

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

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.

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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

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

reference
2nd Table

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!