

t8\_wellord2  
(TMagSgZAeiZ8eBJBUbC5HQQKo3ow9EHRcpbt)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v2\_wellord1 : \iota \Rightarrow o$  be given. Let  $k1\_wellord2 : \iota \Rightarrow \iota$  be given. Let  $k2\_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_wellord1 : \iota \Rightarrow o$  be given. Let  $v6\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v4\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v8\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v1\_relat\_2 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (k2\_wellord1 (k1\_wellord2 X1) X0 = k1\_wellord2 X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1\_relat\_1 X1) \Rightarrow ((v2\_wellord1 X1) \Rightarrow (v2\_wellord1 (k2\_wellord1 X1 X0))) \quad (2)$$

Assume the following.

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow ((v1\_relat\_1 (k1\_wellord2 X0)) \wedge (v1\_wellord1 (k1\_wellord2 X0))) \quad (3)$$

Assume the following.

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow ((v1\_relat\_1 (k1\_wellord2 X0)) \wedge (v6\_relat\_2 (k1\_wellord2 X0))) \quad (4)$$

Assume the following.

$$\forall X0. (v1\_relat\_1 (k1\_wellord2 X0)) \wedge (v4\_relat\_2 (k1\_wellord2 X0)) \quad (5)$$

Assume the following.

$$\forall X0. (v1\_relat\_1 (k1\_wellord2 X0)) \wedge (v8\_relat\_2 (k1\_wellord2 X0)) \quad (6)$$

Assume the following.

$$\forall X0. (v1\_relat\_1 (k1\_wellord2 X0)) \wedge (v1\_relat\_2 (k1\_wellord2 X0)) \quad (7)$$

Assume the following.

$$\begin{aligned} \forall X0.(v1\_relat\_1 X0) \Rightarrow ((v2\_wellord1 X0) \Leftrightarrow ((v1\_relat\_2 X0) \wedge \\ ((v8\_relat\_2 X0) \wedge ((v4\_relat\_2 X0) \wedge ((v6\_relat\_2 X0) \wedge (v1\_wellord1 \\ X0)))))) \end{aligned} \quad (8)$$

**Theorem 1**

$$\forall X0.(v3\_ordinal1 X0) \Rightarrow (\forall X1.(r1\_tarSKI X1 X0) \Rightarrow (v2\_wellord1 \\ (k1\_wellord2 X1)))$$