

a) $A \vee A \& B$

A	B	A&B	$A \vee A \& B$
0	0	0	0
0	1	0	0
1	0	0	1
1	1	1	1

б) $A \& B \vee \neg \overline{A \& B}$

A	B	A&B	$\neg A$	$\neg A \& B$	$A \& B \vee \neg A \& B$
0	0	0	1	0	0
0	1	0	1	1	1
1	0	0	0	0	0
1	1	1	0	0	1

в) $A \& (A \vee B)$

A	B	$A \vee B$	$A \& (A \vee B)$
0	0	0	0
0	1	1	0
1	0	1	1
1	1	1	1

г) $(A \vee B) \& (\overline{A \vee B})$

A	B	$A \vee B$	$\neg A$	$\neg A \vee B$	$(A \vee B) \& (\neg A \vee B)$
0	0	0	1	1	0
0	1	1	1	1	1
1	0	1	0	0	0
1	1	1	0	1	1

д) $B \& (A \vee B \vee C)$

A	B	C	$A \vee B \vee C$	$B \& (A \vee B \vee C)$
0	0	0	0	0
0	0	1	1	0
0	1	0	1	1
0	1	1	1	1
1	0	0	1	0
1	0	1	1	0
1	1	0	1	1
1	1	1	1	1

е) $\overline{A \& B \vee C}$

A	B	C	A&B	$A \& B \vee C$	$\neg(A \& B \vee C)$
0	0	0	0	0	1
0	0	1	0	1	0
0	1	0	0	0	1
0	1	1	0	1	0
1	0	0	0	0	1
1	0	1	0	1	0
1	1	0	1	1	0
1	1	1	1	1	0