

File: ws3.pr

Lemma 1 $[p:term] \mathbf{T} p$.

Proof. $\mathbf{T} p$ by **GAP**. \square

Lemma 2 $[p:succes] \mathbf{S} p$.

Proof. \perp by **GAP**. \square

Lemma 3 $[q:succes] \mathbf{S} q$.

Proof. \perp by **GAP**. \square

Lemma 4 $[p:faux_implique_tout] \mathbf{F} p \rightarrow a = b$.

Proof. \perp by **GAP**. \square

Lemma 5 $[r:succes] \mathbf{S} r$.

Proof. \perp by **GAP**. \square

Lemma 6 $[r:term] \mathbf{T} r$.

Proof. \perp by **GAP**. \square

Lemma 7 $[s:succes] \mathbf{S} s$.

Proof. \perp by **GAP**. \square

Lemma 8 $[s:term] \mathbf{T} s$.

Proof. \perp by **GAP**. \square

Lemma 9 $[t:succes] \mathbf{S} t$.

Proof. \perp by **GAP**. \square

Lemma 10 $[u:total] \mathbf{T} u \rightarrow \mathbf{S} u \vee \mathbf{F} u$.

Proof. \perp by **GAP**. \square

Lemma 11 $[v:succes] \mathbf{S} v$.

Proof. \perp by **GAP**. \square

Lemma 12 $[w:term] \mathbf{T} w$.

Proof. \perp by **GAP**. \square