

t20_rfinseq2
(TMTpQ1q2TsQmb2iBXoefQZRdJG1sLph1NS9)

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Let $v8_valued_0 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_rfinseq2 : \iota \Rightarrow \iota$ be given. Let $r2_classes1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v8_valued_0 X0) \wedge (m2_finseq_1 X0 k1_numbers)) \Rightarrow (\\ \forall X1.((v8_valued_0 X1) \wedge (m2_finseq_1 X1 k1_numbers)) \Rightarrow (\\ (r2_classes1 X0 X1) \Rightarrow (X0 = X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow (\exists X1.((v8_valued_0 \\ X1) \wedge (m2_finseq_1 X1 k1_numbers)) \wedge (r2_classes1 X0 X1)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow (\forall X1.((v8_valued_0 \\ X1) \wedge (m2_finseq_1 X1 k1_numbers)) \Rightarrow ((X1 = k5_rfinseq2 X0) \Leftrightarrow (r2_classes1 \\ X0 X1))) \end{aligned} \quad (3)$$

Theorem 1

$$\forall X0.((v8_valued_0 X0) \wedge (m2_finseq_1 X0 k1_numbers)) \Rightarrow (\\ k5_rfinseq2 X0 = X0)$$