t42_xxreal_0 (TMJx8ffXtEBcRYP3BBW3aZbVtL2DZmyUcmM)

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Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k3\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xxreal\_0 : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (r1\_xxreal\_0\ X0\ k1\_xxreal\_0) \tag{1}$$

Assume the following.

$$v1\_xxreal\_0\ k1\_xxreal\_0 \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (((r1\_xxreal\_0\ X0\ X1) \Rightarrow (k3\_xxreal\_0\ X0\ X1 = X0)) \wedge ((\neg r1\_xxreal\_0\ X0\ X1) \Rightarrow (k3\_xxreal\_0\ X0\ X1 = X1)))) \tag{3}$$

Assume the following.

$$k1\_xxreal\_0 = k1\_numbers \tag{4}$$

Theorem 1 $\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (k3\_xxreal\_0\ X0\ k1\_xxreal\_0 = X0)$.