

t86\_xboole\_1  
(TMYdVHsHHvbD14BBbx3cfjLRZas1FSaiHe)

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Let  $r1\_tarSKI : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_xboole\_0 X0 X1) \Leftrightarrow (k4\_xboole\_0 X0 X1 = X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1\_tarSKI X0 X1) \Rightarrow (r1\_tarSKI (k4\_xboole\_0 X0 X2) (k4\_xboole\_0 X1 X2)) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. ((r1\_tarSKI X0 X1) \wedge (r1\_xboole\_0 X0 X2)) \Rightarrow (r1\_tarSKI X0 (k4\_xboole\_0 X1 X2))$$