

t147_xboolean (TMP- kfm9LSWjEmE7Vr2bDaPFv3NgbVRfMPEy)

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Let $v1_xboolean : \iota \Rightarrow o$ be given. Let $k10_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboolean : \iota$ be given. Let $k3_xboolean : \iota \Rightarrow \iota$ be given. Let $k7_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboolean X0) \Rightarrow (k3_xboolean (k7_xboolean X0 X0) = k1_xboolean) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xboolean X0) \Rightarrow (\forall X1.(v1_xboolean X1) \Rightarrow (k10_xboolean X0 X1 = k3_xboolean (k7_xboolean X0 X1))) \quad (2)$$

Theorem 1 $\forall X0.(v1_xboolean X0) \Rightarrow (k10_xboolean X0 X0 = k1_xboolean)$.