t42_borsuk_5 (TMNkS6V99qrrqo4zHZtzH3jCApG6jBUMYpx)

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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 $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_topmetr : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k3\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xxreal\_0 : \iota$ be given. Let $v4\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $v2\_rcomp\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k3\_topmetr))) \Rightarrow ((X0 = X1) \Rightarrow ((v2\_rcomp\_1\ X0) \Leftrightarrow (v4\_pre\_topc\ X1\ k3\_topmetr)))) \tag{1}$$

Assume the following.

$$u1\_struct\_0\ k3\_topmetr = k1\_numbers \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (v2\_rcomp\_1\ (k3\_rcomp\_1\ X0\ k1\_xxreal\_0)) \tag{3}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k3\_topmetr))) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow ((X0 = k3\_rcomp\_1\ X1\ k1\_xxreal\_0) \Rightarrow (v4\_pre\_topc\ X0\ k3\_topmetr)))$$