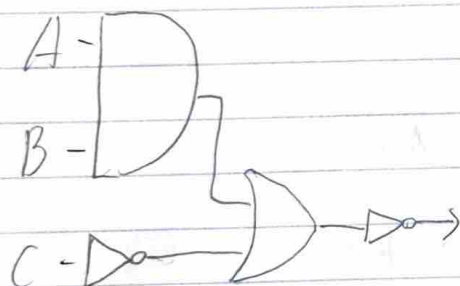
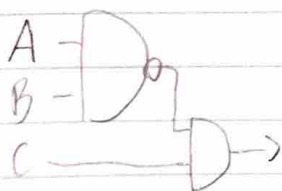


> Class Exercise

1)	A	B	C	$A \cdot B$	$\bar{C}$	$(A \cdot B) + \bar{C}$	$\overline{(A \cdot B) + \bar{C}}$
	0	0	0	0	1	1	0
	0	0	1	0	0	0	1
	0	1	0	0	1	1	0
	0	1	1	0	0	0	1
	1	0	0	0	1	1	0
	1	0	1	0	0	0	1
	1	1	0	1	1	1	0
	1	1	1	1	0	1	0

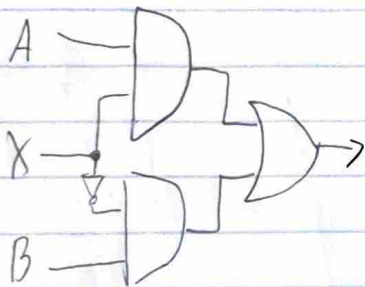


2)	A	B	C	$(A \cdot B)$	$\overline{(A \cdot B) \cdot C}$
	0	0	0	1	0
	0	0	1	1	1
	0	1	0	1	0
	0	1	1	1	1
	1	0	0	1	0
	1	0	1	1	1
	1	1	0	0	0
	1	1	1	0	0



3)

A	B	X	$A \cdot X$	$B \cdot \bar{X}$	$(A \cdot X) + (B \cdot \bar{X})$
0	0	0	0	0	0
0	0	1	0	0	0
0	1	0	0	1	1
0	1	1	0	0	0
1	0	0	0	0	0
1	0	1	1	0	1
1	1	0	0	1	1
1	1	1	1	0	1



4)  $A \rightarrow$   
 $B \rightarrow$

Logically  
equivalent  
to AND

A	B	$(A+B)$
0	0	1
0	1	0
1	0	0
1	1	0

5)

A	B	C	D	$\bar{A}$	$\bar{A} \oplus B$	$(\bar{A} \oplus B) \cdot C$	$\bar{C} + D$	$(\bar{A} \oplus B) \cdot C \cdot (\bar{C} + D)$
0	0	0	0	1	1	0	1	1
0	0	0	1	1	1	0	1	1
0	0	1	0	1	1	1	0	1
0	0	1	1	1	1	1	0	1
0	1	0	0	1	0	0	1	1
0	1	0	1	1	0	0	1	1
0	1	1	0	1	0	0	1	1
0	1	1	1	1	0	0	1	1
1	0	0	0	0	0	0	1	1
1	0	0	1	0	0	0	1	1
1	0	1	0	0	0	0	1	1
1	0	1	1	0	0	0	1	1
1	1	0	0	0	1	0	1	1
1	1	0	1	0	1	0	1	1
1	1	1	0	0	1	1	0	0
1	1	1	1	0	1	1	0	0

