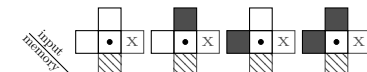


000	001,∅	001,∅
001	110,W	010,∅
010	011,∅	011,∅
011	000,∅	000,∅
100	001,∅	101,∅
101	010,∅	110,∅
110	111,∅	111,∅
111	100,∅	100,∅

(a) Position 1



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

(b) Position 5

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

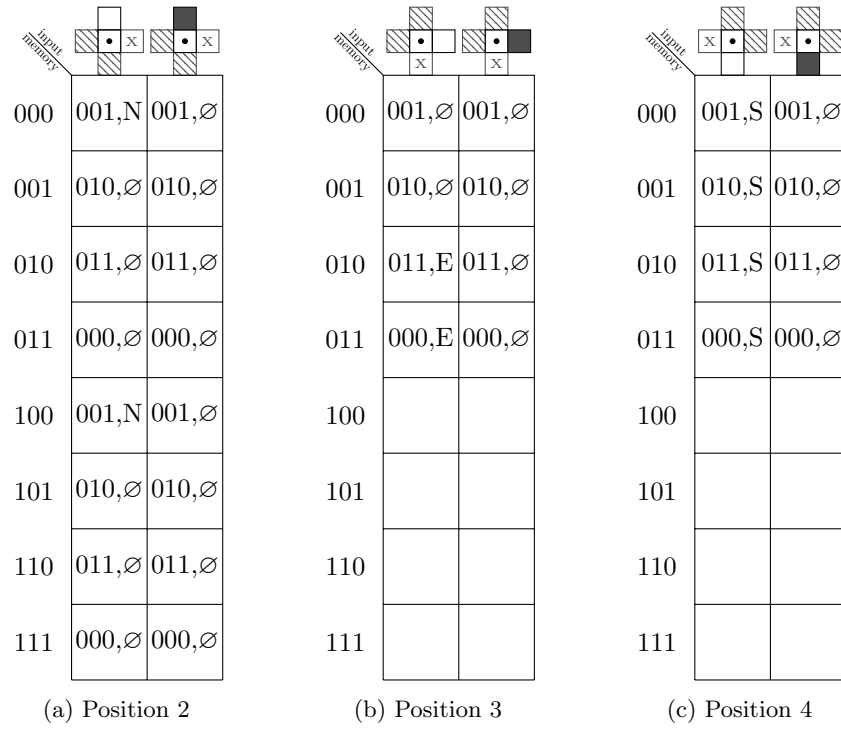


Figure 2: State machine(s) (a) at position 2, (b) at position 3, (c) at position 4.

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: black; border: 1px solid black;"></div>
	x    x    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>	<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: white; border: 1px solid black; margin-right: 5px;"></div>
	x    x    x    x    x    x	x    x    x    x    x    x	x    x    x    x    x    x	x    x    x    x    x    x	x    x    x    x    x    x
000	001,∅	001,∅	001,∅	001,∅	001,∅
001	010,∅	010,∅	010,∅	010,∅	010,∅
010	011,E	011,E	011,∅	011,∅	011,∅
011	000,E	000,E	000,∅	000,∅	000,∅
100	001,∅	001,∅	001,∅	001,∅	001,∅
101	010,∅	010,∅	010,∅	010,∅	010,∅
110	011,S	011,∅	011,S	011,∅	011,∅
111	000,∅	000,∅	000,∅	000,∅	000,∅

(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.