

t19\_borsuk\_5

(TMaAwvUwuLfcETSnZkZvK1bxnnD4Aivz67b)

October 27, 2020

Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_rat\_1 : \iota \Rightarrow o$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.((v1\_xreal\_0 X0) \wedge (\neg v1\_rat\_1 X0)) \Rightarrow ((v1\_xcmplx\_0 (k4\_xcmplx\_0 X0)) \wedge (\neg v1\_rat\_1 (k4\_xcmplx\_0 X0))) \quad (1)$$

**Theorem 1**

$$\forall X0.((v1\_xreal\_0 X0) \wedge (\neg v1\_rat\_1 X0)) \Rightarrow (\neg v1\_rat\_1 (k4\_xcmplx\_0 X0))$$