t25_hallmar1 (TMYQqaEYTY4v4ESDMgQv2ZgouskBP9E7hAL)

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Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $m1\_hallmar1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.r1\_tarski\ X0\ X0 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m2\_finseq\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (\forall X2.\ (m1\_subset\_1\ X2\ k5\_numbers) \Rightarrow (\forall X3.(m2\_finseq\_1\ X3\ (k1\_zfmisc\_1\ X0)) \Rightarrow ((m1\_hallmar1\ X3\ X0\ X1\ X2) \Leftrightarrow ((k4\_finseq\_1\ X3 = k4\_finseq\_1\ X1) \wedge ((\forall X4.(m1\_subset\_1\ X4\ k5\_numbers) \Rightarrow ((X4 \in k4\_finseq\_1\ X1) \Rightarrow ((X4 = X2) \vee (k1\_funct\_1\ X1\ X4 = k1\_funct\_1\ X3\ X4)))) \wedge (r1\_tarski\ (k1\_funct\_1\ X3\ X2)\ (k1\_funct\_1\ X1\ X2))))))) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.(m2\_finseq\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (\forall X2.\ (m1\_subset\_1\ X2\ k5\_numbers) \Rightarrow (m1\_hallmar1\ X1\ X0\ X1\ X2))$$