

l24_dtconstr

(TMJgUzNoUvWcpshhFWunsfnkuD18Dkp912V)

October 27, 2020

Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_dtconstr : \iota$ be given. Let $c3_dtconstr : \iota$ be given. Let $k2_lang1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Let $l1_lang1 : \iota \Rightarrow o$ be given. Let $v1_lang1 : \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X1 X0)) \Rightarrow (k6_domain_1 X0 X1 = k1_tarski X1) \quad (2)$$

Assume the following.

$$c3_dtconstr \in k2_lang1 k5_dtconstr \quad (3)$$

Assume the following.

$$\forall X0. ((\neg v2_struct_0 X0) \wedge (l1_struct_0 X0)) \Rightarrow (\neg v1_xboole_0 (u1_struct_0 X0)) \quad (4)$$

Assume the following.

$$\forall X0. (l1_lang1 X0) \Rightarrow (l1_struct_0 X0) \quad (5)$$

Assume the following.

$$(\neg v2_struct_0 k5_dtconstr) \wedge ((v1_lang1 k5_dtconstr) \wedge (l1_lang1 k5_dtconstr)) \quad (6)$$

Assume the following.

$$m1_subset_1 c3_dtconstr (u1_struct_0 k5_dtconstr) \quad (7)$$

Assume the following.

$$c3_dtconstr = np_1 \quad (8)$$

Theorem 1

$r1_tarski (k6_domain_1 (u1_struct_0 k5_dtconstr) c3_dtconstr)$
 $(k2_lang1 k5_dtconstr)$