



state	binary values	output				
		LC	LB	LA	RC	RB RA
S0	000	0	0	0	0	0 0
S1	001	0	0	1	0	0 0
S2	010	0	1	1	0	0 0
S3	011	1	1	1	0	0 0
S4	100	0	0	0	0	0 1
S5	101	0	0	0	0	1 1
S6	110	0	0	0	1	1 1