

t59_partfun1
 (TMdZq5CUJTSDqcLsgtqFuBvqDTfBJb2FBEs)

October 27, 2020

Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $r1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (r1_partfun1 X0 X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1_relat_1 k1_xboole_0) \wedge ((v5_relat_1 k1_xboole_0 X0) \wedge ((v1_funct_1 k1_xboole_0) \wedge (v5_ordinal1 k1_xboole_0))) \tag{2}$$

Assume the following.

$$\forall X0.r1_tarski k1_xboole_0 X0 \tag{3}$$

Theorem 1

$$\forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (r1_partfun1 k1_xboole_0 X0)$$