

The Material Conditional \square

“If P, then Q”

P \square Q

antecedent consequent

In other words, whenever sentence **P** is true (in some world), sentence **Q** will also be true (in that world) . . . but not necessarily vice versa.

Truth table for the **Material Conditional**

P	Q	$P \supset Q$
T	T	T
T	F	F
F	T	T
F	F	T

P \Rightarrow **Q**

Various ways you may see it translated:

Notice:

“if P then Q” **if P ...**

“if P, Q” **if P ...**

“Q if P” **... if P**

“Q provided P” **... provided P**

“provided P, Q” **provided P ...**