

t25_topdim_1
(TMd2Ey7LdabVx5n9c55ozyJvc8P9v5e1VSr)

October 27, 2020

Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $r1_borsuk_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_topdim_1 : \iota \Rightarrow o$ be given. Let $k4_topdim_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v2_pre_topc X0) \wedge (l1_pre_topc X0)) \Rightarrow (\forall X1. \\ & ((v2_pre_topc X1) \wedge (l1_pre_topc X1)) \Rightarrow ((r1_borsuk_3 X0 X1) \Rightarrow ((\\ & (v3_topdim_1 X0) \Rightarrow (v3_topdim_1 X1)) \wedge ((v3_topdim_1 X1) \Rightarrow (v3_topdim_1 \\ & X0)) \wedge ((v3_topdim_1 X0) \Rightarrow (k4_topdim_1 X1 = k4_topdim_1 X0)))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v2_pre_topc X0) \wedge (l1_pre_topc X0)) \Rightarrow (\forall X1. \\ & ((v2_pre_topc X1) \wedge (l1_pre_topc X1)) \Rightarrow (((r1_borsuk_3 X0 X1) \wedge (\\ & v3_topdim_1 X0)) \Rightarrow (k4_topdim_1 X0 = k4_topdim_1 X1))) \end{aligned}$$