

t41_xxreal_2
(TMQAQzQY1DLh7FtUaecA3cVfiGHxgXRLPtQ)

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Let $v2_membered : \iota \Rightarrow o$ be given. Let $m1_xxreal_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (r1_xxreal_0 X0 k1_xxreal_0) \quad (1)$$

Assume the following.

$$v1_xxreal_0 k1_xxreal_0 \quad (2)$$

Assume the following.

$$\forall X0.(v2_membered X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow ((m1_xxreal_2 X1 X0) \Leftrightarrow (\forall X2.(v1_xxreal_0 X2) \Rightarrow ((X2 \in X0) \Rightarrow (r1_xxreal_0 X2 X1))))) \quad (3)$$

Theorem 1 $\forall X0.(v2_membered X0) \Rightarrow (m1_xxreal_2 k1_xxreal_0 X0)$.