

t43_xxreal_0 (TMQtQvcD- vpu3R4zDgXgiUx3pFHeKERCeVrS)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k4_xxreal_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xxreal_0 : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (r1_xxreal_0 k2_xxreal_0 X0) \quad (1)$$

Assume the following.

$$v1_xxreal_0 k2_xxreal_0 \quad (2)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((r1_xxreal_0 X1 X0) \Rightarrow (k4_xxreal_0 X0 X1 = X0)) \wedge ((\neg r1_xxreal_0 X1 X0) \Rightarrow (k4_xxreal_0 X0 X1 = X1)))) \quad (3)$$

Theorem 1 $\forall X0.(v1_xxreal_0 X0) \Rightarrow (k4_xxreal_0 X0 k2_xxreal_0 = X0)$.