

Quiz #1

SOLUTIONS

1. { 10 points } Construct a truth table for the compound proposition

$$(p \leftrightarrow q) \oplus (p \rightarrow \neg r)$$

p	q	r	$p \leftrightarrow q$	$\neg r$	$p \rightarrow \neg r$	$(p \leftrightarrow q) \oplus (p \rightarrow \neg r)$
T	T	T	T	F	F	T
T	T	F	T	T	T	F
T	F	T	F	F	F	F
T	F	F	F	T	T	T
F	T	T	F	F	T	T
F	T	F	F	T	T	T
F	F	T	T	F	T	F
F	F	F	T	T	T	F