

t7_matroid0
(TMKDKy916p2CPiS8qCcne8bz2qRjsiSqhQ3)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_tdlat_3 : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $v3_pencil_1 : \iota \Rightarrow o$ be given. Let $v1_matroid0 : \iota \Rightarrow o$ be given. Let $v2_matroid0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(l1_pre_topc X0) \Rightarrow ((v1_tdlat_3 X0) \Rightarrow ((v1_tdlat_3 X0) \wedge ((\neg v3_pencil_1 X0) \wedge ((v1_matroid0 X0) \wedge (v2_matroid0 X0)))))) \quad (1)$$

Theorem 1

$$\forall X0.((\neg v2_struct_0 X0) \wedge ((v1_tdlat_3 X0) \wedge (l1_pre_topc X0))) \Rightarrow ((\neg v2_struct_0 X0) \wedge ((\neg v3_pencil_1 X0) \wedge ((v1_matroid0 X0) \wedge ((v2_matroid0 X0) \wedge (l1_pre_topc X0)))))$$