t41_fuzzy_2 (TMbfqbxdTeUJtVqNZ5UvSgn2LdzpRzqaY9o)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $k8\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_square\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_square\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow ((r1\_xxreal\_0\ k6\_numbers\ X2) \Rightarrow (k8\_real\_1\ X2\ (k2\_square\_1\ X0\ X1) = k2\_square\_1\ (k8\_real\_1\ X2\ X0)\ (k8\_real\_1\ X2\ X1))))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow ((r1\_xxreal\_0\ k6\_numbers\ X2) \Rightarrow (k8\_real\_1\ X2\ (k1\_square\_1\ X0\ X1) = k1\_square\_1\ (k8\_real\_1\ X2\ X0)\ (k8\_real\_1\ X2\ X1))))) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow ((r1\_xxreal\_0\ k6\_numbers\ X2) \Rightarrow ((k8\_real\_1\ X2\ (k2\_square\_1\ X0\ X1) = k2\_square\_1\ (k8\_real\_1\ X2\ X0)\ (k8\_real\_1\ X2\ X1)) \wedge (k8\_real\_1\ X2\ (k1\_square\_1\ X0\ X1) = k1\_square\_1\ (k8\_real\_1\ X2\ X0)\ (k8\_real\_1\ X2\ X1)))))))$$