Problem Set: Logical Equivalence 1. Show that - (pag) = 7p v 7g "Same truth value" 2. Show that pr(qur) = (prq) v(prr) "Same truth

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3. Show that $p > q \neq 7p > 7q$ "Different truth table values" $P = \left| \begin{array}{c|c} q_T & P > q \\ \hline T & F \end{array} \right| = \left| \begin{array}{c|c} Tp & 7q \\ \hline T & T \end{array} \right| + Different \\ \hline F & T \end{array} = \left| \begin{array}{c|c} T & F \\ \hline T & T \end{array} \right| + Different \\ \hline F & T \end{array}$

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Problem Set: Logical Equivalence

PTTTTFFFF PTTTTFFFF PTTTFFFFF PTTTFFFFF PTTTFFFFF PTTTFFFF PTTTFFFF PTTTFFFF PTTTFFFF PTTTFFFF PTTTFFFF PTTTFFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFFF PTTTFF PTTTFF PTTTFF PTTF PTTF PTTFF PTTF

(p)	9) - (0	11)
	TTE	
	FF	
	F	

3. Show that $p > q \neq 7p > 7q$ "Different truth table values" $P = \left(\frac{q}{T} \right) \left(\frac{p}{T} \right) \left(\frac{7p}{T} \right)$

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