Notes_7

(porq)xor(pandr) => (pxor)xor(pxorr)

What are the truth values of p, q, r that make LHS T?

 $\begin{array}{c} porq \mid \mathsf{T} \\ pandr \mid \mathsf{F} \end{array}$

р	q	r	RHS
Т	Т	F	F xor T = T
Т	F	F	T xor F = T
F	Т	Т	T xor F = T
F	Т	F	T xor T = T

This logical implication is invoked by

- 1.p|F
- 2. q | T
- 3. r | F

(pxorq)xor(qxorr) => (porq)xor(pandr)

What makes LHS T?

(pxorq)xor(qxorr) | T

- 1. $pxorq \mid T qxorr \mid F$
- 2. *pxorq* | F *qxorr* | T