

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

000	001, \emptyset	001, \emptyset	101, \emptyset	001, \emptyset
001	110, W	110, W	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	001, \emptyset	101, \emptyset	101, \emptyset
101	110, N	010, \emptyset	110, N	110, \emptyset
110	111, \emptyset	111, \emptyset	111, \emptyset	111, \emptyset
111	100, \emptyset	100, \emptyset	100, \emptyset	100, \emptyset

(b) Position 5

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

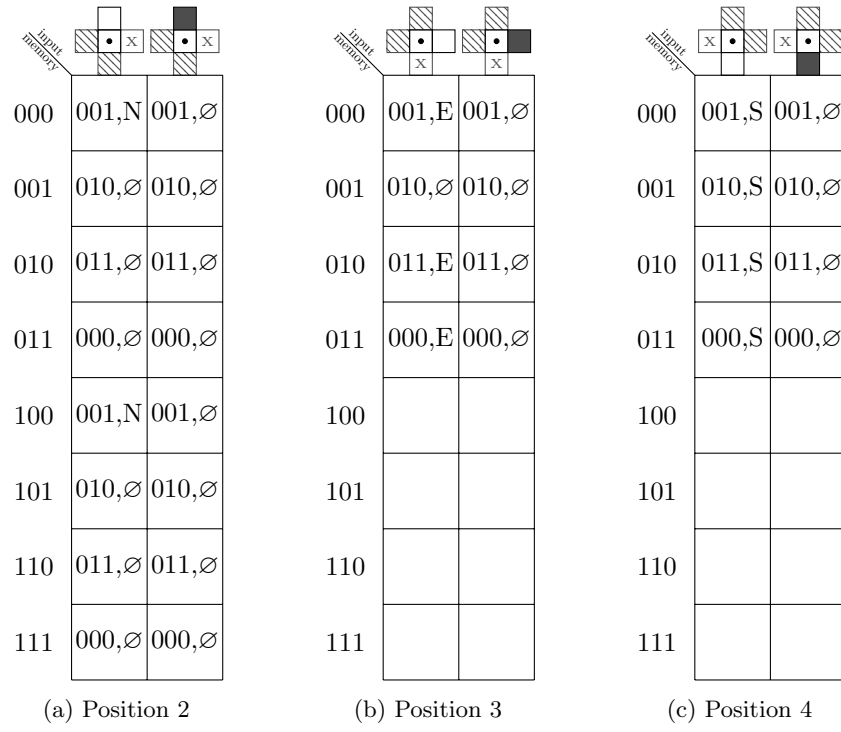


Figure 2: State machine(s) (a) at position 2, (b) at position 3, (c) at position 4.

input memory	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: black; border: 1px solid black; margin-right: 5px;"></div>	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div>
	x • x	x • x
	x	x
000	001,N	001,∅
001	010,∅	010,∅
010	011,∅	011,∅
011	000,∅	000,∅
100	001,N	001,∅
101	010,∅	010,∅
110	011,∅	011,∅
111	000,∅	000,∅

(a) Position 6

input memory	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div>	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div>	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div>	<div style="display: inline-block; width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 10px; height: 10px; background: white; border: 1px solid black; margin-right: 5px;"></div>
	x • x	x • x	x • x	x • x
	x	x	x	x
000	001,E	001,E	001,∅	001,∅
001	010,∅	010,∅	010,∅	010,∅
010	011,E	011,E	011,∅	011,∅
011	000,E	000,E	000,∅	000,∅
100	101,∅	001,E	101,∅	001,∅
101	110,∅	110,∅	110,∅	110,∅
110	011,S	111,∅	011,S	111,∅
111	100,∅	100,∅	100,∅	100,∅

(b) Position 7

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

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

(a) Position 8

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

(b) Position 9

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