

t5_trees_1

(TMQjapZxHeWXZ2cKkwEWDAn35jh1jtxT7ai)

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Let $r3_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_finseq_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k9_finseq_1 X0) (k9_finseq_1 X1)) \Leftrightarrow (X0 = X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r3_xboole_0 X0 X1) \Leftrightarrow ((r1_tarski X0 X1) \vee (r1_tarski X1 X0)) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (r3_xboole_0 (k9_finseq_1 X0) (k9_finseq_1 X1)) \Rightarrow (X0 = X1)$$