

rng_sum_plus^{11,40}

$\forall r:\text{Rng}, a, b:\mathbb{Z}.$

$(a \leq b)$

$\Rightarrow (\forall E, F:\{\{a..b\} \rightarrow |r|\}.$

$(\Sigma(r) a \leq i < b$

$E(i) +r F(i))$

$=$

$((\Sigma(r) a \leq i < b. E(i)) +r (\Sigma(r) a \leq i < b. F(i)))$

$\in |r|)$