

t55_modelc_3 (TM-
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Let $k3_tarSKI : \iota \Rightarrow \iota$ be given. Let $k1_orders_1 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (\neg v1_xboole_0 X1) \Rightarrow ((r1_tarSKI X1 X0) \Leftrightarrow (X1 \in k1_orders_1 X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarSKI X0 X0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k3_tarSKI X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (\exists X3. (X2 \in X3) \wedge (X3 \in X0))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarSKI X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Theorem 1 $\forall X0. k3_tarSKI (k1_orders_1 X0) = X0.$