t389_xxreal_1 (TMUswP9fkcyMFunAZXfg5RzJuCDT5L9beDC)

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Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Let $k1\_xxreal\_0 : \iota$ be given. Let $k1\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (k6\_subset\_1\ k1\_numbers\ (k1\_xxreal\_1\ X0\ X1) = k2\_xboole\_0\ (k4\_xxreal\_1\ k2\_xxreal\_0\ X0)\ (k4\_xxreal\_1\ X1\ k1\_xxreal\_0))) \tag{1}$$

Assume the following.

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

Assume the following.

$$k1\_xxreal\_0 = k1\_numbers \tag{3}$$

Theorem 1

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