

t39_fomodel0 (TM-
MUe4ysup8CMaV1C857iMGdLVRc3pyV4Nj)

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Let $v1_xboolean : \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboolean : \iota$ be given. Let $k2_xboolean : \iota$ be given. Assume the following.

$$\neg v1_xboole_0 \ np_1 \tag{1}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{2}$$

Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \tag{3}$$

Assume the following.

$$\forall X0.(v1_xboolean \ X0) \Leftrightarrow ((X0 = k1_xboolean) \vee (X0 = k2_xboolean)) \tag{4}$$

Assume the following.

$$k2_xboolean = np_1 \tag{5}$$

Assume the following.

$$k1_xboolean = k6_numbers \tag{6}$$

Theorem 1 $\forall X0.(v1_xboolean \ X0) \Rightarrow ((X0 = np_1) \Leftrightarrow (X0 \neq k1_xboole_0)).$