

t32_wellord1 (TMdtVbTkGzcoFiChKVVFAz- jAvVBVucWgBMG)

October 27, 2020

Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v2_wellord1 : \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $k2_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow (r1_tarSKI (k1_wellord1 X1 X0) (k1_relat_1 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow (((v2_wellord1 X1) \wedge (r1_tarSKI X0 (k1_relat_1 X1))) \Rightarrow (k1_relat_1 (k2_wellord1 X1 X0) = X0)) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((v2_wellord1 X1) \Rightarrow (k1_relat_1 (k2_wellord1 X1 (k1_wellord1 X1 X0)) = k1_wellord1 X1 X0))$$