



$N \rightarrow$ Neutral
 $B \rightarrow$ Cathode

$L \rightarrow$ Left ON
 $R \rightarrow$ Right ON

Current State	Current State	Input	Final State
00	N	00 \rightarrow	N(00)
01	L	00 \rightarrow	L(00)
10	R	00 \rightarrow	R(00)
11	B	00 \rightarrow	B(00)
00	N	01 \rightarrow	L(01)
01	L	00 \rightarrow	B(11)
10	R	01 \rightarrow	B(11)
11	B	10 \rightarrow	N(00)
00	N	11 \rightarrow	B(11)
01	L	10 \rightarrow	R(10)
10	R	11 \rightarrow	L(01)
11	B	10 \rightarrow	R(10)
00	N	10 \rightarrow	N(00)
01	L	10 \rightarrow	N(00)