

t20_topdim_2

(TMFhN7ubYqJ4DJP2NEezyP8YhcFXgpxSNXA)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k4_topdim_1 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v3_topdim_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg(r1_xxreal_0 X0 np_1) \wedge ((X0 \neq k6_numbers) \wedge (X0 \neq np_1))) \quad (1)$$

Assume the following.

$$(v3_topdim_1 (k15_euclid np_1)) \wedge (k4_topdim_1 (k15_euclid np_1) = np_1) \quad (2)$$

Assume the following.

$$(v3_topdim_1 (k15_euclid k6_numbers)) \wedge (k4_topdim_1 (k15_euclid k6_numbers) = k6_numbers) \quad (3)$$

Theorem 1

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((r1_xxreal_0 X0 np_1) \Rightarrow (k4_topdim_1 (k15_euclid X0) = X0))$$