

t5_int_4 (TMLsENnjAfMr- rVmFUgvRD1hkuL793botQUJ)

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Let $v3_membered : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k1_integra2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r2_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Leftrightarrow (k1_card_1 X0 = k1_card_1 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v3_membered X0) \Rightarrow (\forall X1. (v1_xreal_0 X1) \Rightarrow ((X1 \neq k6_numbers) \Rightarrow (r2_tarski X0 (k1_integra2 X0 X1)))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Leftrightarrow (r2_tarski X0 X1) \quad (3)$$

Theorem 1

$$\forall X0. (v3_membered X0) \Rightarrow (\forall X1. (v1_xreal_0 X1) \Rightarrow ((X1 \neq k6_numbers) \Rightarrow (k1_card_1 X0 = k1_card_1 (k1_integra2 X0 X1))))$$