t2_sgraph1 (TMZpJcAJXyxyBe7gTrGyiTvFqxPJ6jJiYBV)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $k1\_sgraph1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow (\forall X2.(X2 \in k1\_sgraph1\ X0\ X1) \Leftrightarrow (\exists X3.(m1\_subset\_1\ X3\ k5\_numbers) \wedge ((X2 = X3) \wedge ((r1\_xxreal\_0\ X0\ X3) \wedge (r1\_xxreal\_0\ X3\ X1)))))) \tag{1}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k5\_numbers) \Rightarrow ((X2 \in k1\_sgraph1\ X0\ X1) \Leftrightarrow ((r1\_xxreal\_0\ X0\ X2) \wedge (r1\_xxreal\_0\ X2\ X1))))))$$