

t4\_pencil\_3  
(TMY7R3CTmz1nDLXbp9nFHAPhvor3hV8vzhL)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v3\_pencil\_1 : \iota \Rightarrow o$  be given. Let  $v6\_pencil\_1 : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $v10\_pencil\_1 : \iota \Rightarrow o$  be given. Let  $v9\_pencil\_1 : \iota \Rightarrow o$  be given. Let  $v8\_pencil\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. ((\neg v3\_pencil\_1 X0) \wedge ((v6\_pencil\_1 X0) \wedge (l1\_pre\_topc X0))) \Rightarrow ((v10\_pencil\_1 X0) \Rightarrow (v8\_pencil\_1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge ((\neg v3\_pencil\_1 X0) \wedge ((v6\_pencil\_1 X0) \wedge ((v8\_pencil\_1 X0) \wedge (l1\_pre\_topc X0))))) \Rightarrow ((v10\_pencil\_1 X0) \Rightarrow (v9\_pencil\_1 X0)) \quad (2)$$

**Theorem 1**

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge ((\neg v3\_pencil\_1 X0) \wedge ((v6\_pencil\_1 X0) \wedge (l1\_pre\_topc X0)))) \Rightarrow ((v10\_pencil\_1 X0) \Rightarrow (v9\_pencil\_1 X0))$$