Hairer example 3

`ha-mo3`

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Variables: a ; b ; c ; d ; e ; f ; g ; h ; i ; j ; k ; l ; m ; n

Equations:

$ae + bf + cg + dh - 1/2;$
$a^2e + b^2f + c^2g + d^2h - 1/3;$
$afi + agj + bgk + ahl + bhm + chn - 1/6;$
$a^3e + b^3f + c^3g + d^3h - 1/4;$
$abfi + acgj + bcgk + adhl + bdhm + cdhn - 1/8;$
$a^2fi + a^2gj + b^2gk + a^2hl + b^2hm + c^2hn - 1/12;$
$agik + ahim + ahjn + bhkn - 1/24;$
$a^4e + b^4f + c^4g + d^4h - 1/5;$
$ab^2fi + ac^2gj + bc^2gk + ad^2hl + bd^2hm + cd^2hn - 1/10;$
$a^2bfi + a^2cgj + b^2cgk + a^3hl + b^2dhm + c^2dhn - 1/15;$
$acgik + adhim + adhjn + bdhkn - 1/30;$
$a^2fi^2 + a^2gj^2 + 2abgjk + b^2gk^2 + a^2hl^2 + 2abhlm + b^2hm^2 + 2achln +$
$2bchmn + c^2hn^2 - 1/20;$
$a^3fi + a^3gj + b^3gk + a^3hl + b^3hm + c^3hn - 1/20;$
$abgik + abhim + achjn + bchkn - 1/40;$
$a^2gik + a^2him + a^2hjn + b^2hkn - 1/60;$
$ahikn - 1/120;$

as rectified by Moeller

References

[1] D. Bini and B. Mourrain. Polynomials test suite. 1996.