

t18_rvsum_1

(TMGo8hDbFShjBpenWzZm5aig4aTVAWJnddu)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v3_valued_0 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_rvsum_1 : \iota \Rightarrow \iota$ be given. Let $k7_binop_2 : \iota \Rightarrow \iota$ be given. Let $k30_valued_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge ((v3_valued_0 \\ X1) \wedge (v1_finseq_1 X1)))) \Rightarrow (k1_seq_1 (k30_valued_1 X1) X0 = k7_binop_2 \\ (k1_seq_1 X1 X0)) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. ((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge ((v3_valued_0 \\ X0) \wedge (v1_finseq_1 X0)))) \Rightarrow (k6_rvsum_1 X0 = k30_valued_1 X0) \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. ((v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge ((v3_valued_0 \\ X1) \wedge (v1_finseq_1 X1)))) \Rightarrow (k1_seq_1 (k6_rvsum_1 X1) X0 = k7_binop_2 \\ (k1_seq_1 X1 X0)) \end{aligned}$$