

## Theorema 2.0: A First Tour

**Proposition :** FIRST TEST, 2014

$$((\forall x (P[x] \vee Q[x]) \wedge \forall y (P[y] \rightarrow Q[y])) \iff \forall x Q[x])$$

**Definition :** LEXICAL ORDERING

$$\forall ab (LessTM_{lex}(a)b : \iff \exists (a_i < b_i \wedge \forall a_j = b_j))$$

**Definition :** MONOMIALS

$$\forall Km2 (Mon[K]_{TimesTM}(m1,m2) := (K_{TimesTM}(m1_1,m2_1), [PlusTM](m1_{2i},m2_{2i})))$$

**Definition :** SUBSET

$$\forall xy (x \subseteq y := \forall z (zx \rightarrow zy))$$

**Proposition :** TRANSITIVITY OF

$$\forall ac ((a \subseteq b \wedge b \subseteq c) \rightarrow a \subseteq c)$$