t12_cfdiff_1 (TMYAU3FiJEi1MqEKna7UvSTtkVEcuuWhSL1)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_numbers : \iota$ be given. Let $v6\_cfdiff\_1 : \iota \Rightarrow o$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $m1\_cfdiff\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k2\_numbers)) \Rightarrow ((v6\_cfdiff\_1\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (\neg(X1 \in X0) \wedge (\forall X2.(m1\_cfdiff\_1\ X2\ X1) \Rightarrow (\neg r1\_tarski\ X2\ X0))))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k2\_numbers)) \Rightarrow ((\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (\neg(X1 \in X0) \wedge (\forall X2.(m1\_cfdiff\_1\ X2\ X1) \Rightarrow (\neg r1\_tarski\ X2\ X0)))) \Rightarrow (v6\_cfdiff\_1\ X0)) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k2\_numbers)) \Rightarrow ((v6\_cfdiff\_1\ X0) \Leftrightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (\neg(X1 \in X0) \wedge (\forall X2.(m1\_cfdiff\_1\ X2\ X1) \Rightarrow (\neg r1\_tarski\ X2\ X0)))))$$