t58_bvfunc_1 (TMdNCjdQfC-zLo8k5TVgFxNdYs8UHQQtC5fk)

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Let $v1\_xboolean : \iota \Rightarrow o$ be given. Let $k7\_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8\_margrel1 : \iota$ be given. Let $k3\_xboolean : \iota \Rightarrow \iota$ be given. Let $k7\_margrel1 : \iota$ be given. Let $k1\_xboolean : \iota$ be given. Let $k2\_xboolean : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xboolean\ X0) \Rightarrow (k3\_xboolean\ (k7\_xboolean\ X0\ X0) = k1\_xboolean) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xboolean\ X0) \Rightarrow (k7\_xboolean\ X0\ X0 = k2\_xboolean) \tag{2}$$

Assume the following.

$$k8\_margrel1 = k2\_xboolean \tag{3}$$

Assume the following.

$$k7\_margrel1 = k1\_xboolean \tag{4}$$

Theorem 1

$$\forall X0.(v1\_xboolean\ X0) \Rightarrow ((k7\_xboolean\ X0\ X0 = k8\_margrel1) \wedge (k3\_xboolean\ (k7\_xboolean\ X0\ X0) = k7\_margrel1))$$