

Theorem 1

$$\begin{aligned} & \forall A_27a.nonempty\ A_27a \Rightarrow (\forall V0P \in (2^{A_27a}). (\forall V1Q \in \\ & (2^{A_27a}). ((p\ (ap\ (c_2Ebool_2E_3F_21\ A_27a)\ (\lambda V2x \in A_27a. \\ & (ap\ (ap\ c_2Ebool_2E_5C_2F\ (ap\ V0P\ V2x))\ (ap\ V1Q\ V2x)))))) \Rightarrow ((p\ (ap \\ & (c_2Ebool_2E_3F_21\ A_27a)\ (\lambda V3x \in A_27a.(ap\ V0P\ V3x)))) \vee (p \\ & (ap\ (c_2Ebool_2E_3F_21\ A_27a)\ (\lambda V4x \in A_27a.(ap\ V1Q\ V4x)))))) \end{aligned}$$