

$$1. A \rightarrow B \& \bar{A} = \bar{A} \vee B \& \bar{A} = A$$

$$2. \overline{\overline{A \vee \bar{B}} \& (B \vee \bar{C})} = A \vee \bar{B} \vee \overline{(B \vee \bar{C})} = A \vee \bar{B} \vee (\bar{B} \& C) = A \vee \bar{B}$$

A	B	C	$A \vee B$	$\overline{A \vee B}$	$B \& \bar{C}$	$\overline{A \vee B} \equiv B \& \bar{C}$
0	0	0	0	1	0	0
0	0	1	0	1	0	0
0	1	0	1	0	1	0
0	1	1	1	0	0	1
1	0	0	1	0	0	1
1	0	1	1	0	0	1
1	1	0	1	0	1	0
1	1	1	1	0	0	1