

t21\_topdim\_2

(TMKg6FPVm46SHTn2MwCj4z4AWnuAypuHqro)

October 27, 2020

Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_topdim\_1 : \iota \Rightarrow \iota$  be given. Let  $k15\_euclid : \iota \Rightarrow \iota$  be given. Let  $v3\_topdim\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow ((v3\_topdim\_1 (k15\_euclid X0)) \wedge (r1\_xxreal\_0 (k4\_topdim\_1 (k15\_euclid X0)) X0)) \quad (1)$$

**Theorem 1**

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (r1\_xxreal\_0 (k4\_topdim\_1 (k15\_euclid X0)) X0)$$