

t2_tex_2

(TMHBgM8JoerVfAtcECGjCtjk2YXY9unoATP)

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Let $v3_card_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (v3_card_1 X1 np_1) \Rightarrow ((r1_tarSKI X0 X1) \Rightarrow (X0 = X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarSKI (k3_xboole_0 X0 X1) X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k3_xboole_0 X0 X1 = k3_xboole_0 X1 X0 \quad (3)$$

Theorem 1

$$\forall X0. (v3_card_1 X0 np_1) \Rightarrow (\forall X1. (\neg v1_xboole_0 (k3_xboole_0 X0 X1)) \Rightarrow (r1_tarSKI X0 X1))$$