

t60_partfun1
(TMV3dpnbCL6jYW3335JQB897gRbNhoFHoWs)

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 $k3_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (r1_partfun1 k1_xboole_0 X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k3_partfun1 k1_xboole_0 X0 X1 = k1_xboole_0 \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. ((v1_relat_1 X2) \wedge (v1_funct_1 X2)) \Rightarrow (r1_partfun1 (k3_partfun1 k1_xboole_0 X0 X1) X2)$$