

t106\_relat\_1  
(TMHg5cZtf4SbuaXE2kK8meTBMi9CqvMi1sJ)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $k6\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (X0 = k1\_xboole\_0) \quad (1)$$

Assume the following.

$$v1\_xboole\_0 k1\_xboole\_0 \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_relat\_1 X0) \wedge (v1\_xboole\_0 X1)) \Rightarrow ((v1\_xboole\_0 (k6\_relat\_1 X1 X0)) \wedge (v1\_relat\_1 (k6\_relat\_1 X1 X0))) \quad (3)$$

**Theorem 1**  $\forall X0.(v1\_relat\_1 X0) \Rightarrow (k6\_relat\_1 k1\_xboole\_0 X0 = k1\_xboole\_0)$ .