

t67_afinsq_1 (TMTJU_pMFNPT- AbU6fTuvLo4rffrfCUYWaAqc)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_afinsq_1 : \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow ((v1_afinsq_1 \\ & X0) \Leftrightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2.(v7_ordinal1 X2) \Rightarrow \\ & ((X2 \in k9_xtuple_0 X0) \Rightarrow ((r1_xxreal_0 X2 X1) \vee (X1 \in k9_xtuple_0 X0)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_relat_1 X0) \wedge ((v4_relat_1 X0 k5_numbers) \wedge ((v1_funct_1 \\ & X0) \wedge (v1_afinsq_1 X0)))) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge ((v4_relat_1 \\ & X1 k5_numbers) \wedge (v1_funct_1 X1))) \Rightarrow ((k9_xtuple_0 X0 = k9_xtuple_0 \\ & X1) \Rightarrow (v1_afinsq_1 X1))) \end{aligned}$$