# t28_graphsp (TMSbLL-HgELFAUSah3Vh4J2Y54CbAzf9m6Fp)

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Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k5\_numbers : \iota$ be given. Let $m2\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_finseq\_2 : \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_graphsp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k13\_graphsp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k1\_numbers\ k5\_numbers) \Rightarrow (\forall X1.\ (m2\_finseq\_2\ X1\ k1\_numbers\ (k3\_finseq\_2\ k1\_numbers)) \Rightarrow (r1\_tarski\ (k7\_graphsp\ X1\ X0)\ (k13\_graphsp\ X1\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k1\_numbers\ k5\_numbers) \Rightarrow (\forall X1.\ (m2\_finseq\_2\ X1\ k1\_numbers\ (k3\_finseq\_2\ k1\_numbers)) \Rightarrow (r1\_tarski\ (k13\_graphsp\ X1\ X0)\ (k2\_finseq\_1\ X0))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((r1\_tarski\ X0\ X1) \wedge (r1\_tarski\ X1\ X2)) \Rightarrow (r1\_tarski\ X0\ X2) \tag{3}$$

**Theorem 1**

$$\forall X0.(m2\_subset\_1\ X0\ k1\_numbers\ k5\_numbers) \Rightarrow (\forall X1.\ (m2\_finseq\_2\ X1\ k1\_numbers\ (k3\_finseq\_2\ k1\_numbers)) \Rightarrow (r1\_tarski\ (k7\_graphsp\ X1\ X0)\ (k2\_finseq\_1\ X0)))$$