t7_nat_d (TMccSug7JYR9v6JgUCw66XFnaJkNG8Vcwa2)

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Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r1\_nat\_d : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $r1\_int\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1\ X0) \wedge (v7\_ordinal1\ X1)) \Rightarrow ((r1\_nat\_d\ X0\ X1) \Leftrightarrow (r1\_int\_1\ X0\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((r1\_int\_1\ X1\ X0) \Rightarrow ((r1\_xxreal\_0\ X0\ k6\_numbers) \vee (r1\_xxreal\_0\ X1\ X0)))) \tag{2}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((r1\_nat\_d\ X1\ X0) \Rightarrow ((r1\_xxreal\_0\ X0\ k6\_numbers) \vee (r1\_xxreal\_0\ X1\ X0))))$$