

t10_xxreal_0
 (TMJitGm1CSySpEoaBiNApydJNR66U8kkgox)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k2_xxreal_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\neg(\neg X0 \in k1_numbers) \wedge ((X0 \neq k1_xxreal_0) \wedge (X0 \neq k2_xxreal_0))) \tag{1}$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow ((r1_xxreal_0 X0 k2_xxreal_0) \Rightarrow (X0 = k2_xxreal_0)) \tag{2}$$

Assume the following.

$$k1_xxreal_0 = k1_numbers \tag{3}$$

Theorem 1

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\neg (X0 \in k1_numbers) \wedge ((r1_xxreal_0 X0 X1) \wedge ((\neg X1 \in k1_numbers) \wedge (X1 \neq k1_xxreal_0))))))$$