

l71_orders_2
(TMMgsNzNFqieGUcewQ9gzissoeAQS55xbRc)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $r6_relat_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_relat_1 X0) \Rightarrow (\forall X1.\forall X2.((r6_relat_2 X0 X1) \wedge (r1_tarski X2 X1)) \Rightarrow (r6_relat_2 X0 X2)) \quad (1)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.(v1_relat_1 X2) \Rightarrow (((r6_relat_2 X2 X0) \wedge (r1_tarski X1 X0)) \Rightarrow (r6_relat_2 X2 X1))$$