t398_xxreal_1 (TMRJ2sSa3FRjwX8m8FMuANfeXp5K1trP8Hj)

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Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k4\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Let $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ 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.

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

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\forall X2.(v1\_xreal\_0\ X2) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ X0) \Rightarrow (k6\_subset\_1\ (k4\_xxreal\_1\ k2\_xxreal\_0\ X1)\ (k4\_xxreal\_1\ X0\ X2) = k2\_xboole\_0\ (k3\_xxreal\_1\ k2\_xxreal\_0\ X0)\ (k2\_xxreal\_1\ X2\ X1))))) \tag{2}$$

Assume the following.

$$k1\_numbers = k4\_xxreal\_1\ k2\_xxreal\_0\ k1\_xxreal\_0 \tag{3}$$

Assume the following.

$$v1\_xxreal\_0\ k1\_xxreal\_0 \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Leftrightarrow (X0 \in k1\_numbers) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (v1\_xxreal\_0\ X0) \tag{6}$$

Theorem 1

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (k6\_subset\_1\ k1\_numbers\ (k4\_xxreal\_1\ X1\ X0) = k2\_xboole\_0\ (k3\_xxreal\_1\ k2\_xxreal\_0\ X1)\ (k2\_xxreal\_1\ X0\ k1\_xxreal\_0)))$$