

t18\_trees\_3  
(TMN8hrEGkznj2pTKZSYeLAn9po5uQeHZTBg)

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Let  $v1\_trees\_3 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. ((v1\_trees\_3 X0) \wedge (v1\_trees\_3 X1)) \Leftrightarrow (v1\_trees\_3 (k2\_xboole\_0 X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (k2\_xboole\_0 X0 X1 = X1) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. ((v1\_trees\_3 X0) \wedge (r1\_tarski X1 X0)) \Rightarrow (v1\_trees\_3 X1)$$