

HOW I MIGHT TYPE UP WORK FOR A PROBLEM EXAMPLE

b)

$(\text{NOT } P \text{ ENTAILS } Q) \text{ AND } (Q \text{ ENTAILS } P) == P$

Law of implication

$(\text{NOT NOT } P \text{ OR } Q) \text{ AND } (\text{NOT } Q \text{ OR } P) == P$

Double negation

$(P \text{ OR } Q) \text{ AND } (\text{NOT } Q \text{ OR } P) == P$

distribution

$((P \text{ OR } Q) \text{ AND } \text{NOT } Q) \text{ OR } ((P \text{ OR } Q) \text{ AND } P) == P$

negation

$((P \text{ AND } \text{NOT } Q) \text{ OR } (Q \text{ AND } \text{NOT } Q)) \text{ AND } ((P \text{ AND } P) \text{ OR } (P \text{ AND } Q)) == P$

Aijfosdsdasdf

a)

Parking is allowed on saturday & sunday

if it is sunday **or if** it is saturday, **then** parking is allowed

P	Q	P AND Q	(P AND Q) AND (P OR Q)	P OR Q
T	T	T	T	T
T	F	F	F	T
F	T	F	F	T
F	F	F	F	F

P	Q	R	Q ENTAILS R	P ENTAILS (Q ENTAILS R)	P AND Q	(P AND Q) ENTAILS R
T	T	T	T	T	T	T

T	T	F	F	F	T	F
T	F	T	T	T	F	T
T	F	F	T	T	F	T
F	T	T	T	T	F	T
F	T	F	F	T	F	T
F	F	T	T	T	F	T
F	F	F	T	T	F	T

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TABLE{
P-Q-R-(Q ENTAILS R)-P ENTAILS (Q ENTAILS R)-
}
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Let's see how it handles some of this stuff....

NEWPAGE

And then a new page here..... (how do we tell organic newpage from inorganic?)

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Oops should've written something **after** the image....