

Reference Sheet 2.3.

Conditional Sentences

Statements of sufficient condition

if <u>what?</u> then q if p, then q if p, q q, if p in the event that p, q in the case that p, q provided p, q (sometimes)	p is sufficient for q if p then q	$p \supset q$
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Statements of requirement (a.k.a. statements of necessary condition)

if p then <u>what?</u> p requires q if p then it must be that q not p unless q not p without q p only if q	q is necessary for p if not q then not p if p then q	$\sim q \supset \sim p$ $p \supset q$
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Statements of equal condition (a.k.a. statements of necessary condition *and* sufficient condition)

p if and only if q p if q, and p only if q if p then q, and if q then p p when and only when q p in case and only in case that q p just in the case that q p, provided q (sometimes) p, but only if q p equals q	p and q are equal conditions p is a nec. and suf. cond. for q p if and only if q	$(p \supset q) \& (q \supset p)$ $p \equiv q$
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Statements qualified by condition (here p is often affirmative)

definitely p, unless q unless q, p p, except if q	if the qualification q does not occur, then p is true	$\sim q \supset p$
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