t27_jgraph_1 (TMR-LzR61TfYSxgzgfPF9ggkmWoyBewm6QzR)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k18\_complex1 : \iota \Rightarrow \iota$ be given. Let $k9\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ k1\_numbers) \Rightarrow (((X0 \in k1\_rcomp\_1\ X2\ X3) \wedge (X1 \in k1\_rcomp\_1\ X2\ X3)) \Rightarrow (r1\_xxreal\_0\ (k18\_complex1\ (k9\_real\_1\ X0\ X1))\ (k9\_real\_1\ X3\ X2))))))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow ((X0 \in k1\_rcomp\_1\ X1\ X2) \Leftrightarrow ((r1\_xxreal\_0\ X1\ X0) \wedge (r1\_xxreal\_0\ X0\ X2))))) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_numbers) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ k1\_numbers) \Rightarrow (((r1\_xxreal\_0\ X0\ X2) \wedge ((r1\_xxreal\_0\ X2\ X1) \wedge ((r1\_xxreal\_0\ X0\ X3) \wedge (r1\_xxreal\_0\ X3\ X1)))) \Rightarrow (r1\_xxreal\_0\ (k18\_complex1\ (k9\_real\_1\ X2\ X3))\ (k9\_real\_1\ X1\ X0))))))$$