### Theorema 2.0: A First Tour

NB reached List of cells reached CellGroupData reached List of cells reached NullCell reached

We consider "proving", "computing", and "solving" as the three basic mathematical activities.

CellGroupData reached List of cells reached

### 1 Proving

We want to prove

$$(\mathop{\forall}_x (P[x] \vee Q[x])) \wedge (\mathop{\forall}_y (P[y] \Rightarrow Q[y])) \Leftrightarrow (\mathop{\forall}_x Q[x]).$$

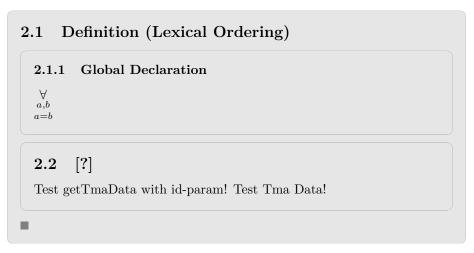
To prove a formula like the above, we need to enter it in the context of a Theorema environment.

### 1.1 Proposition (First Test, 2014)

Test getTmaData with id-param! Test Tma Data!

Cell reached CellGroupData reached List of cells reached Cell reached CellGroupData reached List of cells reached

# 2 Computing

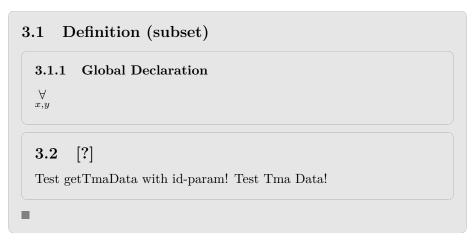


Cell reached CellGroupData reached List of cells reached Cell reached Cell reached CellGroupData reached List of cells reached Cell reached CellGroupData reached List of cells reached Cell reached

# 2.3.1 Global Declaration ∀ Z.3.2 Global Declaration Mon[K]:=∆ M 2.3.3 Global Declaration ∀ m1,m2 2.4 [?] Test getTmaData with id-param! Test Tma Data! 2.5 [?] Test getTmaData with id-param! Test Tma Data!

Cell reached CellGroupData reached List of cells reached Cell reached Cell reached CellGroupData reached List of cells reached Cell reached CellGroupData reached List of cells reached Cell reached Cell reached CellGroupData reached List of cells reached Cell reached CellGroupData reached List of cells reached Cell reached CellGroupData reached List of cells reached

# 3 Set Theory



Cell reached

## 3.3 Proposition (transitivity of $\subseteq$ )

Test getTmaData with id-param! Test Tma Data!

Cell reached CellGroupData reached List of cells reached Cell reached