

t143_xboolean
(TMZpHvq7RZBczQpu9voKvLhfGqpgS3vVQpm)

October 27, 2020

Let $v1_xboolean : \iota \Rightarrow o$ be given. Let $k3_xboolean : \iota \Rightarrow \iota$ be given. Let $k7_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboolean : \iota$ be given. Let $k6_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboolean : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboolean X0) \Rightarrow (k3_xboolean (k6_xboolean X0 X0) = k1_xboolean) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xboolean X0) \Rightarrow (k7_xboolean X0 X0 = k2_xboolean) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xboolean X0) \Rightarrow (k6_xboolean X0 X0 = k2_xboolean) \quad (3)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (4)$$

Assume the following.

$$k2_xboolean = np_1 \quad (5)$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota.v1_xboole_0 X0) \quad (6)$$

Assume the following.

$$k1_xboolean = k6_numbers \quad (7)$$

Theorem 1

$$\forall X0.(v1_xboolean X0) \Rightarrow (k3_xboolean (k7_xboolean X0 X0) = k1_xboolean)$$