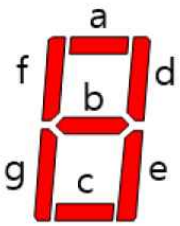
디지털공학 과제 logisim 2

Simulationusing Logisim #1

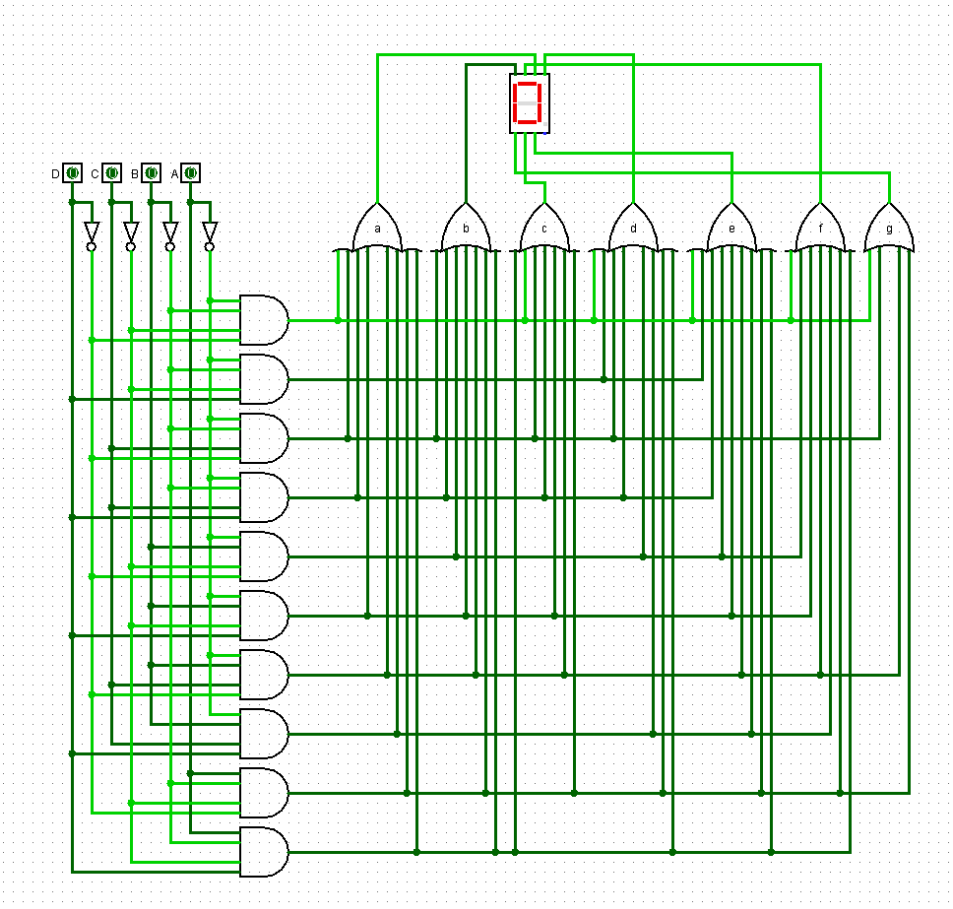
201501489 최영진

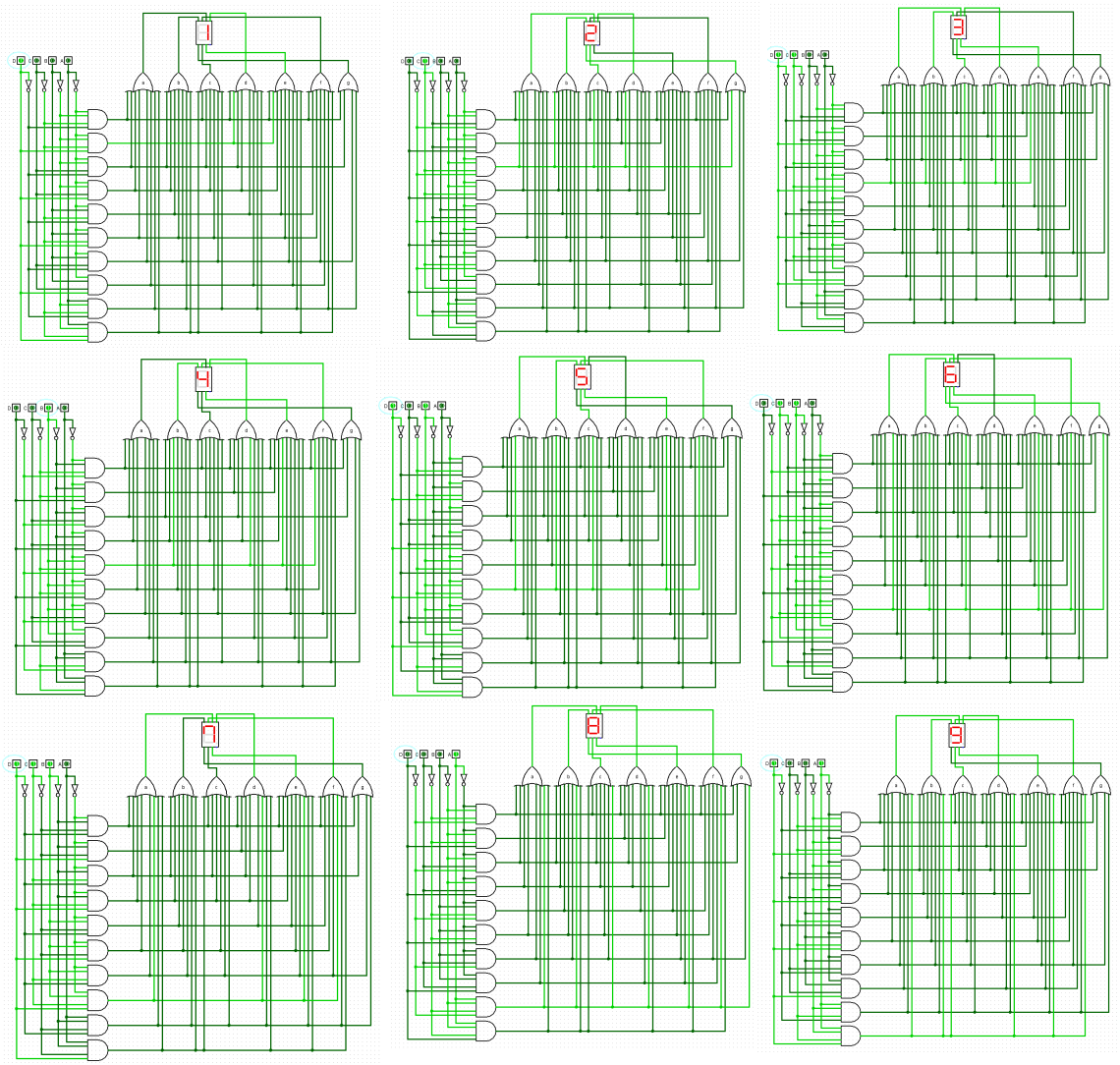
A)

Last Digit: 9

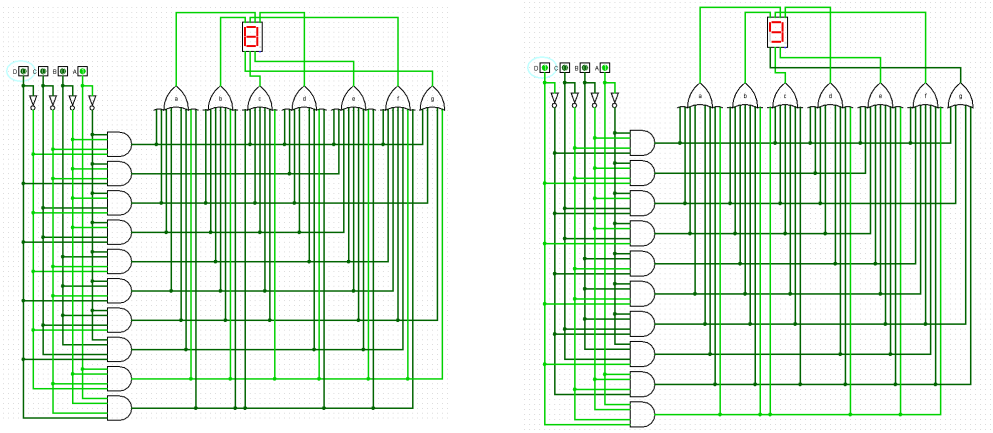


	input				output						
	A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	0	1	0	1	1	1	1	1
1	0	0	0	1	0	0	0	1	1	0	0
2	0	0	1	0	1	1	1	1	0	0	1
3	0	0	1	1	1	1	1	1	1	0	0
4	0	1	0	0	0	1	0	1	1	1	0
5	0	1	0	1	1	1	1	0	1	1	0
6	0	1	1	0	1	1	1	0	1	1	1
7	0	1	1	1	1	0	0	1	1	1	0
8	1	0	0	0	1	1	1	1	1	1	1
9	1	0	0	1	1	1	1	1	1	1	0



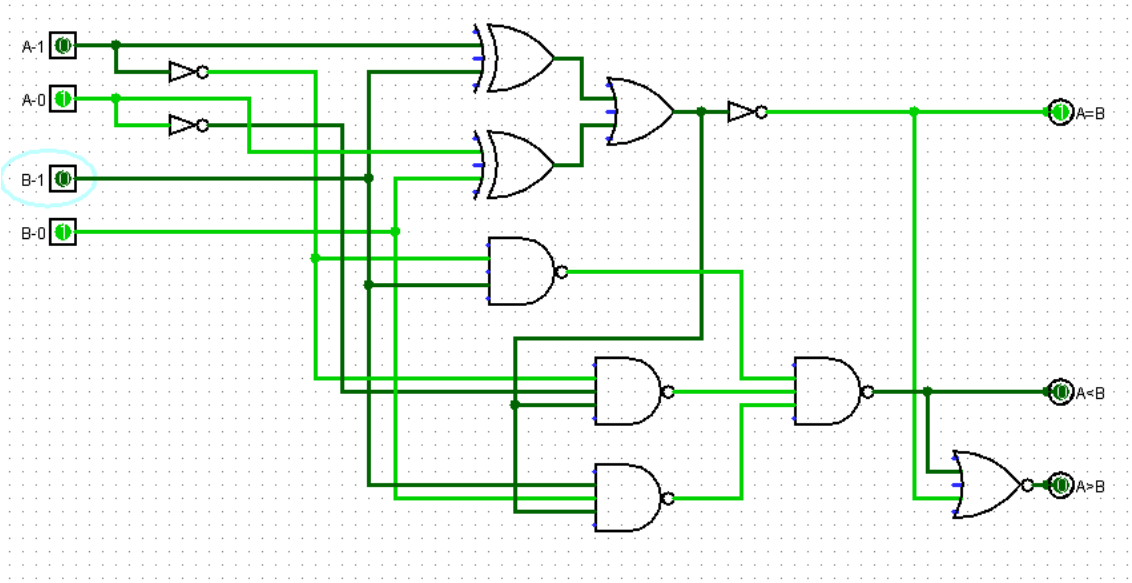


학번 끝 2자리 : 89

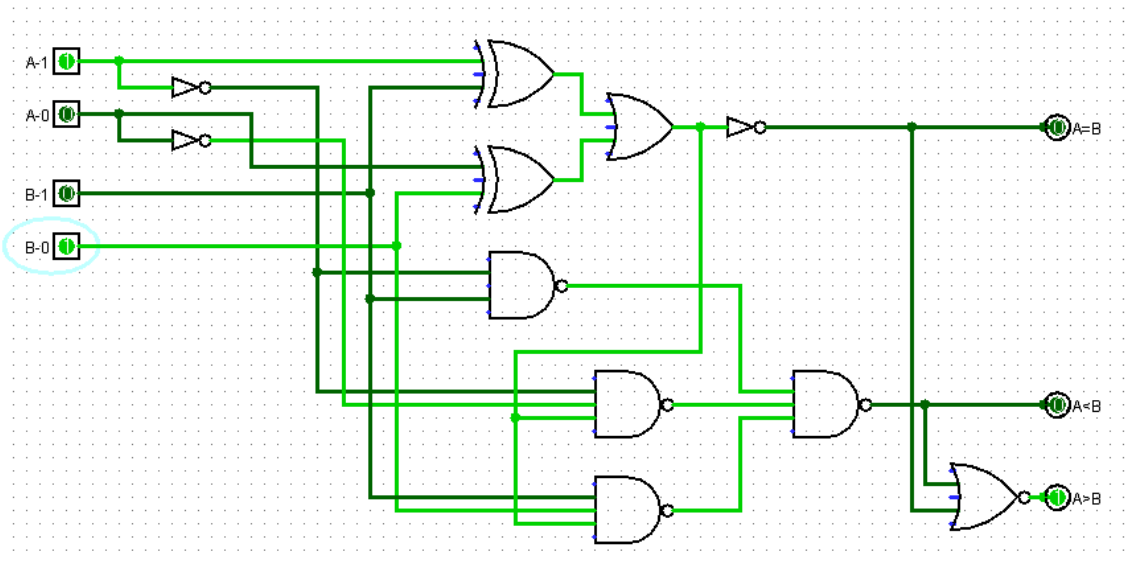


B – 5)

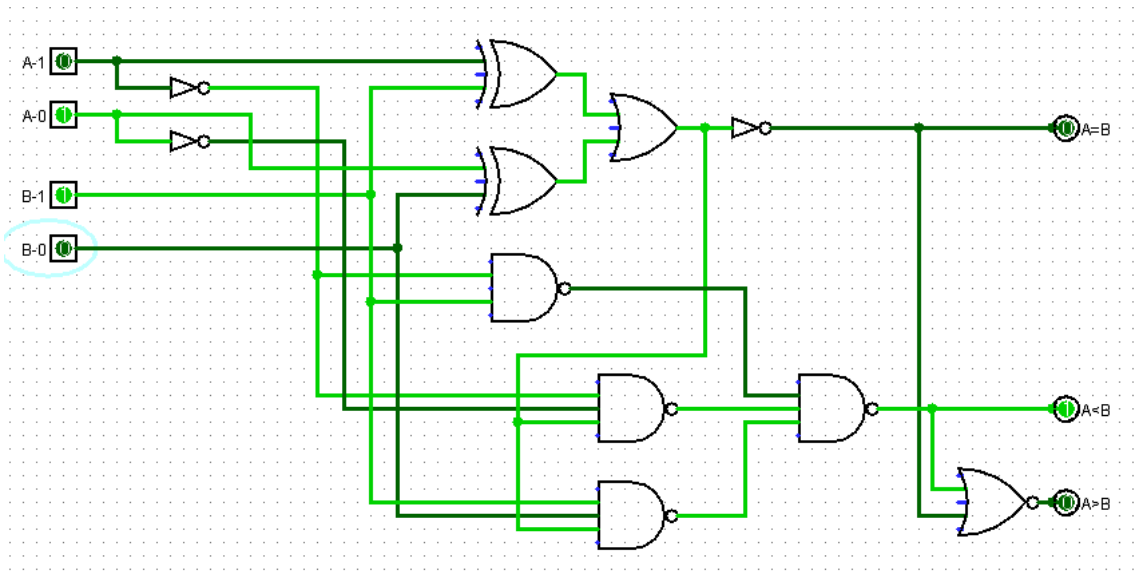
1) A=0, B=0



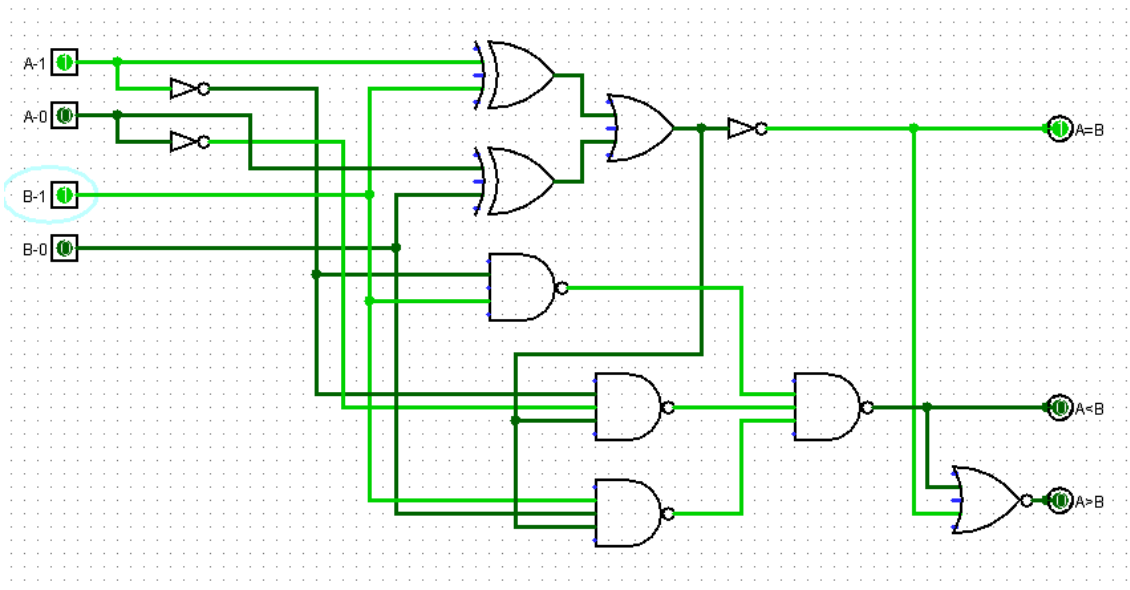
2) A=1, B=0



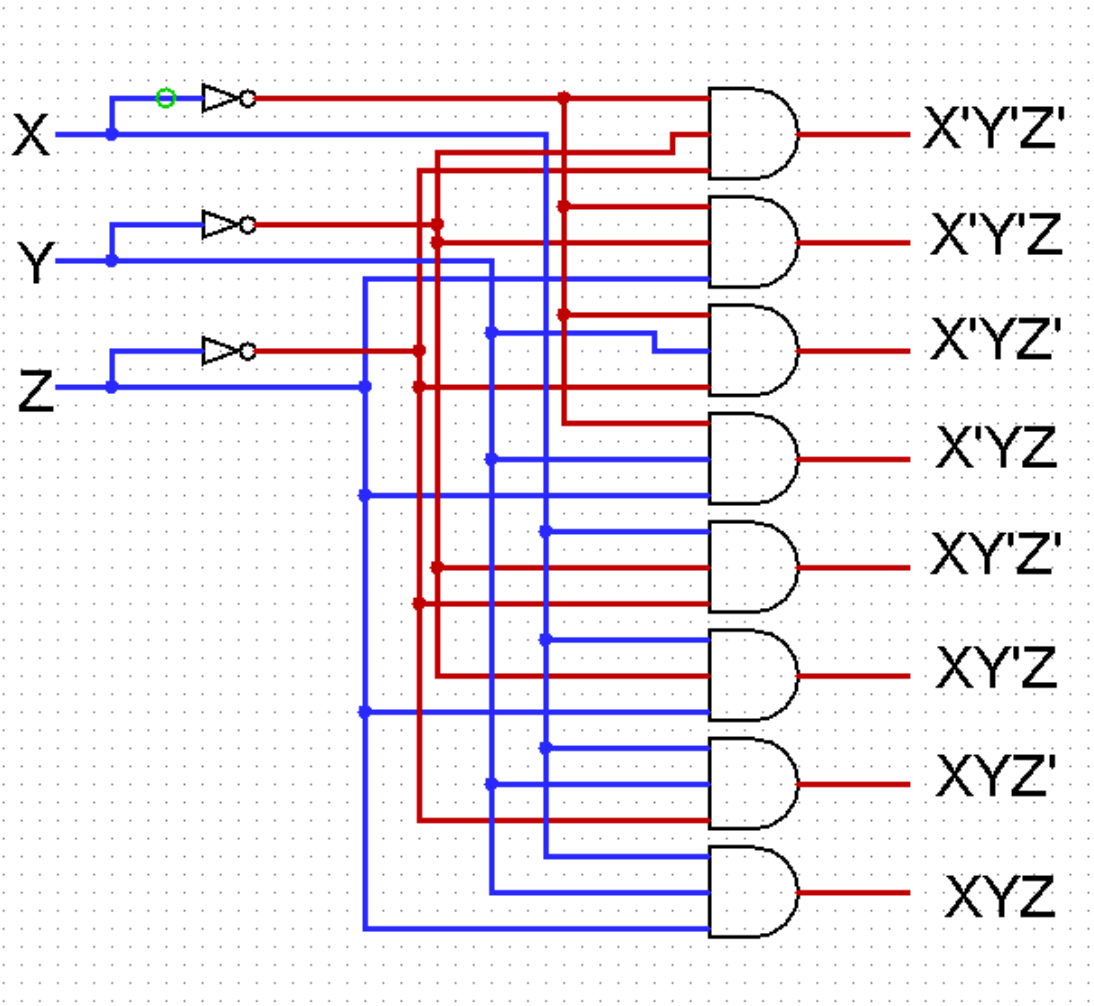
3) A=0, B=1



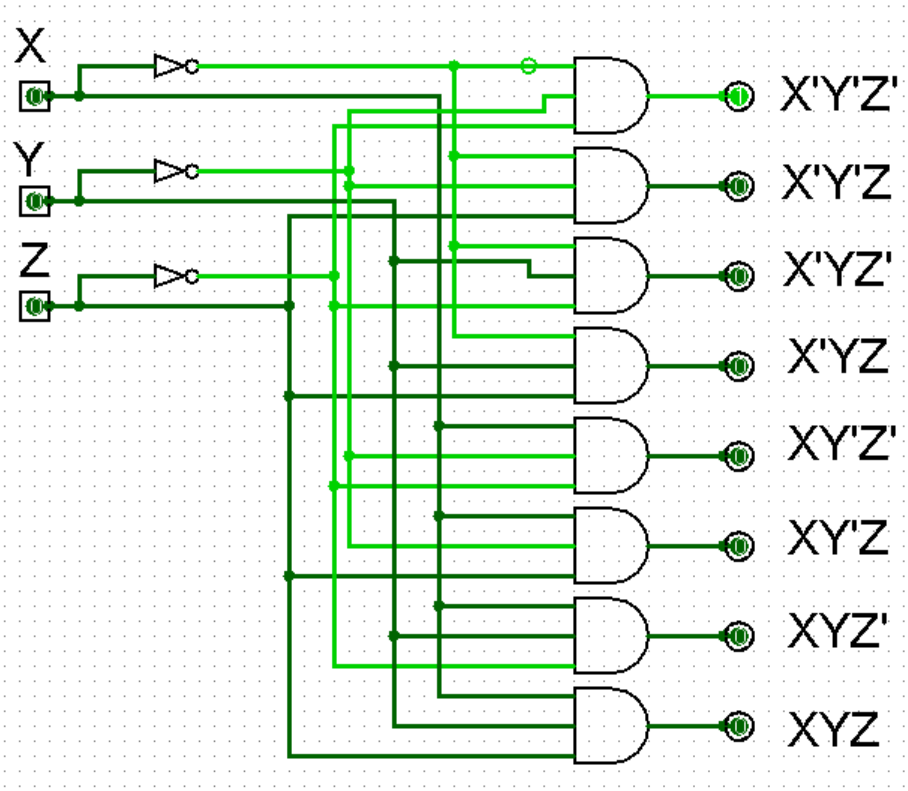
4) A=1, B=1



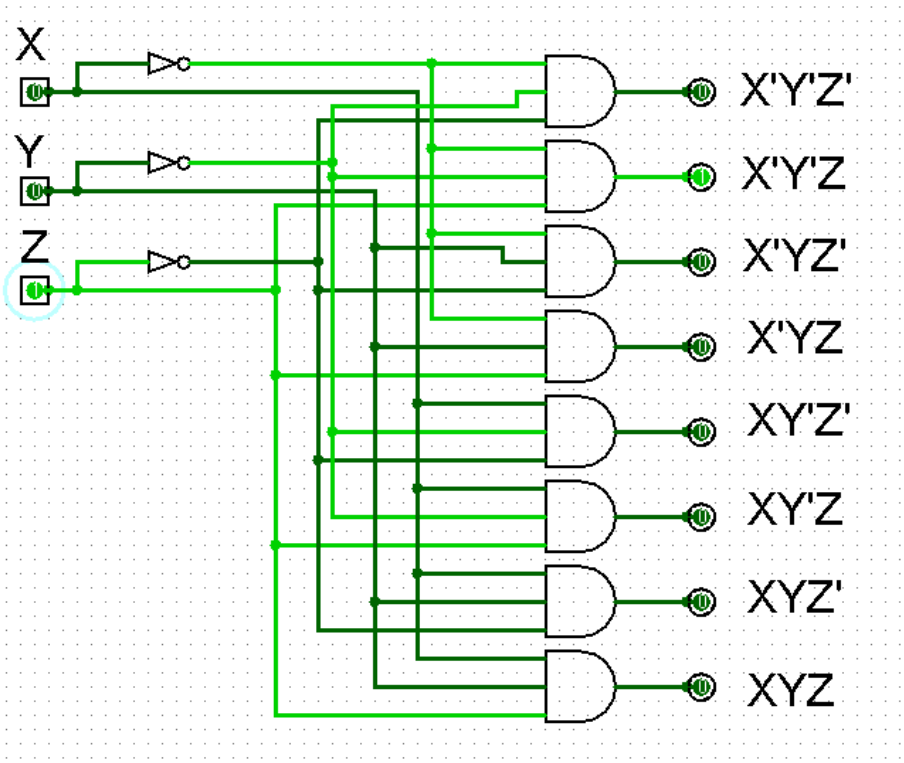
B-6)



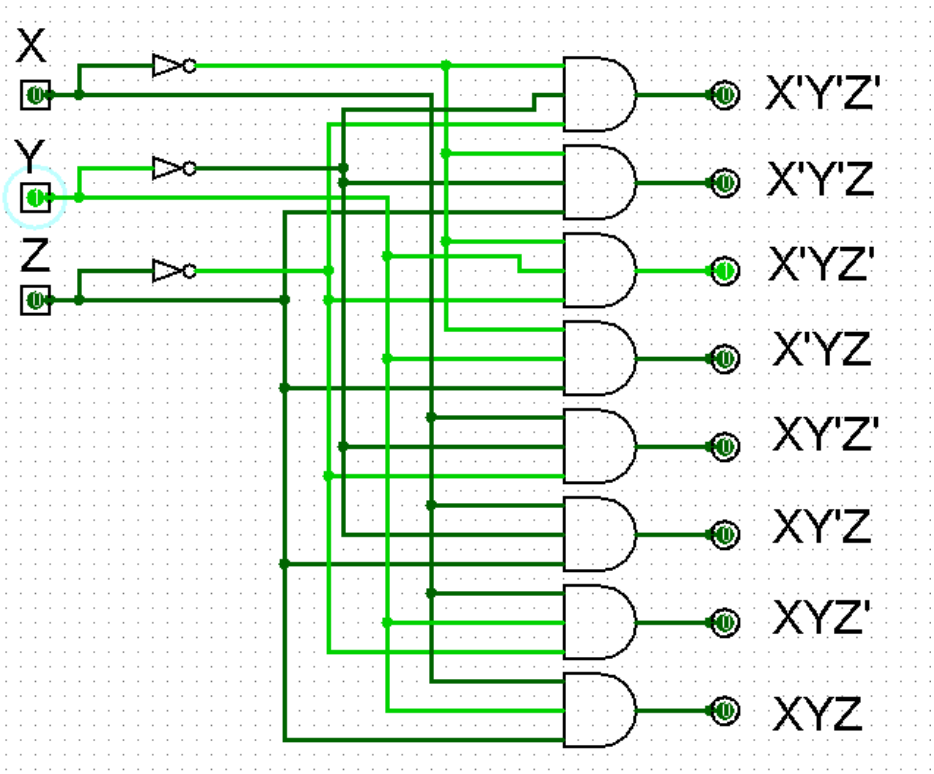
1. F_0


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

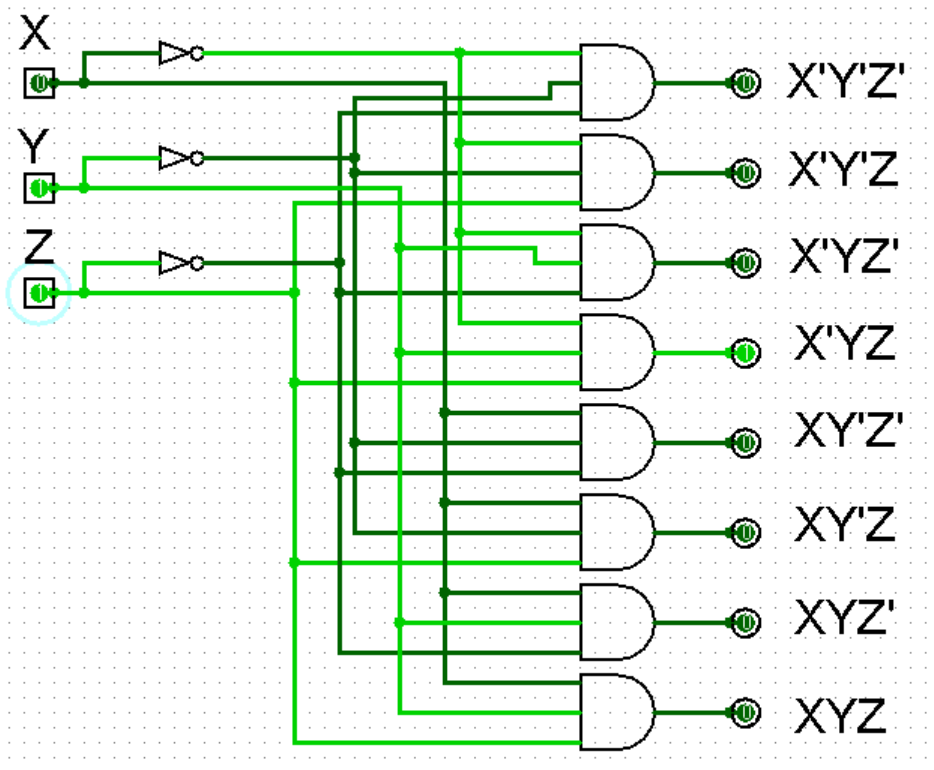
2. F_1


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

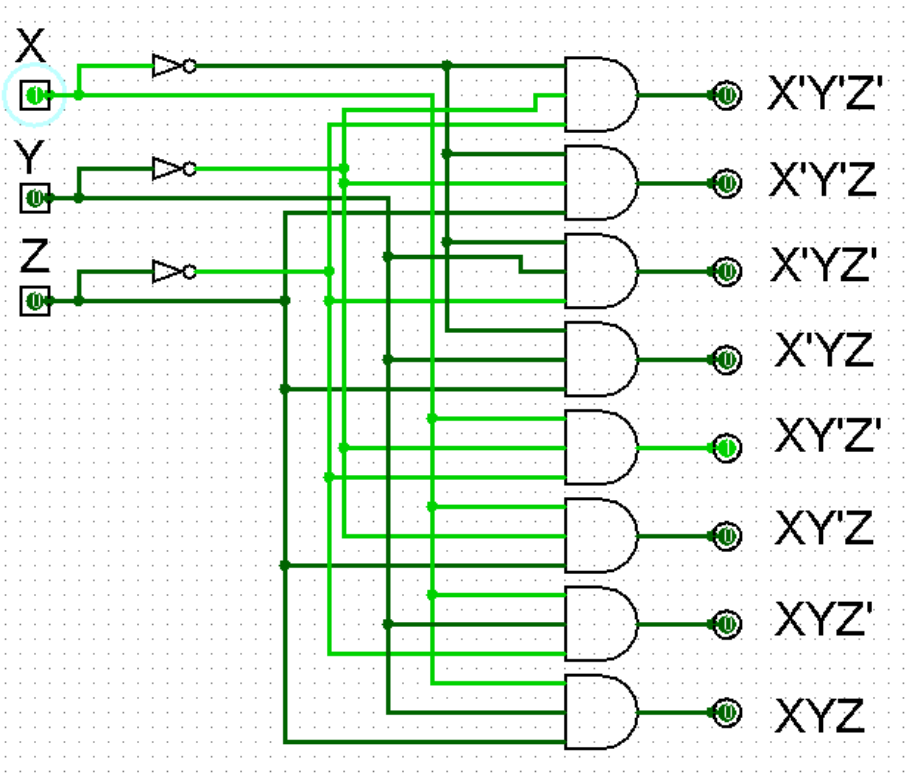
3. F_2


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

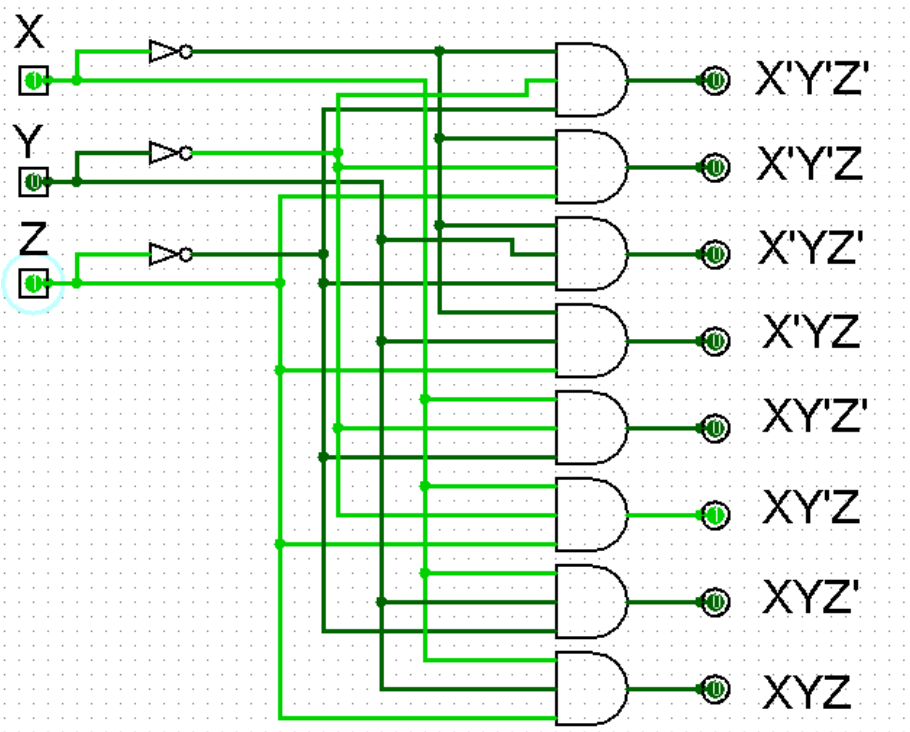
4. F_3


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

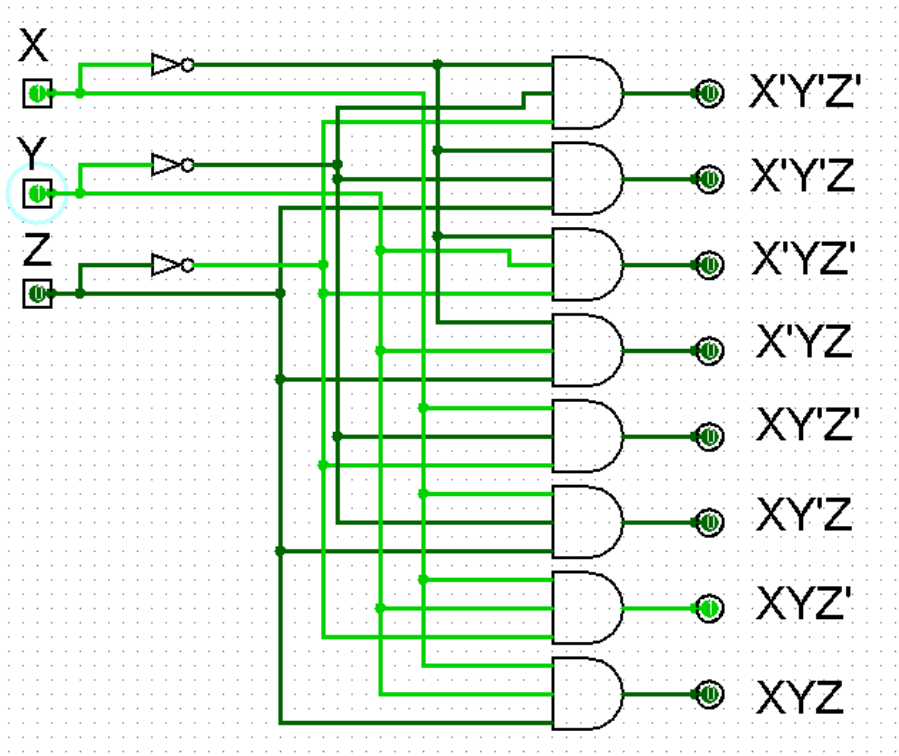
5. F_4


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

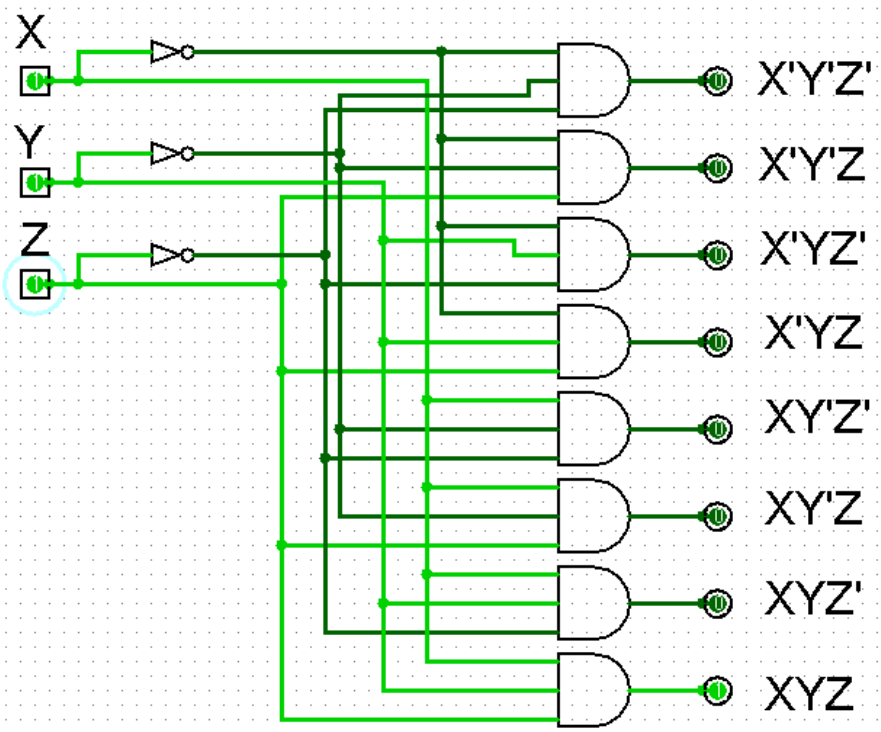
6. F_5


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

7. F_6


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ

8. F_7


X
Y
Z
X'Y'Z'
X'Y'Z
X'YZ'
X'YZ
XY'Z'
XY'Z
XYZ'
XYZ