

t3\_qmax\_1 (TM-  
NUyqhUER2Womg2PAoNRWeMvC3asjb8GWJ)

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Let  $v2\_qmax\_1 : \iota \Rightarrow o$  be given. Let  $l1\_qmax\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_qmax\_1 : \iota \Rightarrow \iota$  be given. Let  $r3\_qmax\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. (((v2\_qmax\_1 X0) \wedge (l1\_qmax\_1 \\ X0)) \wedge ((m1\_subset\_1 X1 (k5\_qmax\_1 X0)) \wedge (m1\_subset\_1 X2 (k5\_qmax\_1 \\ X0)))) \Rightarrow (r3\_qmax\_1 X0 X1 X1) \end{aligned} \tag{1}$$

**Theorem 1**

$$\forall X0. ((v2\_qmax\_1 X0) \wedge (l1\_qmax\_1 X0)) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k5\_qmax\_1 X0)) \Rightarrow (r3\_qmax\_1 X0 X1 X1))$$