

t61\_tex\_3

(TMLgu7kPBP8q9jfQ53qncTQGwmpcHSEwCX3)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v2\_pre\_topc : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $m1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_tex\_3 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_tsep\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_tex\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v3\_tdlat\_3 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v2\_pre\_topc X0) \wedge (v3\_tdlat\_3 \\ X0) \wedge (l1\_pre\_topc X0))) \Rightarrow (\forall X1. (m1\_pre\_topc X1 X0) \Rightarrow ((( \\ v1\_tex\_2 X1 X0) \wedge (v1\_tex\_3 X1 X0)) \Rightarrow (\neg v1\_tsep\_1 X1 X0))) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} \forall X0. ((\neg v2\_struct\_0 X0) \wedge ((v2\_pre\_topc X0) \wedge (l1\_pre\_topc \\ X0))) \Rightarrow (\neg (\exists X1. ((\neg v2\_struct\_0 X1) \wedge (m1\_pre\_topc X1 X0)) \wedge \\ ((v1\_tex\_3 X1 X0) \wedge ((v1\_tsep\_1 X1 X0) \wedge (v1\_tex\_2 X1 X0)))) \wedge (v3\_tdlat\_3 \\ X0)) \end{aligned}$$