

t48\_fomodel0  
(TMdU9zRiRzCHDs7PrqJzRJHP2eo35T7Ziz7)

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Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. k2\_xboole\_0 (k3\_xboole\_0 X0 X1) (k4\_xboole\_0 X0 X1) = X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k6\_subset\_1 X0 X1 = k4\_xboole\_0 X0 X1 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k2\_xboole\_0 X0 X1 = k2\_xboole\_0 X1 X0 \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. X0 = k2\_xboole\_0 (k6\_subset\_1 X0 X1) (k3\_xboole\_0 X0 X1)$$