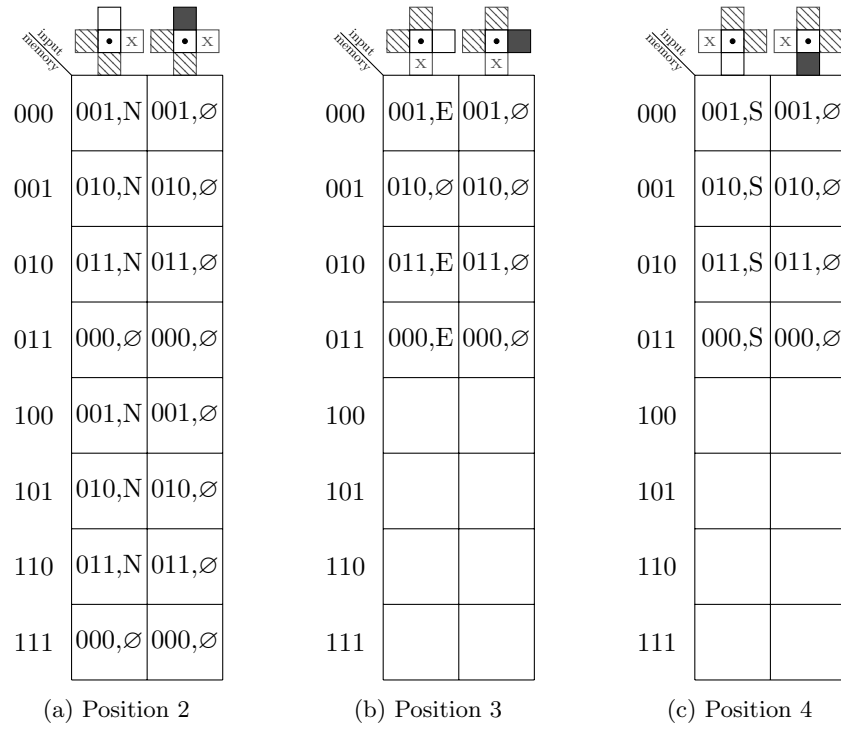


Figure 2: State machine(s) (a) at position 2, (b) at position 3, (c) at position 4.

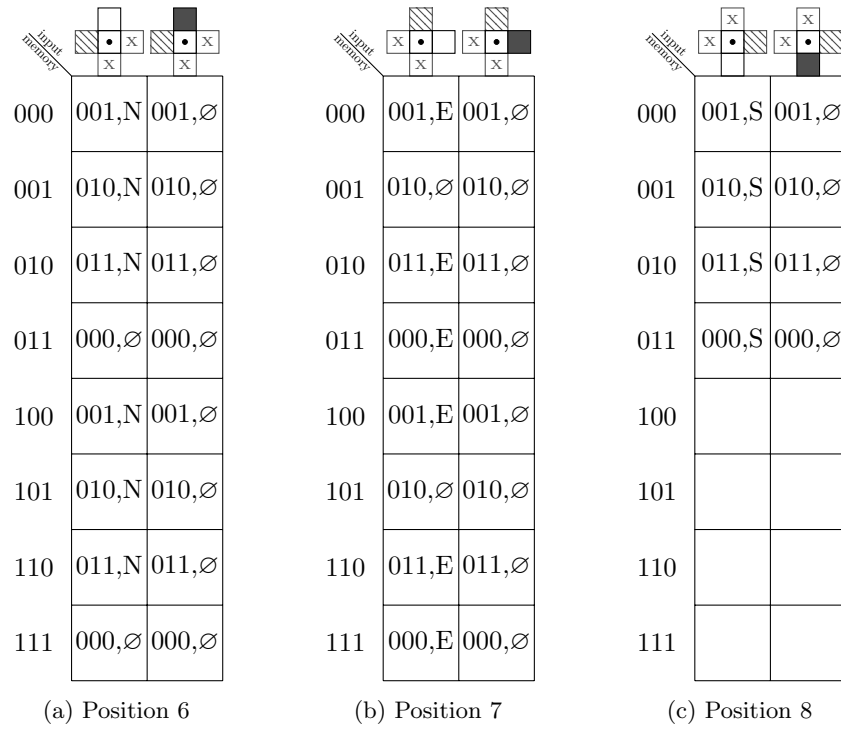


Figure 3: State machine(s) (a) at position 6, (b) at position 7, (c) at position 8.

<div> <div> <div>input</div> <div>memory</div> </div> <div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> <div> <div></div> <div>•</div> <div>x</div> </div> </div> </div>	000	001,∅	001,∅	001,∅	001,∅	001,∅	001,∅	001,∅	001,∅
	001	010,∅	010,∅	010,∅	010,∅	010,∅	010,∅	010,∅	010,∅
	010	011,∅	011,S	111,∅	111,∅	011,∅	011,S	011,∅	011,∅
	011	100,W	000,∅	100,W	000,∅	100,W	000,∅	100,W	000,∅
	100	101,∅	101,∅	101,∅	101,∅	101,∅	101,∅	101,∅	101,∅
	101	110,∅	110,N	110,∅	110,N	010,∅	010,∅	110,∅	110,∅
	110	111,∅	111,∅	111,∅	111,∅	111,∅	111,∅	111,∅	111,∅
	111	100,W	100,∅	100,W	100,∅	100,W	100,∅	100,W	100,∅

(a) Position 9

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