t36_xxreal_2 (TMLnWCryvzgrAPuxR51CXQ9nEsiRrY1vnBJ)

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Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $m2\_xxreal\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (m2\_xxreal\_2\ X0\ (k2\_xxreal\_1\ X0\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (k2\_xxreal\_1\ X0\ X0 = k1\_xboole\_0) \tag{2}$$

Theorem 1 $\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (m2\_xxreal\_2\ X0\ k1\_xboole\_0)$.