

t53_hurwitz (TM- FCrZB2M7HaQMUKPGXcKQNX3TraLAuZAs3)

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Let $v1_funct.1 : \iota \Rightarrow o$ be given. Let $v1_funct.2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $u1_struct.0 : \iota \Rightarrow \iota$ be given. Let $k1_complfld : \iota$ be given. Let $v1_algseq.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc.1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_xxreal.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k2_hurwitz : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_complex1 : \iota \Rightarrow \iota$ be given. Let $k17_complex1 : \iota \Rightarrow \iota$ be given. Let $k2_polynom4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_hurwitz : \iota \Rightarrow \iota$ be given. Let $v1_hurwitz : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
& \forall X0.((v1_funct.1 X0) \wedge ((v1_funct.2 X0 k5_numbers (u1_struct.0 \\
& \quad k1_complfld)) \wedge ((v1_algseq.1 X0 k1_complfld) \wedge (m1_subset.1 X0 \\
& \quad (k1_zfmisc.1 (k2_zfmisc.1 k5_numbers (u1_struct.0 k1_complfld)))))) \Rightarrow \\
& \quad (((r1_xxreal.0 np_1 (k2_hurwitz k1_complfld X0)) \wedge (v1_hurwitz \\
& \quad X0)) \Rightarrow (\forall X1.(m1_subset.1 X1 (u1_struct.0 k1_complfld)) \Rightarrow \\
& \quad ((\neg(\neg r1_xxreal.0 k6_numbers (k3_complex1 X1)) \wedge (r1_xxreal.0 \\
& \quad (k17_complex1 (k2_polynom4 k1_complfld (k7_hurwitz X0) X1)) (\\
& \quad k17_complex1 (k2_polynom4 k1_complfld X0 X1)))) \wedge ((\neg(\neg r1_xxreal.0 \\
& \quad (k3_complex1 X1) k6_numbers) \wedge (r1_xxreal.0 (k17_complex1 (k2_polynom4 \\
& \quad k1_complfld X0 X1)) (k17_complex1 (k2_polynom4 k1_complfld (k7_hurwitz \\
& \quad X0) X1)))) \wedge ((k3_complex1 X1 = k6_numbers) \Rightarrow (k17_complex1 (k2_polynom4 \\
& \quad k1_complfld X0 X1) = k17_complex1 (k2_polynom4 k1_complfld (k7_hurwitz \\
& \quad X0) X1))))))
\end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
& \forall X0.((v1_funct.1 X0) \wedge ((v1_funct.2 X0 k5_numbers (u1_struct.0 \\
& \quad k1_complfld)) \wedge ((v1_algseq.1 X0 k1_complfld) \wedge (m1_subset.1 X0 \\
& \quad (k1_zfmisc.1 (k2_zfmisc.1 k5_numbers (u1_struct.0 k1_complfld)))))) \Rightarrow \\
& \quad (\neg(r1_xxreal.0 np_1 (k2_hurwitz k1_complfld X0)) \wedge ((\exists X1. \\
& \quad (m1_subset.1 X1 (u1_struct.0 k1_complfld)) \wedge ((\neg r1_xxreal.0 k6_numbers \\
& \quad (k3_complex1 X1)) \wedge (r1_xxreal.0 (k17_complex1 (k2_polynom4 k1_complfld \\
& \quad (k7_hurwitz X0) X1)) (k17_complex1 (k2_polynom4 k1_complfld X0 \\
& \quad X1)))))) \wedge (v1_hurwitz X0)))
\end{aligned}$$