

t20_wellord1
(TMKf5MNSkeaiRv3bo83cAfTw79pfnZRa4eo)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k2_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow (k2_wellord1 \\ & (k2_wellord1 X2 X0) X1 = k2_wellord1 X2 (k3_xboole_0 X0 X1)) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k3_xboole_0 X0 X1 = k3_xboole_0 X1 X0 \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow (k2_wellord1 \\ & (k2_wellord1 X2 X0) X1 = k2_wellord1 (k2_wellord1 X2 X1) X0) \end{aligned}$$