

Lecture 2 Example

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Jan 22 2026

“If a user is active, at least one network link will be available.”

p : ”A user is Active”

q : ”A network link will be available”

Starting with:

$$p \rightarrow q$$

and $p \rightarrow q \equiv \neg p \vee q(x)$

negation:

$$\neg(p \rightarrow q)$$

$$\neg(p \rightarrow q) \equiv p \wedge \neg q(x)$$

. \therefore if a user is active, and all newtwork links are not available.