

POLYNOM_4

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*C polynom_4_begin          ***** POLYNOM_4 *****
*D oal_fabmon_df           oal_fabmon(<s:s:*>)== oal_fabmon{<s>}
*A oal_fabmon              oal_fabmon(s) == fabmon_of_nat_mcp(oal_omcp{s,<ℤ+>})
*T oal_fabmon_wf 0.9 sec.
├ ∀s:LOSet. oal_fabmon(s) ∈ FAbMon(s)
|
BY (Unfold 'oal_fabmon' 0 ...)
*D oal_polyalg_df         oal_polyalg(<s:s:*>;<a:a:*>)== oal_polyalg{<s>; <a>}
*A oal_polyalg            oal_polyalg(s;a) == <oal_fabmon(s), omral_fma(oal_fabmon(s).mon;a)>
*T oal_polyalg_wf 2.2 sec.
├ ∀s:LOSet. ∀a:CRng. oal_polyalg(s;a) ∈ PolynomAlg(s;a)
|
BY (Unfolds 'oal_polyalg polynom_alg' 0
| THENM RepD ...a)
|
1. s: LOSet
2. a: CRng
├ <oal_fabmon(s), omral_fma(oal_fabmon(s).mon;a)> ∈ mo:FAbMon(s) × FMonAlg(mo.mon;a)
|
BY (MemCD ...a)
| \
| ─┬ oal_fabmon(s) ∈ FAbMon(s)
| |
1 BY Auto
| \
| ─┬ omral_fma(oal_fabmon(s).mon;a) ∈ FMonAlg(oal_fabmon(s).mon;a)
| |
BY % Reduction needed here because typing lemma
| | for oal_fabmon(s) is too weak. %
| |
| | Reduce 0
| |
├ omral_fma(oal_hgp(s;<ℤ+>);a) ∈ FMonAlg(oal_hgp(s;<ℤ+>);a)
|
BY Auto
*C polynom_4_end          *****
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