

Answer to Question #86178, Math / Discrete Mathematics

b. Given that p and q are propositions, construct the truth table of:

i. $p \rightarrow q$

Answer. The truth table is below.

p	q	$p \rightarrow q$
F	F	T
F	T	T
T	F	F
T	T	T

ii. $p \leftrightarrow q$

Answer. The truth table is below.

p	q	$p \leftrightarrow q$
F	F	T
F	T	F
T	F	F
T	T	T

Remark. “T” means true, “F” means false.