

t18_borsuk_5

(TMadwBaq6PoGvnzuRS9z9qa6z8GLxgL9mtB)

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Let $v1_rat_1 : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. ((v1_rat_1 X0) \wedge ((v1_xreal_0 X1) \wedge (\neg v1_rat_1 X1))) \Rightarrow (\neg v1_rat_1 (k2_xcmplx_0 X0 X1)) \quad (1)$$

Theorem 1

$$\forall X0. (v1_rat_1 X0) \Rightarrow (\forall X1. ((v1_xreal_0 X1) \wedge (\neg v1_rat_1 X1)) \Rightarrow (\neg v1_rat_1 (k2_xcmplx_0 X0 X1)))$$