t162_relat_1 (TMU-jMtDK1qJWNAXz3PJT8RJgS4CnogjUaVr)

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Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $k10\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow (((k9\_xtuple\_0\ X0 = k1\_xboole\_0) \vee (k10\_xtuple\_0\ X0 = k1\_xboole\_0)) \Rightarrow (X0 = k1\_xboole\_0)) \tag{1}$$

Theorem 1

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow (\forall X1.(v1\_relat\_1\ X1) \Rightarrow (((k10\_xtuple\_0\ X0 = k1\_xboole\_0) \wedge (k10\_xtuple\_0\ X1 = k1\_xboole\_0)) \Rightarrow (X0 = X1)))$$