

t59\_bvfunc\_1

(TMZTNBqy86TPRfdZnCaZBj5YBZ2MBb2KbCF)

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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  $k10\_xboolean : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xboolean X0) \Rightarrow (\forall X1.(v1\_xboolean X1) \Rightarrow (k10\_xboolean X0 X1 = k3\_xboolean (k7\_xboolean X0 X1))) \quad (1)$$

**Theorem 1**

$$\forall X0.(v1\_xboolean X0) \Rightarrow (\forall X1.(v1\_xboolean X1) \Rightarrow (k3\_xboolean (k7\_xboolean X0 X1) = k10\_xboolean X0 X1))$$