l7_series_5 (TMJ4tcNNRH4SagxNvCxbkTKRR5b9JkkPpRZ)

October 27, 2020

Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $k18\_complex1 : \iota \Rightarrow \iota$ be given. Let $k3\_square\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_xcmplx\_0 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X1\ (k4\_xcmplx\_0\ X0)) \wedge ((\neg r1\_xxreal\_0\ X0\ X1) \wedge (r1\_xxreal\_0\ (k3\_square\_1\ X0)\ (k3\_square\_1\ X1))))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (((r1\_xxreal\_0\ k6\_numbers\ X0) \wedge (r1\_xxreal\_0\ X0\ np\_\_1)) \Rightarrow (r1\_xxreal\_0\ (k3\_square\_1\ X0)\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (((\neg r1\_xxreal\_0\ X1\ (k4\_xcmplx\_0\ X0)) \wedge (\neg r1\_xxreal\_0\ X0\ X1)) \Leftrightarrow (\neg r1\_xxreal\_0\ X0\ (k18\_complex1\ X1)))) \tag{3}$$

Assume the following.

$$r1\_xxreal\_0\ np\_\_1\ np\_\_1 \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (\forall X2.(v1\_xreal\_0\ X2) \Rightarrow (((r1\_xxreal\_0\ X0\ X1) \wedge (r1\_xxreal\_0\ X1\ X2)) \Rightarrow (r1\_xxreal\_0\ X0\ X2)))) \tag{5}$$

Assume the following.

$$m1\_subset\_1\ np\_\_1\ k1\_numbers \tag{6}$$

Assume the following.

$$r1\_xxreal\_0\ k6\_numbers\ np\_\_1 \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (v1\_xreal\_0\ (k3\_square\_1\ X0)) \tag{8}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xreal\_0\ X0) \tag{9}$$

Theorem 1

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\neg(\neg r1\_xxreal\_0\ np\_\_1\ (k18\_complex1\ X0)) \wedge (r1\_xxreal\_0\ np\_\_1\ (k3\_square\_1\ X0)))$$