

t161\_relat\_1  
(TMG27seDeGhhYgLQQWdQ6fgnCwmQd5VQpGs)

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

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

**Theorem 1**

$$\forall X0.(v1\_relat\_1 X0) \Rightarrow (\forall X1.(v1\_relat\_1 X1) \Rightarrow (((k9\_xtuple\_0 X0 = k1\_xboole\_0) \wedge (k9\_xtuple\_0 X1 = k1\_xboole\_0)) \Rightarrow (X0 = X1)))$$