Current State									Input			Next State							
State Name	A(LED0-5)	L3(LED5)	L2((LED4)	L1(LED3)	R3(LED0)	R2(LED1)	R1(LED2)	F	SW2(Reset)	SW1(Left)	SW0(Right)	A	L3	L2	L1	R3	R2	R1	F
F	x	x	x	x	x	x	x	x	1	x	x								1
F								1	0	0	0								1
F								1	0	0	1							1	
F								1	0	1	0				1				
F								1	0	1	1	1							
R1							1		0	0	0						1		
R1							1		0	0	1						1		
R1							1		0	1	0						1		
R1							1		0	1	1						1		
R2						1			0	0	0					1			
R2						1			0	0	1					1			
R2						1			0	1	0					1			
R2						1			0	1	1					1			
R3					1				0	0	0								1
R3					1				0	0	1								1
R3					1				0	1	0								1
R3					1				0	1	1								1
L1				1					0	0	0			1					
L1				1					0	0	1			1					
L1				1					0	1	0			1					
L1				1					0	1	1			1					
L2			1						0	0	0		1						
L2			1						0	0	1		1						
L2			1						0	1	0		1						
L2			1						0	1	1		1						
L3		1							0	0	0								1
L3		1							0	0	1								1
L3		1							0	1	0								1
L3		1							0	1	1								1
A	1								0	0	0								1
A	1								0	0	1								1
A	1								0	1	0								1
A	1								0	1	1								1

Outputs						
CS	LC(LED5)	LB(LED4)	LA(LED3)	RA(LED2)	RB(LED1)	RC(LED0)
F/ 0000 0001	0	0	0	0	0	0
R1/ 0000 0010				1		
R2/ 0000 0100				1	1	
R3/ 0000 1000				1	1	1
L1/ 0001 0000			1			
L2/ 0010 0000		1	1			
L3/ 0100 0000	1	1	1			
A/ 1000 0000	1	1	1	1	1	1