

l6_topalg_2 (TMPt-
BKkAA5Q59Mu4e1KyKGinby8PARpyC8f)

October 27, 2020

Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k3_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_topmetr : \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k6_partfun1 : \iota \Rightarrow \iota$ be given. Let $k4_relat_1 : \iota \Rightarrow \iota$ be given. Let $k17_borsuk_1 : \iota$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. k6_partfun1 X0 = k4_relat_1 X0 \quad (1)$$

Assume the following.

$$k5_topmetr = k17_borsuk_1 \quad (2)$$

Assume the following.

$$\forall X0. k9_xtuple_0 (k4_relat_1 X0) = X0 \quad (3)$$

Assume the following.

$$\forall X0. (l1_pre_topc X0) \Rightarrow (l1_struct_0 X0) \quad (4)$$

Assume the following.

$$l1_pre_topc k17_borsuk_1 \quad (5)$$

Assume the following.

$$\forall X0. (l1_struct_0 X0) \Rightarrow (k3_struct_0 X0 = k6_partfun1 (u1_struct_0 X0)) \quad (6)$$

Theorem 1 $k9_xtuple_0 (k3_struct_0 k5_topmetr) = u1_struct_0 k5_topmetr$.