

t21_wellord2
(TMR6RBRqdLZukqz8WYZEyrzcQsznKiKKPpy)

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Let $r4_relat_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_wellord2 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_2 : \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_relat_1 (k1_wellord2 X0)) \wedge (v4_relat_2 (k1_wellord2 X0)) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.(v1_relat_1 X1) \Rightarrow ((X1 = k1_wellord2 X0) \Leftrightarrow \\ & ((k1_relat_1 X1 = X0) \wedge (\forall X2.\forall X3.((X2 \in X0) \wedge (X3 \in X0)) \Rightarrow \\ & ((k4_tarski X2 X3 \in X1) \Leftrightarrow (r1_tarski X2 X3)))))) \quad (2) \end{aligned}$$

Assume the following.

$$\forall X0.(v1_relat_1 X0) \Rightarrow ((v4_relat_2 X0) \Leftrightarrow (r4_relat_2 X0 (k1_relat_1 X0))) \quad (3)$$

Theorem 1 $\forall X0.r4_relat_2 (k1_wellord2 X0) X0.$