

t31_bcialg_5

(TMZb5K8vXUvvSGbqiEvLFfNLoMBAWJxNeo3)

October 27, 2020

Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $v8_bcialg_1 : \iota \Rightarrow o$ be given. Let $m1_bcialg_5 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k1_numbers k5_numbers) \Rightarrow (\forall X1. \\ & (m2_subset_1 X1 k1_numbers k5_numbers) \Rightarrow (\forall X2.(m2_subset_1 \\ & X2 k1_numbers k5_numbers) \Rightarrow (\forall X3.(m2_subset_1 X3 k1_numbers \\ & k5_numbers) \Rightarrow (\forall X4.((v8_bcialg_1 X4) \wedge (m1_bcialg_5 X4 X0 \\ & X1 X2 X3)) \Rightarrow ((v8_bcialg_1 X4) \wedge (m1_bcialg_5 X4 X0 X1 X1 X3)))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k1_numbers k5_numbers) \Rightarrow (\forall X1. \\ & (m2_subset_1 X1 k1_numbers k5_numbers) \Rightarrow (\forall X2.(m2_subset_1 \\ & X2 k1_numbers k5_numbers) \Rightarrow (\forall X3.(m2_subset_1 X3 k1_numbers \\ & k5_numbers) \Rightarrow (\forall X4.((v8_bcialg_1 X4) \wedge (m1_bcialg_5 X4 X0 \\ & X1 X2 X3)) \Rightarrow ((X0 = X3) \Rightarrow ((v8_bcialg_1 X4) \wedge (m1_bcialg_5 X4 X0 X1 X1 \\ & X0)))))) \end{aligned}$$