Hawes3

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Parameters: a ; b ; c

Variables: x ; $y[3]$; $z[3]$

Equations:

$3z_1^2 + y_1^2 + b;$
$3z_2^2 + y_2^2 + b;$
$3z_3^2 + y_3^2 + b;$
$y_1^2 z_1 + 2ay_1^3 + 4y_1^5 + cy_1^2 - z_1^3 - bz_1 - y_2^2 z_2 - 2ay_2^3 - 4y_2^5 - cy_2^2 + z_2^3 + bz_2;$
$y_2^2 z_2 + 2ay_2^3 + 4y_2^5 + cy_2^2 - z_2^3 - bz_2 - y_3^2 z_3 - 2ay_3^3 - 4y_3^5 - cy_3^2 + z_3^3 + bz_3;$
$y_3^2 z_3 + 2ay_3^3 + 4y_3^5 + cy_3^2 - z_3^3 - bz_3 - y_1^2 z_1 - 2ay_1^3 - 4y_1^5 - cy_1^2 + z_1^3 + bz_1;$

Communicated by Wendy Hawes and Chris Gibson (University of Liverpool).

References

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