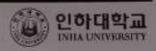
REPORT





과목명 | 논리회로

담당교수 1 최성용

학과 1컴퓨터공학과

학년 12

학번 1/2/1/1661

이름 1원형

제출일 | 2020, 12, 13

」。16-17me to 4-17me やせたり 인理 会別的日子 せいけん (Active-HIGH Triput, Active-HIGH OUTPUT)

(1) 전리표 (Truth Table)

(1) TELL CHAIN LABRES																			
Ao	Aı	A	A3	A4	A ₅	A6	An	As	Aa	Alo	An	A12	A13	A14	Ais	03	02	01	00
	0	0	0	0	D	0	0	D.	0	0	0	0	0	0	0	0	0	0	0
Х	1	0	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	D	1
X	X	l	0	0	0	0	0	0	0	0	Ô	0	0	0	D	0	0	l	0
X	X	X	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
X	X	X	X		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
X	X	X	Χ	X		0	0	0	0	0	0	0	0	0	0	0	l	0	1
X	X	X	X	X	X		0	0	0	0	0	0	0	0	0	0	1	1	0
X	X	X	X	X	X	X	1	0	0	0	0	0	0	0	0	0	l	1	l
X	X	X	X	X	X	X	X		0	0	0	0	0	Ó	0	l	0	0	0
X	X	X	X	X	X	X	X	X		0	0	0	0	0	0	l	0	0	l
X	X	X	X	X	X	X	X	X	X	1	0	0	0	0	0	l	Ö	1	0
X	X	X	X	X	X	X	X	X	X	X	1	0	0	0	0	l	0	l	1
X	X	X	X	X	X	X	X	X	X	X	X	1	0	0	0	1	1	0	0
X	X	X	X	X	X	X	X	X	X	X	X	X		0	0	l	1	0	l
X	X	X	Х	X	X	.Χ	X	X	X	X	X	X	X	1	0	1	1	1	D
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1)

(2) 각 혈액 간략화한 대원

米방법·주 Out put 마다 Iol 되는 부분에서 A: 그 인 부분 위의 0을 지원 대신을 구한다.

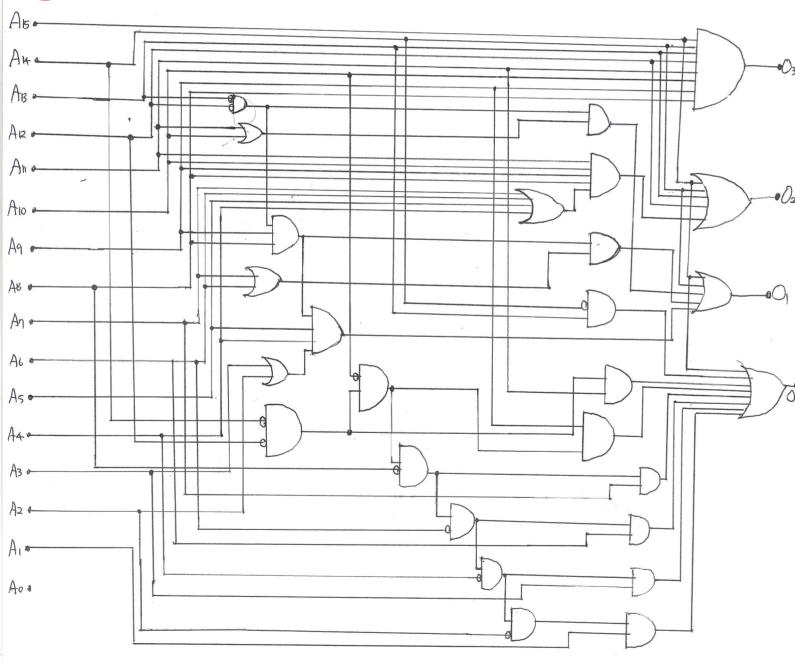
O3= A15+A14+A13+A12+A11+A10+Aq+A8

O2 = A15+A14+A13+A12+(A11-A10-A4-A8)(An+A6+A5+A4)

 $\mathcal{O}_{1} = A_{15} + A_{14} + \left(\overline{A_{13}} \cdot \overline{A_{12}}\right) \left(A_{11} + A_{10}\right) + \left(\overline{A_{15}} \cdot \overline{A_{12}} \cdot \overline{A_{12}}$

Oo = A15+ A14. A13 + A14. A12. A11 + A14. A12. A10. A4 + A12. A10. A8. A7 + A14. A12. A10. A8. A6. A5 + A14. A12. Aco. A8. A6. A4. A3 + A12. A12. A12. A6. A6. A6. A2. A1

(3) 회로도

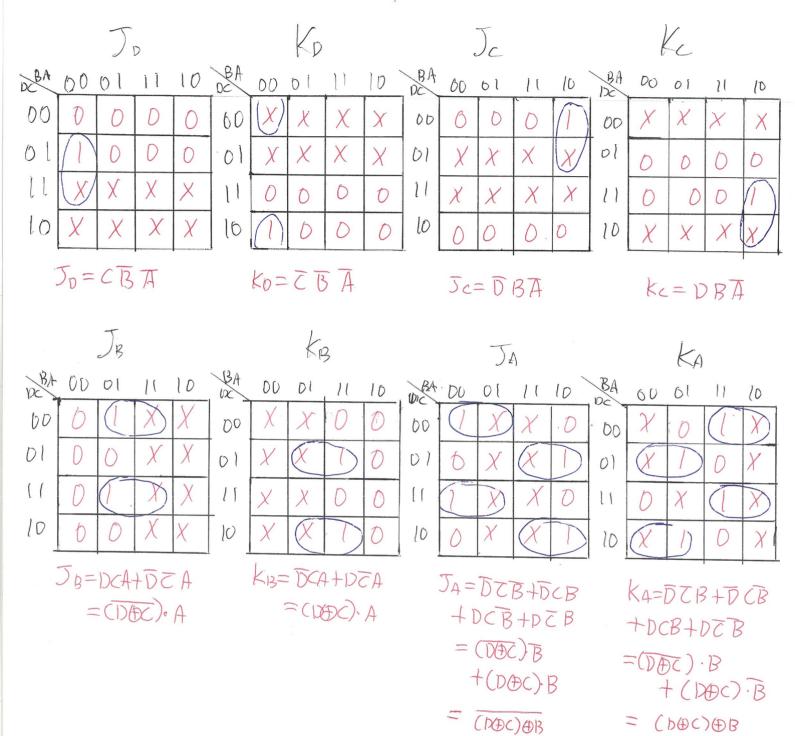


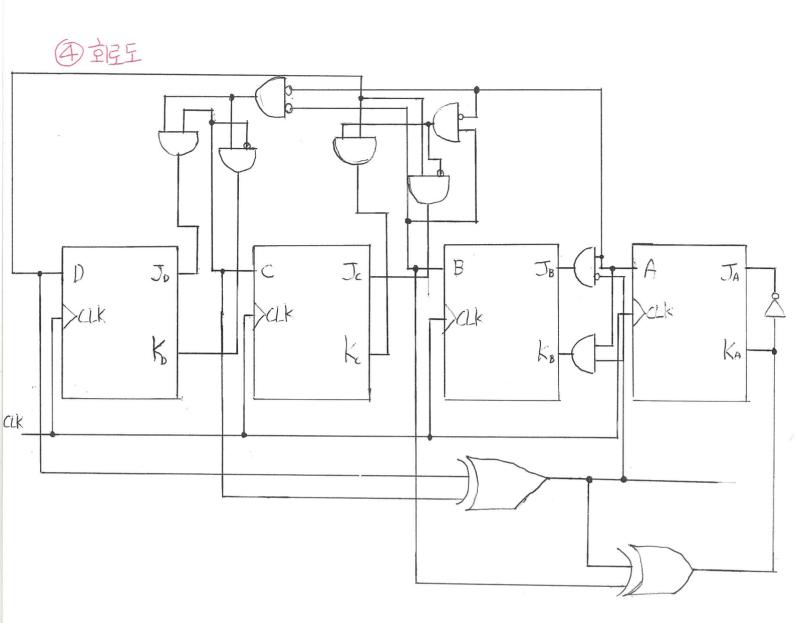
2 4-bit Gray Code 신생 순환하는 MolDH6 57년 기운터회로를 가는 플립플폼을 이용하여 설계하고자 한다.

① 상태변화5 (State Transition Diagram)

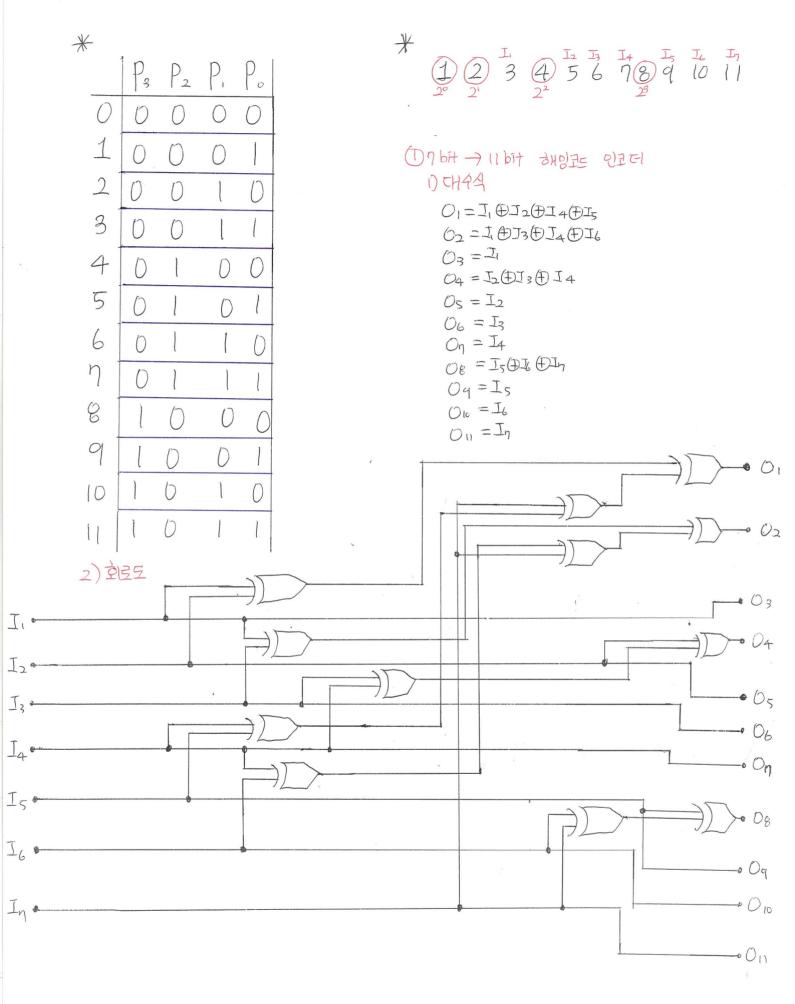
	(000) + (001) + (010)																			
	② Excitation Table 至語 可以出一个是公司														(다음)					
	D	C	B	A	Jo	Ko	Jc	Kc		JB	KB	JA	KA	D	C	B	A			
	0	0	0	0	0	X	0	Χ		0	χ	1	Χ	0	0	0				
7	0	0	0		0	χ	0	χ		1	Χ	X	0	0	\bigcirc	l				
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	0	1	0	ĺ	0	X	χ	()		0	ìχ	X	1	C	l	Ö	0			
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		0	1	0	χ	0	D	χ		χ	0		χ	l	0	1				
		0	1	1	χ	0	0	X		Χ		Χ	0	1	6	0	1			
		1	0	0	X	0	X	0		D	X		χ	1	1	0				
	1	1	0		X	0	X	()			Χ	χ	0	l	l	l				
		Ì	l	0	χ	0	Χ	0		χ	0	0	Χ	1	0		0			
		1	1	1	X	0	X,]		X	0	X		1	1	1	0			

3 रे यानियुंग रोसंकेर पान्य





9. व्याप्ट एका/पास ब्रेड्ड यमक्रिक्स व्याप्त (9 bit ←> 11 bit)



② 11 bit > 7 bit 하면로 다코더 1) 다 4일

 $D_0 = I_1 \oplus I_3 \oplus I_5 \oplus I_6 \oplus I_9 \oplus I_9$ $D_1 = I_2 \oplus I_3 \oplus I_6 \oplus I_9 \oplus I_{19}$ $D_2 = I_4 \oplus I_5 \oplus I_6 \oplus I_9$ $D_3 = I_8 \oplus I_9 \oplus I_{10} \oplus I_{19}$ $Chor = D_3 + D_2 + D_1 + D_0$

 $O_{1} = I_{3} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{2} = J_{5} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{3} = J_{6} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{4} = J_{1} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{5} = J_{4} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{6} = J_{10} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$ $O_{1} = J_{11} \oplus (\overline{D_{3}} \cdot \overline{D_{2}} \cdot \overline{D_{1}} \cdot \overline{D_{0}})$

2) 호 3 5

