









































Truth Table												
 Truth value: whether a sentence is true or false. Truth table: complete list of truth values for a sentence given all possible values of the individual atomic expressions (defining their semantics). 												
	P	Q	$\neg P$	$P \wedge Q$	$P \lor Q$	$P \Rightarrow Q$	$P \Leftrightarrow Q$					
	P false		[$P \wedge Q$ false	$\begin{array}{c} P \lor Q \\ false \end{array}$	$\begin{array}{c} P \Rightarrow Q \\ true \end{array}$	$\begin{array}{c}P \Leftrightarrow Q\\ \hline true\end{array}$					
24		false	true	-	-							
2 .~1	false	false	true true	false	false true	true	true					

PS: Propositional Inference by Enumeration Method (Model Checking)														
	$M(kB) = \{m4, nt, n7, n8\}$ $M(\alpha) = \{n3, n4, n7, n8, n7, n8\}$													
Let $\alpha = A \lor B$ and $KB = (A \lor C) \land (B \lor \neg C)$														
	(b)M SCHOOL													
Is it the case that $KB \models \alpha$? Check all possible models— α must be true wherever KB is true														
							1	1						
10227021	A	B	C	$A \lor C$	$B \lor \neg C$	KB	α							
mi	False	False	False	False	True	False	False							
mz	False	False	True	True	False	False	False							
h.3	False	True	False	False	True	False	True							
m4	False	True	True	True	True	True	True							
25	True	False	False	True	True	True	True							
46	True	False	True	True	False	False	True							
27	True	True	False	True	True	True	True							
m8	True	True	True	True	True	True	True							
					1			1)						
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