t3_fdiff_9 (TM-RKGmcU3oqnDUH8F9s9wA9mPREMTekWuSt)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k5\_prepower : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Let $k4\_prepower : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow (k5\_prepower\ (k10\_real\_1\ np\_\_1\ X0)\ X1 = k10\_real\_1\ np\_\_1\ (k4\_prepower\ X0\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k1\_numbers) \wedge (v1\_int\_1\ X1)) \Rightarrow (k5\_prepower\ X0\ X1 = k4\_prepower\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v1\_int\_1\ X0) \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xreal\_0\ X0) \tag{4}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (k5\_prepower\ (k10\_real\_1\ np\_\_1\ X0)\ X1 = k10\_real\_1\ np\_\_1\ (k5\_prepower\ X0\ X1)))$$