전자공학과 20202l025 인준열

논리회로 과제 14-1

$[\log_2 6] = 3 \Rightarrow$ 3개의 state $\Rightarrow$ Q2,Q1,Q0

State	Q2 Q1 Q0	
IDLE	0 0 0	(Gray Code)
L1	0 0 1	
L2	0 1 1	
R1	1 1 1	
R2	1 1 0	
LR3	1 0 1	

S	Q2 Q1 Q0	Transition Express	S*	Q2* Q1* Q0*
IDLE	0 0 0	(LEFT+RIGHT+HAZ)'	IDLE	0 0 0
IDLE	0 0 0	LEFT·RIGHT'·HAZ'	L1	0 0 1
IDLE	0 0 0	HAZ + LEFT·RIGHT	LR3	1 0 1
IDLE	0 0 0	RIGHT·LEFT'·HAZ'	R1	1 1 1
L1	0 0 1	1	L2	0 1 1
L2	0 1 1	1	IDLE	0 0 0
R1	1 1 1	1	R2	1 1 0
R2	1 1 0	1	IDLE	0 0 0
LR3	1 0 1	1	IDLE	0 0 0