

pg 18-19 1-23 odd  $P \rightarrow T, F \rightarrow T$   
 $\neg P \rightarrow T, F \rightarrow T$

①  $P \rightarrow Q = T \rightarrow F = F$  Dec Dec

③  $P \rightarrow r = T \rightarrow T = T$

⑤  $P \rightarrow \neg r = T \rightarrow \neg T = T \rightarrow F = F$

⑦  $\sim P \rightarrow Q = F \rightarrow F = T$

⑨  $(P \wedge Q) \rightarrow r = T$

⑪  $(P \wedge Q) \rightarrow \sim r = T$

⑬  $P \rightarrow (r \wedge \sim r) = F$

⑮  $Q \rightarrow (\sim P \vee r) = T$

⑰  $M \rightarrow \sim H$

⑲  $\sim J \rightarrow T$

⑲  $(C \vee H) \rightarrow S$

⑳  $\sim S \rightarrow (F \rightarrow C)$

# 1.5 Cont.

Oct. 06, 2006

Construct the Truth Table for the Following:

Reference table 6

$$p \rightarrow (p \wedge \sim q)$$

$p$	$q$	$\sim q$	$(p \wedge \sim q)$	$p \rightarrow (p \wedge \sim q)$
T	T	F	F	F
T	F	T	T	T
F	T	F	F	T
F	F	T	F	T

reference table

$$(\sim p \vee q) \rightarrow p$$

$p$	$q$	$\sim p$	$(\sim p \vee q)$	$(\sim p \vee q) \rightarrow p$
T	T	F	T	T
T	F	F	F	T
F	T	T	T	F
F	F	T	T	F

reference  
table 8

$$(r \vee s) \rightarrow \sim s$$

$r$	$s$	$\sim s$	$(r \vee s)$	$(r \vee s) \rightarrow \sim s$
T	T	F	T	F
T	F	T	T	T
F	T	F	T	F
F	F	T	F	T

**O.T.L.**

**① Pg. 18-19: 2-22 (e)**

**Do All of Each!**