

Geben Sie die Wahrheitstabellen für folgende Aussageverknüpfungen an:

$$x = (\bar{a} \wedge b) \vee \bar{b}$$

a	b	\bar{a}	\bar{b}	$\bar{a} \wedge b$	x
0	0				
0	1				
1	0				
1	1				

$$x = (\bar{a} \vee b) \wedge (a \vee \bar{b})$$

a	b	\bar{a}	\bar{b}	$\bar{a} \vee b$	$a \vee \bar{b}$	x
0	0					
0	1					
1	0					
1	1					

$$x = (\bar{a} \vee b) \wedge \bar{b}$$

a	b	\bar{a}	\bar{b}	$\bar{a} \vee b$	x
0	0				
0	1				
1	0				
1	1				

$$x = (\bar{a} \wedge b) \vee (a \wedge \bar{b})$$

a	b	\bar{a}	\bar{b}	$\bar{a} \wedge b$	$a \wedge \bar{b}$	x
0	0					
0	1					
1	0					
1	1					

$$x = (a \wedge b) \vee (a \wedge c)$$

a	b	c			
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

$$x = \overline{(a \vee b)} \wedge \overline{(b \vee c)}$$

a	b	c					
0	0	0					
0	0	1					
0	1	0					
0	1	1					
1	0	0					
1	0	1					
1	1	0					
1	1	1					