

Assume the following.

$$(\forall V0p \in 2. (\forall V1q \in 2. ((\neg((p V0p) \vee (p V1q))) \Rightarrow (\neg(p V0p))))) \quad (73)$$

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Theorem 1

$$\begin{aligned} & \forall A_27a.\text{nonempty } A_27a \Rightarrow \forall A_27b.\text{nonempty } A_27b \Rightarrow (\\ & \quad \forall V0f \in ((2^{A_27b})^{A_27a}).(\forall V1l1 \in (ty_2Elist_2Elist \\ & \quad A_27a).(\forall V2l2 \in (ty_2Elist_2Elist A_27b).(\forall V3n \in \\ & \quad ty_2Enum_2Enum.(((p (ap (ap c_2Earithmetic_2E_3C_3D V3n) (ap \\ & \quad (c_2Elist_2ELENGTH A_27a) V1l1))) \wedge (p (ap (ap (ap (c_2Elist_2ELIST_REL \\ & \quad A_27a A_27b) V0f) V1l1) V2l2))) \Rightarrow (p (ap (ap (ap (c_2Elist_2ELIST_REL \\ & \quad A_27a A_27b) V0f) (ap (ap (c_2Erich_list_2EBUTLASTN A_27a) V3n) \\ & \quad V1l1)) (ap (ap (c_2Erich_list_2EBUTLASTN A_27b) V3n) V2l2))))))) \end{aligned}$$