

P	T	T	T	T	F	F	F	F	P
Q	T	T	F	F	T	T	F	F	Q
R	T	F	T	F	T	F	T	T	R
$Q \vee R$	T	F	F	F	T	F	F	F	$Q \vee R$
P_1	T	T	T	T	T	F	F	F	P_1
$P \text{ and } Q$	T	T	T	T	T	T	F	F	$P \text{ and } Q$
P_2	T	F	T	F	T	F	F	F	P_2
$Q \text{ and } R$	T	T	T	F	T	T	T	F	$Q \text{ and } R$
P_3	T	T	T	F	F	F	F	F	P_3
$P \vee Q$	T	T	F	F	T	F	F	F	$P \vee Q$
P_4	T	T	T	F	T	F	T	F	P_4
P_5	T	T	T	T	T	F	T	T	P_5
$Q \vee R$	T	F	F	F	T	F	F	F	$Q \vee R$
P_6	T	T	F	F	T	F	F	F	P_6
P_7	T	F	T	T	T	T	T	T	P_7
P_8	T	F	T	T	T	T	T	T	P_8
$P \Rightarrow Q$	T	F	F	F	T	T	T	T	$P \Rightarrow Q$
P_9	T	F	T	F	T	F	F	F	P_9
$\text{not } Q \Rightarrow R$	T	F	F	F	F	T	T	T	$\text{not } Q \Rightarrow R$
P_{10}	T	F	F	F	T	F	F	F	P_{10}