The eliminant of two two - dimensional cubic splines with a common point

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Abstract

In this paper, I describe the eliminant of two two - dimensional cubic splines with a common point. The paper ends with "The End"

Introduction

The general two - dimensional cubic spline is

$$x(t) = at^3 + bt^2 + ct + d$$

$$y(t) = et^3 + ft^2 + gt + h$$

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The eliminant of two two - dimensional cubic splines

$$x(t) = at^3 + bt^2 + ct + d$$

$$y(t) = et^3 + ft^2 + qt + h$$

and

$$\xi(t) = \alpha t^3 + \beta t^2 + \chi t + \delta$$

$$\psi(t) = \epsilon t^3 + \phi t^2 + \gamma t + \eta$$

such that

$$x(t) = \xi(t) \wedge y(t) = \psi(t)$$

is

 $-d^{3}e^{3}+cd^{2}e^{2}f-bd^{2}ef^{2}+ad^{2}f^{3}-c^{2}de^{2}g+2bd^{2}e^{2}g+bcdefg-3ad^{2}efg-acdf^{2}g-b^{2}deg^{2}+2acdeg^{2}+abdfg^{2}-a^{2}dg^{3}+c^{3}e^{2}h-3bcde^{2}h+3ad^{2}e^{2}h-bc^{2}efh+2b^{2}defh+acdefh+ac^{2}f^{2}h-2abdf^{2}h+b^{2}cegh-2ac^{2}egh-abdegh-abcfgh+3a^{2}dfgh+a^{2}cg^{2}h-b^{3}eh^{2}+3abceh^{2}-3a^{2}deh^{2}+ab^{2}fh^{2}-2a^{2}cfh^{2}-a^{2}bgh^{2}+a^{3}h^{3}-d^{2}f^{3}\alpha+3d^{2}efg\alpha+cdf^{2}g\alpha-2cdeg^{2}\alpha-bdfg^{2}\alpha+2adg^{3}\alpha-3d^{2}e^{2}h\alpha-cdefh\alpha-c^{2}f^{2}h\alpha+2bdf^{2}h\alpha+2c^{2}egh\alpha+bdegh\alpha+bcfgh\alpha-6adfgh\alpha-2acg^{2}h\alpha-3bceh^{2}\alpha+6adeh^{2}\alpha-b^{2}fh^{2}\alpha+4acfh^{2}\alpha+2abgh^{2}\alpha-3a^{2}h^{3}\alpha-dg^{3}\alpha^{2}+3dfgh\alpha^{2}+cg^{2}h\alpha^{2}-3deh^{2}\alpha^{2}-2cfh^{2}\alpha^{2}-bgh^{2}\alpha^{2}+3ah^{3}\alpha^{2}-h^{3}\alpha^{3}+d^{2}ef^{2}\beta-2d^{2}e^{2}g\beta-cdefg\beta+2bdeg^{2}\beta-adfg^{2}\beta+3cde^{2}h\beta+c^{2}efh\beta-4bdefh\beta+2adf^{2}h\beta-2bcegh\beta+adegh\beta+acfgh\beta+3b^{2}eh^{2}\beta-3aceh^{2}\beta-2abfh^{2}\beta+dfg^{2}\alpha\beta-2df^{2}h\alpha\beta-degh\alpha\beta-cfgh\alpha\beta+3ceh^{2}\alpha\beta+2bfh^{2}\alpha\beta-2agh^{2}\alpha\beta+gh^{2}\alpha^{2}\beta-deg^{2}\beta^{2}+2defh\beta^{2}+cegh\beta^{2}-3beh^{2}\beta^{2}+afh^{2}\beta^{2}-fh^{2}\alpha\beta^{2}+eh^{2}\beta^{3}+c^{2}de^{2}\gamma-2bd^{2}e^{2}\gamma-bcdef\gamma+3ad^{2}ef\gamma+acdf^{2}\gamma+2b^{2}deg\gamma-4acdeg\gamma-2abdfg\gamma+3a^{2}dg^{2}\gamma-b^{2}ceh\gamma+2ac^{2}eh\gamma+abdeh\gamma+abcfh\gamma-3a^{2}dfh\gamma-2a^{2}cgh\gamma+a^{2}bh^{2}\gamma-3d^{2}ef\alpha\gamma-cdf^{2}\alpha\gamma+4cdeg\alpha\gamma+2bdfg\alpha\gamma-6adg^{2}\alpha\gamma-2c^{2}eh\alpha\gamma-bdeh\alpha\gamma-bcfh\alpha\gamma+6adfh\alpha\gamma+4acgh\alpha\gamma-2abh^{2}\alpha\gamma+3dg^{2}\alpha^{2}\gamma-3dfh\alpha^{2}\gamma-2cgh\alpha^{2}\gamma+bh^{2}\alpha^{2}\gamma+2d^{2}e^{2}\beta\gamma+cdef\beta\gamma-4bdeg\beta\gamma+2adfg\beta\gamma+2bceh\beta\gamma-adeh\beta\gamma-acfh\beta\gamma-a^{2}h^{2}\beta\gamma-2dfg\alpha\beta\gamma+deh\alpha\beta\gamma+cfh\alpha\beta\gamma+2ah^{2}\alpha\beta\gamma-deh\alpha\beta\gamma+2bceh\beta\gamma-adeh\beta\gamma-acfh\beta\gamma-a^{2}h^{2}\beta\gamma-2dfg\alpha\beta\gamma+deh\alpha\beta\gamma+cfh\alpha\beta\gamma+2ah^{2}\alpha\beta\gamma-deh\alpha\beta\gamma+2ah^{2}\alpha\beta\gamma-deh\alpha\beta\gamma+2bf\alpha\beta\gamma-adeh\beta\gamma-acfh\beta\gamma-acfh\beta\gamma-acfh\beta\gamma-2dfg\alpha\beta\gamma+deh\alpha\beta\gamma+cfh\alpha\beta\gamma+2ah^{2}\alpha\beta\gamma-def\beta\gamma+2adfg\beta\gamma+2ah^{2}\alpha\beta\gamma-deh\alpha$

 $h^2\alpha^2\beta\gamma + 2deg\beta^2\gamma - ceh\beta^2\gamma - b^2de\gamma^2 + 2acde\gamma^2 + abdf\gamma^2 - 3a^2dg\gamma^2 + a^2ch\gamma^2 - 2cde\alpha\gamma^2 - bdf\alpha\gamma^2 + a^2ch\gamma^2 - bdf\alpha\gamma^2 + a^2ch\gamma^2 - bdf\alpha\gamma^2 + abdf\gamma^2 - bdf\alpha\gamma^2 + abdf\alpha\gamma^2 +$ $6adg\alpha\gamma^2 - 2ach\alpha\gamma^2 - 3dg\alpha^2\gamma^2 + ch\alpha^2\gamma^2 + 2bde\beta\gamma^2 - adf\beta\gamma^2 + df\alpha\beta\gamma^2 - de\beta^2\gamma^2 + a^2d\gamma^3 - 2ad\alpha\gamma^3 + d\alpha^2\gamma^3 + d\alpha^2\gamma^3$ $3d^2e^3\delta - 2cde^2f\delta + 2bdef^2\delta - 2adf^3\delta + c^2e^2g\delta - 4bde^2g\delta - bcefg\delta + 6adefg\delta + acf^2g\delta + b^2eg^2\delta - 2aceg^2\delta - bcefg\delta + b^2eg^2\delta - bcefg\delta + bc$ $abfg^2\delta + a^2g^3\delta + 3bce^2h\delta - 6ade^2h\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - acefh\delta + 2abf^2h\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta + abegh\delta - 3a^2fgh\delta + 3a^2eh^2\delta + 2df^3\alpha\delta - 2b^2efh\delta - 2abf^2\delta + 2df^2\delta + 2d$ $6defg\alpha\delta - cf^2g\alpha\delta + 2ceg^2\alpha\delta + bfg^2\alpha\delta - 2ag^3\alpha\delta + 6de^2h\alpha\delta + cefh\alpha\delta - 2bf^2h\alpha\delta - begh\alpha\delta + 6afgh\alpha\delta - begh\alpha\delta + 6afgh\alpha\delta - begh\alpha\delta + 6afgh\alpha\delta - begh\alpha\delta + 6afgh\alpha\delta - begh\alpha\delta + begh\alpha\delta + begh\alpha\delta - begh\alpha\delta + begh\alpha\delta - begh\alpha\delta + begh\alpha\delta - begh\alpha\delta + begh\alpha\delta - beghadaga - begha$ $6aeh^2\alpha\delta + g^3\alpha^2\delta - 3fgh\alpha^2\delta + 3eh^2\alpha^2\delta - 2def^2\beta\delta + 4de^2g\beta\delta + cefg\beta\delta - 2beg^2\beta\delta + afg^2\beta\delta - 3ce^2h\beta\delta + de^2g\beta\delta + de^2g\beta\delta$ $4befh\beta\delta - 2af^2h\beta\delta - aegh\beta\delta - fg^2\alpha\beta\delta + 2f^2h\alpha\beta\delta + egh\alpha\beta\delta + eg^2\beta^2\delta - 2efh\beta^2\delta - c^2e^2\gamma\delta + 4bde^2\gamma\delta + egh\alpha\beta\delta + egh\alpha\beta$ $bcef\gamma\delta - 6adef\gamma\delta - acf^2\gamma\delta - 2b^2eg\gamma\delta + 4aceg\gamma\delta + 2abfg\gamma\delta - 3a^2g^2\gamma\delta - abeh\gamma\delta + 3a^2fh\gamma\delta + 6def\alpha\gamma\delta +$ $cf^{2}\alpha\gamma\delta - 4ceg\alpha\gamma\delta - 2bfg\alpha\gamma\delta + 6ag^{2}\alpha\gamma\delta + beh\alpha\gamma\delta - 6afh\alpha\gamma\delta - 3g^{2}\alpha^{2}\gamma\delta + 3fh\alpha^{2}\gamma\delta - 4de^{2}\beta\gamma\delta - cef\beta\gamma\delta - cef\beta\gamma\delta - cef\beta\gamma\delta + 3fh\alpha^{2}\gamma\delta - cef\beta\gamma\delta - cef\beta\gamma\delta + 3fh\alpha^{2}\gamma\delta - cef\beta\gamma\delta - cef\beta\gamma$ $4beg\beta\gamma\delta - 2afg\beta\gamma\delta + aeh\beta\gamma\delta + 2fg\alpha\beta\gamma\delta - eh\alpha\beta\gamma\delta - 2eg\beta^2\gamma\delta + b^2e\gamma^2\delta - 2ace\gamma^2\delta - abf\gamma^2\delta + 3a^2g\gamma^2\delta + b^2e\gamma^2\delta - 2ace\gamma^2\delta - abf\gamma^2\delta + 3a^2g\gamma^2\delta + b^2e\gamma^2\delta - abf\gamma^2\delta + aeh\beta\gamma\delta + aeh\beta\gamma\delta - aeh\beta$ $2ce\alpha\gamma^2\delta + bf\alpha\gamma^2\delta - 6ag\alpha\gamma^2\delta + 3g\alpha^2\gamma^2\delta - 2be\beta\gamma^2\delta + af\beta\gamma^2\delta - f\alpha\beta\gamma^2\delta + e\beta^2\gamma^2\delta - a^2\gamma^3\delta + 2a\alpha\gamma^3\delta - \alpha^2\gamma^3\delta - a^2\gamma^3\delta + af\beta\gamma^2\delta - a^2\gamma^3\delta + af\beta\gamma^2\delta - a^2\gamma^3\delta + af\beta\gamma^2\delta - a^2\gamma^3\delta - a^2\gamma^3\delta$ $3de^{3}\delta^{2} + ce^{2}f\delta^{2} - bef^{2}\delta^{2} + af^{3}\delta^{2} + 2be^{2}g\delta^{2} - 3aefg\delta^{2} + 3ae^{2}h\delta^{2} - f^{3}\alpha\delta^{2} + 3efg\alpha\delta^{2} - 3e^{2}h\alpha\delta^{2} + ef^{2}\beta\delta^{2} - f^{3}\alpha\delta^{2} + 3efg\alpha\delta^{2} + 3efg\alpha\delta^{2$ $2e^2g\beta\delta^2 - 2be^2\gamma\delta^2 + 3aef\gamma\delta^2 - 3ef\alpha\gamma\delta^2 + 2e^2\beta\gamma\delta^2 + e^3\delta^3 + 3d^3e^2\epsilon - 2cd^2ef\epsilon + bd^2f^2\epsilon + 2c^2deg\epsilon - 4bd^2eg\epsilon - 2cd^2ef\epsilon + bd^2f^2\epsilon + 2c^2deg\epsilon - 2cd^2ef\epsilon - 2cd^2ef\epsilon - 2cd^2ef\epsilon + 2c^2deg\epsilon - 2cd^2ef\epsilon - 2cd^2ef\epsilon$ $bcdfg\epsilon + 3ad^2fg\epsilon + b^2dg^2\epsilon - 2acdg^2\epsilon - 2c^3eh\epsilon + 6bcdeh\epsilon - 6ad^2eh\epsilon + bc^2fh\epsilon - 2b^2dfh\epsilon - acdfh\epsilon - b^2cgh\epsilon + bc^2fh\epsilon - b$ $2ac^2gh\epsilon + abdgh\epsilon + b^3h^2\epsilon - 3abch^2\epsilon + 3a^2dh^2\epsilon - 3d^2fg\alpha\epsilon + 2cdg^2\alpha\epsilon + 6d^2eh\alpha\epsilon + cdfh\alpha\epsilon - 2c^2gh\alpha\epsilon - bdgh\alpha\epsilon + d^2eh\alpha\epsilon +$ $3bch^2\alpha\epsilon - 6adh^2\alpha\epsilon + 3dh^2\alpha^2\epsilon - d^2f^2\beta\epsilon + 4d^2eg\beta\epsilon + cdfg\beta\epsilon - 2bdg^2\beta\epsilon - 6cdeh\beta\epsilon - c^2fh\beta\epsilon + 4bdfh\beta\epsilon +$ $2bcgh\beta\epsilon - adgh\beta\epsilon - 3b^2h^2\beta\epsilon + 3ach^2\beta\epsilon + dgh\alpha\beta\epsilon - 3ch^2\alpha\beta\epsilon + dg^2\beta^2\epsilon - 2dfh\beta^2\epsilon - cgh\beta^2\epsilon + 3bh^2\beta^2\epsilon - dgh\beta^2\epsilon - dgh\beta^2\epsilon + dgh\alpha\beta\epsilon - dgh\beta^2\epsilon - dgh\beta^2\epsilon$ $h^2\beta^3\epsilon - 2c^2de\gamma\epsilon + 4bd^2e\gamma\epsilon + bcdf\gamma\epsilon - 3ad^2f\gamma\epsilon - 2b^2dg\gamma\epsilon + 4acdg\gamma\epsilon + b^2ch\gamma\epsilon - 2ac^2h\gamma\epsilon - abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - 2b^2dg\gamma\epsilon + b^2ch\gamma\epsilon - 2ac^2h\gamma\epsilon - abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - 2b^2dg\gamma\epsilon + b^2ch\gamma\epsilon - 2ac^2h\gamma\epsilon - abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - abdh\gamma\epsilon + abdh\gamma\epsilon + 3d^2f\alpha\gamma\epsilon - abdh\gamma\epsilon + ab$ $4cdg\alpha\gamma\epsilon + 2c^2h\alpha\gamma\epsilon + bdh\alpha\gamma\epsilon - 4d^2e\beta\gamma\epsilon - cdf\beta\gamma\epsilon + 4bdg\beta\gamma\epsilon - 2bch\beta\gamma\epsilon + adh\beta\gamma\epsilon - dh\alpha\beta\gamma\epsilon - 2dg\beta^2\gamma\epsilon +$ $ch\beta^2\gamma\epsilon + b^2d\gamma^2\epsilon - 2acd\gamma^2\epsilon + 2cd\alpha\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon + d\beta^2\gamma^2\epsilon - 9d^2e^2\delta\epsilon + 4cdef\delta\epsilon - 2bdf^2\delta\epsilon - 2c^2eg\delta\epsilon + 8bdeg\delta\epsilon + 2cd\alpha\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon + 2cd\alpha\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon + 2cd\alpha\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon - 2bd\beta\gamma^2\epsilon$ $bcfg\delta\epsilon - 6adfg\delta\epsilon - b^2g^2\delta\epsilon + 2acg^2\delta\epsilon - 6bceh\delta\epsilon + 12adeh\delta\epsilon + 2b^2fh\delta\epsilon + acfh\delta\epsilon - abgh\delta\epsilon - 3a^2h^2\delta\epsilon + 6dfg\alpha\delta\epsilon - b^2g^2\delta\epsilon - b^2g^2\delta\epsilon + b^2g^2\delta\epsilon - b^2g^2\delta\epsilon + b^2g^2\delta\epsilon - b^2g^2\delta\epsilon - b^2g^2\delta\epsilon + b^2g^2\delta\epsilon - b^2g^2$ $2cg^2\alpha\delta\epsilon - 12deh\alpha\delta\epsilon - cfh\alpha\delta\epsilon + bgh\alpha\delta\epsilon + 6ah^2\alpha\delta\epsilon - 3h^2\alpha^2\delta\epsilon + 2df^2\beta\delta\epsilon - 8deg\beta\delta\epsilon - cfg\beta\delta\epsilon + 2bg^2\beta\delta\epsilon + 2df^2\beta\delta\epsilon - 8deg\beta\delta\epsilon - cfg\beta\delta\epsilon + 2dg^2\beta\delta\epsilon + 2dg^2\beta\delta\epsilon + 2dg^2\beta\delta\epsilon - 2dg^2\beta\delta\epsilon + 2dg^2\beta\delta\epsilon - 2dg^2\beta\delta\epsilon + 2dg^2\beta\delta\epsilon - 2dg^2\beta\delta\epsilon - 2dg^2\beta\delta\epsilon + 2dg^2\beta\delta\epsilon - 2dg^2\beta\delta\delta\epsilon - 2dg^2\beta\delta\epsilon - 2dg^2\delta\delta\epsilon - 2dg^2\delta\delta\delta\epsilon - 2dg^2\delta\delta\delta\epsilon - 2dg^2\delta\delta\delta\epsilon - 2dg^2\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta\delta - 2dg^2\delta\delta\delta\delta\delta - 2d$ $6ceh\beta\delta\epsilon - 4bfh\beta\delta\epsilon + agh\beta\delta\epsilon - gh\alpha\beta\delta\epsilon - g^2\beta^2\delta\epsilon + 2fh\beta^2\delta\epsilon + 2c^2e\gamma\delta\epsilon - 8bde\gamma\delta\epsilon - bcf\gamma\delta\epsilon + 6adf\gamma\delta\epsilon + 2b^2g\gamma\delta\epsilon - bcf\gamma\delta\epsilon + bcf\gamma\delta\epsilon$ $4acg\gamma\delta\epsilon + abh\gamma\delta\epsilon - 6df\alpha\gamma\delta\epsilon + 4cg\alpha\gamma\delta\epsilon - bh\alpha\gamma\delta\epsilon + 8de\beta\gamma\delta\epsilon + cf\beta\gamma\delta\epsilon - 4bg\beta\gamma\delta\epsilon - ah\beta\gamma\delta\epsilon + h\alpha\beta\gamma\delta\epsilon +$ $2g\beta^2\gamma\delta\epsilon - b^2\gamma^2\delta\epsilon + 2ac\gamma^2\delta\epsilon - 2c\alpha\gamma^2\delta\epsilon + 2b\beta\gamma^2\delta\epsilon - \beta^2\gamma^2\delta\epsilon + 9de^2\delta^2\epsilon - 2cef\delta^2\epsilon + bf^2\delta^2\epsilon - 4beg\delta^2\epsilon + 3afg\delta^2\epsilon - 4beg\delta^2\epsilon + bf^2\delta^2\epsilon + bf^2\delta^2\epsilon$ $6aeh\delta^2\epsilon - 3fg\alpha\delta^2\epsilon + 6eh\alpha\delta^2\epsilon - f^2\beta\delta^2\epsilon + 4eg\beta\delta^2\epsilon + 4be\gamma\delta^2\epsilon - 3af\gamma\delta^2\epsilon + 3f\alpha\gamma\delta^2\epsilon - 4e\beta\gamma\delta^2\epsilon - 3e^2\delta^3\epsilon - 3d^3e\epsilon^2 + 4be\gamma\delta^2\epsilon - 3e^2\delta^3\epsilon - 3e^2\delta^3\epsilon$ $cd^2f\epsilon^2 - c^2dq\epsilon^2 + 2bd^2q\epsilon^2 + c^3h\epsilon^2 - 3bcdh\epsilon^2 + 3ad^2h\epsilon^2 - 3d^2h\alpha\epsilon^2 - 2d^2q\beta\epsilon^2 + 3cdh\beta\epsilon^2 + c^2d\gamma\epsilon^2 - 2bd^2\gamma\epsilon^2 + 3cdh\beta\epsilon^2 + 3cdh\delta\epsilon^2 + 3cdh\delta$ $2d^2\beta\gamma\epsilon^2 + 9d^2e\delta\epsilon^2 - 2cdf\delta\epsilon^2 + c^2g\delta\epsilon^2 - 4bdg\delta\epsilon^2 + 3bch\delta\epsilon^2 - 6adh\delta\epsilon^2 + 6dh\alpha\delta\epsilon^2 + 4dg\beta\delta\epsilon^2 - 3ch\beta\delta\epsilon^2 - c^2\gamma\delta\epsilon^2 + 3bch\delta\epsilon^2 - 6adh\delta\epsilon^2 + 6dh\alpha\delta\epsilon^2 + 4dg\beta\delta\epsilon^2 - 3ch\beta\delta\epsilon^2 - c^2\gamma\delta\epsilon^2 + 3bch\delta\epsilon^2 - 6adh\delta\epsilon^2 + 6dh\alpha\delta\epsilon^2 + 6dh\alpha\delta\epsilon^$ $4bd\gamma\delta\epsilon^2 - 4d\beta\gamma\delta\epsilon^2 - 9de\delta^2\epsilon^2 + cf\delta^2\epsilon^2 + 2bg\delta^2\epsilon^2 + 3ah\delta^2\epsilon^2 - 3h\alpha\delta^2\epsilon^2 - 2g\beta\delta^2\epsilon^2 - 2b\gamma\delta^2\epsilon^2 + 2\beta\gamma\delta^2\epsilon^2 + 3e\delta^3\epsilon^2 + 2b\gamma\delta^2\epsilon^2 + 3ab\delta^2\epsilon^2 - 3h\alpha\delta^2\epsilon^2 - 2b\gamma\delta^2\epsilon^2 + 2b\gamma\delta^2\epsilon^2 + 3ab\delta^2\epsilon^2 - 3b\alpha\delta^2\epsilon^2 - 2b\gamma\delta^2\epsilon^2 + 3ab\delta^2\epsilon^2 - 3b\alpha\delta^2\epsilon^2 - 3b\alpha\delta^2\epsilon^$ $d^{3}\epsilon^{3} - 3d^{2}\delta\epsilon^{3} + 3d\delta^{2}\epsilon^{3} - \delta^{3}\epsilon^{3} - c^{3}e^{2}\eta + 3bcde^{2}\eta - 3ad^{2}e^{2}\eta + bc^{2}ef\eta - 2b^{2}def\eta - acdef\eta - ac^{2}f^{2}\eta + 2abdf^{2}\eta - acdef\eta - ac^{2}f^{2}\eta + 2abdf^{2}\eta - acdef\eta - ac^{2}f^{2}\eta + ac^{2}f^{2}\eta$ $b^2 ceq \eta + 2ac^2 eq \eta + abdeq \eta + abcf q \eta - 3a^2 df q \eta - a^2 cq^2 \eta + 2b^3 eh \eta - 6abceh \eta + 6a^2 deh \eta - 2ab^2 fh \eta + 4a^2 cf h \eta + 4a^2$ $2a^2bgh\eta - 3a^3h^2\eta + 3d^2e^2\alpha\eta + cdef\alpha\eta + c^2f^2\alpha\eta - 2bdf^2\alpha\eta - 2c^2eg\alpha\eta - bdeg\alpha\eta - bcfg\alpha\eta + 6adfg\alpha\eta + bdeg\alpha\eta + bdeg\alpha$ $2acg^2\alpha\eta + 6bceh\alpha\eta - 12adeh\alpha\eta + 2b^2fh\alpha\eta - 8acfh\alpha\eta - 4abgh\alpha\eta + 9a^2h^2\alpha\eta - 3dfg\alpha^2\eta - cg^2\alpha^2\eta + 6deh\alpha^2\eta + 2acg^2\alpha\eta + 6deh\alpha\eta + 2b^2fh\alpha\eta - 8acfh\alpha\eta - 4abgh\alpha\eta + 9a^2h^2\alpha\eta - 3dfg\alpha^2\eta - cg^2\alpha^2\eta + 6deh\alpha^2\eta + 2acg^2\alpha\eta + 6deh\alpha\eta + 2b^2fh\alpha\eta - 8acfh\alpha\eta - 4abgh\alpha\eta + 9a^2h^2\alpha\eta - 3dfg\alpha^2\eta - cg^2\alpha^2\eta + 6deh\alpha^2\eta + 2acg^2\alpha\eta + 6deh\alpha\eta + 2b^2fh\alpha\eta - 8acfh\alpha\eta - 4abgh\alpha\eta + 9a^2h^2\alpha\eta - 3dfg\alpha^2\eta - cg^2\alpha^2\eta + 6deh\alpha^2\eta + 2acg^2\alpha\eta + 6deh\alpha\eta + 6deh\alpha\eta$ $4cfh\alpha^2\eta + 2bgh\alpha^2\eta - 9ah^2\alpha^2\eta + 3h^2\alpha^3\eta - 3cde^2\beta\eta - c^2ef\beta\eta + 4bdef\beta\eta - 2adf^2\beta\eta + 2bceg\beta\eta - adeg\beta\eta - adeg\phi - adeg\phi$ $acfg\beta\eta - 6b^2eh\beta\eta + 6aceh\beta\eta + 4abfh\beta\eta - 2a^2gh\beta\eta + 2df^2\alpha\beta\eta + deg\alpha\beta\eta + cfg\alpha\beta\eta - 6ceh\alpha\beta\eta - 4bfh\alpha\beta\eta + deg\alpha\beta\eta +$ $4agh\alpha\beta\eta-2gh\alpha^2\beta\eta-2def\beta^2\eta-ceg\beta^2\eta+6beh\beta^2\eta-2afh\beta^2\eta+2fh\alpha\beta^2\eta-2eh\beta^3\eta+b^2ce\gamma\eta-2ac^2$ $abde\gamma\eta-abcf\gamma\eta+3a^2df\gamma\eta+2a^2cg\gamma\eta-2a^2bh\gamma\eta+2c^2e\alpha\gamma\eta+bde\alpha\gamma\eta+bcf\alpha\gamma\eta-6adf\alpha\gamma\eta-4acg\alpha\gamma\eta+bde\alpha\gamma+bde\alpha$ $4abh\alpha\gamma\eta + 3df\alpha^2\gamma\eta + 2cg\alpha^2\gamma\eta - 2bh\alpha^2\gamma\eta - 2bce\beta\gamma\eta + ade\beta\gamma\eta + acf\beta\gamma\eta + 2a^2h\beta\gamma\eta - de\alpha\beta\gamma\eta - cf\alpha\beta\gamma\eta - de\alpha\beta\gamma\eta -$ $4ah\alpha\beta\gamma\eta + 2h\alpha^2\beta\gamma\eta + ce\beta^2\gamma\eta - a^2c\gamma^2\eta + 2ac\alpha\gamma^2\eta - c\alpha^2\gamma^2\eta - 3bce^2\delta\eta + 6ade^2\delta\eta + 2b^2ef\delta\eta + acef\delta\eta 2abf^2\delta\eta - abeg\delta\eta + 3a^2fg\delta\eta - 6a^2eh\delta\eta - 6de^2\alpha\delta\eta - cef\alpha\delta\eta + 2bf^2\alpha\delta\eta + beg\alpha\delta\eta - 6afg\alpha\delta\eta + 12aeh\alpha\delta\eta + 2bf^2\alpha\delta\eta + beg\alpha\delta\eta - 6afg\alpha\delta\eta + beg\alpha\delta\eta - 6afg\alpha\delta\eta + beg\alpha\delta\eta - 6afg\alpha\delta\eta + beg\alpha\delta\eta - 6afg\alpha\delta\eta + beg\alpha\delta\eta - beg\alpha\delta\eta -$ $3fg\alpha^2\delta\eta - 6eh\alpha^2\delta\eta + 3ce^2\beta\delta\eta - 4bef\beta\delta\eta + 2af^2\beta\delta\eta + aeg\beta\delta\eta - 2f^2\alpha\beta\delta\eta - eg\alpha\beta\delta\eta + 2ef\beta^2\delta\eta + abe\gamma\delta\eta - eg\alpha\beta\delta\eta + 2ef\beta^2\delta\eta + abe\gamma\delta\eta - eg\alpha\beta\delta\eta + 2ef\beta^2\delta\eta + abe\gamma\delta\eta - eg\alpha\beta\delta\eta + eg\alpha\beta\delta\eta - eg\alpha\beta\delta\eta - eg\alpha\beta\delta\eta + eg\alpha\beta\delta\eta - eg\alpha\beta\gamma - eg\alpha\beta\delta\eta - eg\alpha\beta\gamma - eg\alpha\beta$ $3a^2f\gamma\delta\eta - be\alpha\gamma\delta\eta + 6af\alpha\gamma\delta\eta - 3f\alpha^2\gamma\delta\eta - ae\beta\gamma\delta\eta + e\alpha\beta\gamma\delta\eta - 3ae^2\delta^2\eta + 3e^2\alpha\delta^2\eta + 2c^3e\epsilon\eta - 6bcde\epsilon\eta + 2c^3e^2\eta + 3e^2\alpha\delta^2\eta + 3e^2\alpha\delta^2\eta$ $6ad^2e\epsilon\eta - bc^2f\epsilon\eta + 2b^2df\epsilon\eta + acdf\epsilon\eta + b^2cg\epsilon\eta - 2ac^2g\epsilon\eta - abdg\epsilon\eta - 2b^3h\epsilon\eta + 6abch\epsilon\eta - 6a^2dh\epsilon\eta - 6d^2e\alpha\epsilon\eta - bc^2f\epsilon\eta + acdf\epsilon\eta + +$ $cdf\alpha\epsilon\eta + 2c^2g\alpha\epsilon\eta + bdg\alpha\epsilon\eta - 6bch\alpha\epsilon\eta + 12adh\alpha\epsilon\eta - 6dh\alpha^2\epsilon\eta + 6cde\beta\epsilon\eta + c^2f\beta\epsilon\eta - 4bdf\beta\epsilon\eta - 2bcg\beta\epsilon\eta +$ $adg\beta\epsilon\eta + 6b^2h\beta\epsilon\eta - 6ach\beta\epsilon\eta - dg\alpha\beta\epsilon\eta + 6ch\alpha\beta\epsilon\eta + 2df\beta^2\epsilon\eta + cg\beta^2\epsilon\eta - 6bh\beta^2\epsilon\eta + 2h\beta^3\epsilon\eta - b^2c\gamma\epsilon\eta + 2ac^2\gamma\epsilon\eta +$ $abd\gamma\epsilon\eta - 2c^2\alpha\gamma\epsilon\eta - bd\alpha\gamma\epsilon\eta + 2bc\beta\gamma\epsilon\eta - ad\beta\gamma\epsilon\eta + d\alpha\beta\gamma\epsilon\eta - c\beta^2\gamma\epsilon\eta + 6bc\epsilon\delta\epsilon\eta - 12ad\epsilon\delta\epsilon\eta - 2b^2f\delta\epsilon\eta - acf\delta\epsilon\eta +$ $abg\delta\epsilon\eta + 6a^2h\delta\epsilon\eta + 12de\alpha\delta\epsilon\eta + cf\alpha\delta\epsilon\eta - bg\alpha\delta\epsilon\eta - 12ah\alpha\delta\epsilon\eta + 6h\alpha^2\delta\epsilon\eta - 6ce\beta\delta\epsilon\eta + 4bf\beta\delta\epsilon\eta - ag\beta\delta\epsilon\eta +$ $g\alpha\beta\delta\epsilon\eta - 2f\beta^2\delta\epsilon\eta - ab\gamma\delta\epsilon\eta + b\alpha\gamma\delta\epsilon\eta + a\beta\gamma\delta\epsilon\eta - \alpha\beta\gamma\delta\epsilon\eta + 6ae\delta^2\epsilon\eta - 6e\alpha\delta^2\epsilon\eta - c^3\epsilon^2\eta + 3bcd\epsilon^2\eta - 3ad^2\epsilon^2\eta + 6ae\delta^2\epsilon\eta - 6ae\delta^2\epsilon\eta$ $3d^2\alpha\epsilon^2\eta - 3cd\beta\epsilon^2\eta - 3bc\delta\epsilon^2\eta + 6ad\delta\epsilon^2\eta - 6d\alpha\delta\epsilon^2\eta + 3c\beta\delta\epsilon^2\eta - 3a\delta^2\epsilon^2\eta + 3\alpha\delta^2\epsilon^2\eta - b^3e\eta^2 + 3abce\eta^2 - 3a^2de\eta^2 +$ $ab^{2}f\eta^{2}-2a^{2}cf\eta^{2}-a^{2}bg\eta^{2}+3a^{3}h\eta^{2}-3bce\alpha\eta^{2}+6ade\alpha\eta^{2}-b^{2}f\alpha\eta^{2}+4acf\alpha\eta^{2}+2abg\alpha\eta^{2}-9a^{2}h\alpha\eta^{2}-4acf\alpha\eta^{2}+abg\alpha\eta^{2}-abg\alpha\eta^{2}$ $3de\alpha^2\eta^2-2cf\alpha^2\eta^2-bg\alpha^2\eta^2+9ah\alpha^2\eta^2-3h\alpha^3\eta^2+3b^2e\beta\eta^2-3ace\beta\eta^2-2abf\beta\eta^2+a^2g\beta\eta^2+3ce\alpha\beta\eta^2+3b^2e\beta\eta^2-3ace\beta\eta^2-3ace\beta\eta^2-3ace\beta\eta^2+3b^2e\beta\eta^2-3ac^2\eta^2-3ac^$ $2bf\alpha\beta\eta^2 - 2ag\alpha\beta\eta^2 + g\alpha^2\beta\eta^2 - 3be\beta^2\eta^2 + af\beta^2\eta^2 - f\alpha\beta^2\eta^2 + e\beta^3\eta^2 + a^2b\gamma\eta^2 - 2ab\alpha\gamma\eta^2 + b\alpha^2\gamma\eta^2 - a^2\beta\gamma\eta^2 + a\beta\beta^2\eta^2 - a\beta\beta^2\eta^2 + a\beta\beta^2\eta^2 - a\beta\beta^2\eta^2 + a\beta\beta^2\eta^2 - a\beta\beta^2\eta^2$ $2a\alpha\beta\gamma\eta^2 - \alpha^2\beta\gamma\eta^2 + 3a^2e\delta\eta^2 - 6ae\alpha\delta\eta^2 + 3e\alpha^2\delta\eta^2 + b^3\epsilon\eta^2 - 3abc\epsilon\eta^2 + 3a^2d\epsilon\eta^2 + 3bc\alpha\epsilon\eta^2 - 6ad\alpha\epsilon\eta^2 + 3bc\alpha^2\delta\eta^2 + 3a^2d\epsilon\eta^2 +$ $3d\alpha^2\epsilon\eta^2 - 3b^2\beta\epsilon\eta^2 + 3ac\beta\epsilon\eta^2 - 3c\alpha\beta\epsilon\eta^2 + 3b\beta^2\epsilon\eta^2 - \beta^3\epsilon\eta^2 - 3a^2\delta\epsilon\eta^2 + 6a\alpha\delta\epsilon\eta^2 - 3\alpha^2\delta\epsilon\eta^2 - a^3\eta^3 + 3a^2\alpha\eta^3 - a^2\delta\epsilon\eta^2 - a^2\delta\epsilon\eta^$ $3a\alpha^2\eta^3 + \alpha^3\eta^3 - cd^2e^2\phi + 2bd^2ef\phi - 3ad^2f^2\phi - bcdeg\phi + 3ad^2eg\phi + 2acdfg\phi - abdg^2\phi + bc^2eh\phi - 2b^2deh\phi - bcdeg\phi + 3ad^2eg\phi + bc^2eh\phi - bcdeg\phi + bc^2eh\phi - bc^2eh\phi$ $acdeh\phi - 2ac^2fh\phi + 4abdfh\phi + abcgh\phi - 3a^2dgh\phi - ab^2h^2\phi + 2a^2ch^2\phi + 3d^2f^2\alpha\phi - 3d^2eg\alpha\phi - 2cdfg\alpha\phi + 3d^2eg\alpha\phi + 3d^2e\alpha\phi + 3d^2eg\alpha\phi + 3d^2e\alpha\phi + 3d^2e\alpha\phi + 3d^2e\alpha\phi + 3d^2e\alpha\phi + 3d^2e\alpha\phi$ $bdg^2\alpha\phi + cdeh\alpha\phi + 2c^2fh\alpha\phi - 4bdfh\alpha\phi - bcgh\alpha\phi + 6adgh\alpha\phi + b^2h^2\alpha\phi - 4ach^2\alpha\phi - 3dgh\alpha^2\phi + 2ch^2\alpha^2\phi - 4ach^2\alpha\phi - 4$ $2d^2ef\beta\phi + cdeg\beta\phi + adg^2\beta\phi - c^2eh\beta\phi + 4bdeh\beta\phi - 4adfh\beta\phi - acgh\beta\phi + 2abh^2\beta\phi - dg^2\alpha\beta\phi + 4dfh\alpha\beta\phi +$

 $cgh\alpha\beta\phi - 2bh^2\alpha\beta\phi - 2deh\beta^2\phi - ah^2\beta^2\phi + h^2\alpha\beta^2\phi + bcde\gamma\phi - 3ad^2e\gamma\phi - 2acdf\gamma\phi + 2abdg\gamma\phi - abch\gamma\phi + 2abdg\gamma\phi - abch\gamma\phi + 2abdg\gamma\phi - abch\gamma\phi + abch\gamma$ $3a^2dh\gamma\phi + 3d^2e\alpha\gamma\phi + 2cdf\alpha\gamma\phi - 2bdg\alpha\gamma\phi + bch\alpha\gamma\phi - 6adh\alpha\gamma\phi + 3dh\alpha^2\gamma\phi - cde\beta\gamma\phi - 2adg\beta\gamma\phi + ach\beta\gamma\phi + 3dh\alpha^2\phi + 3dh\alpha$ $2dg\alpha\beta\gamma\phi - ch\alpha\beta\gamma\phi - abd\gamma^2\phi + bd\alpha\gamma^2\phi + ad\beta\gamma^2\phi - d\alpha\beta\gamma^2\phi + 2cde^2\delta\phi - 4bdef\delta\phi + 6adf^2\delta\phi + bceg\delta\phi - d\alpha\beta\gamma^2\phi + d\alpha\beta\gamma$ $6adeg\delta\phi - 2acfg\delta\phi + abg^2\delta\phi + 2b^2eh\delta\phi + aceh\delta\phi - 4abfh\delta\phi + 3a^2gh\delta\phi - 6df^2\alpha\delta\phi + 6deg\alpha\delta\phi + 2cfg\alpha\delta\phi - 4abfh\delta\phi + 3a^2gh\delta\phi - 6df^2\alpha\delta\phi + 6deg\alpha\delta\phi + 2cfg\alpha\delta\phi - 4abfh\delta\phi + 3a^2gh\delta\phi - 6df^2\alpha\delta\phi + 6deg\alpha\delta\phi + 2cfg\alpha\delta\phi - 6df^2\alpha\delta\phi + 6deg\alpha\delta\phi + 6deg\alpha\phi + 6deg\alpha\phi + 6deg\alpha\phi + 6deg\alpha\phi + 6deg\alpha\phi + 6deg\alpha\phi +$ $bg^2\alpha\delta\phi - ceh\alpha\delta\phi + 4bfh\alpha\delta\phi - 6agh\alpha\delta\phi + 3gh\alpha^2\delta\phi + 4def\beta\delta\phi - ceg\beta\delta\phi - ag^2\beta\delta\phi - 4beh\beta\delta\phi + 4afh\beta\delta\phi + 4afh\beta\phi + 4afh\phi + 4afh\beta\phi + 4afh\phi + 4afh$ $g^2\alpha\beta\delta\phi - 4fh\alpha\beta\delta\phi + 2eh\beta^2\delta\phi - bce\gamma\delta\phi + 6ade\gamma\delta\phi + 2acf\gamma\delta\phi - 2abg\gamma\delta\phi - 3a^2h\gamma\delta\phi - 6de\alpha\gamma\delta\phi - 2cf\alpha\gamma\delta\phi +$ $2bg\alpha\gamma\delta\phi + 6ah\alpha\gamma\delta\phi - 3h\alpha^2\gamma\delta\phi + ce\beta\gamma\delta\phi + 2ag\beta\gamma\delta\phi - 2g\alpha\beta\gamma\delta\phi + ab\gamma^2\delta\phi - b\alpha\gamma^2\delta\phi - a\beta\gamma^2\delta\phi + \alpha\beta\gamma^2\delta\phi - a\beta\gamma^2\delta\phi + ab\gamma^2\delta\phi - a\beta\gamma^2\delta\phi - a\beta\gamma^2\phi - a\gamma\gamma^2\phi - a\gamma\gamma$ $ce^2\delta^2\phi + 2bef\delta^2\phi - 3af^2\delta^2\phi + 3aeg\delta^2\phi + 3f^2\alpha\delta^2\phi - 3eg\alpha\delta^2\phi - 2ef\beta\delta^2\phi - 3ae\gamma\delta^2\phi + 3e\alpha\gamma\delta^2\phi + 2cd^2e\epsilon\phi - 3eg\alpha\delta^2\phi + 3e^2\phi\delta^2\phi + 3e^2\phi\phi + 3$ $2bd^2f\epsilon\phi + bcdg\epsilon\phi - 3ad^2g\epsilon\phi - bc^2h\epsilon\phi + 2b^2dh\epsilon\phi + acdh\epsilon\phi + 3d^2g\alpha\epsilon\phi - cdh\alpha\epsilon\phi + 2d^2f\beta\epsilon\phi - cdg\beta\epsilon\phi + c^2h\beta\epsilon\phi - cd\beta\phi + c$ $4bdh\beta\epsilon\phi + 2dh\beta^2\epsilon\phi - bcd\gamma\epsilon\phi + 3ad^2\gamma\epsilon\phi - 3d^2\alpha\gamma\epsilon\phi + cd\beta\gamma\epsilon\phi - 4cd\epsilon\delta\epsilon\phi + 4bdf\delta\epsilon\phi - bcg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 3ad^2\gamma\epsilon\phi - 3d^2\alpha\gamma\epsilon\phi + cd\beta\gamma\epsilon\phi - 4cd\epsilon\delta\epsilon\phi + 4bdf\delta\epsilon\phi - bcg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 3ad^2\gamma\epsilon\phi - 3d^2\alpha\gamma\epsilon\phi + cd\beta\gamma\epsilon\phi - 4cd\epsilon\delta\epsilon\phi + 4bdf\delta\epsilon\phi - bcg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 3ad^2\gamma\epsilon\phi - 3d^2\alpha\gamma\epsilon\phi + cd\beta\gamma\epsilon\phi - 4cd\epsilon\delta\epsilon\phi + 4bdf\delta\epsilon\phi - bcg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 3ad^2\gamma\epsilon\phi - 3d^2\alpha\gamma\epsilon\phi + cd\beta\gamma\epsilon\phi - 4cd\epsilon\delta\epsilon\phi + 4bdf\delta\epsilon\phi - bcg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 6adg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 6adg\delta\epsilon\phi + 6adg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 6adg\delta\epsilon\phi + 6adg\delta\epsilon\phi - bcd\gamma\epsilon\phi + 6adg\delta\epsilon\phi + 6ad\phi\delta\epsilon\phi + 6ad\phi$ $2b^2h\delta\epsilon\phi - ach\delta\epsilon\phi - 6dg\alpha\delta\epsilon\phi + ch\alpha\delta\epsilon\phi - 4df\beta\delta\epsilon\phi + cg\beta\delta\epsilon\phi + 4bh\beta\delta\epsilon\phi - 2h\beta^2\delta\epsilon\phi + bc\gamma\delta\epsilon\phi - 6ad\gamma\delta\epsilon\phi + cd\beta\delta\epsilon\phi + dd\beta\delta\epsilon\phi + dd\beta\delta\delta\epsilon\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\delta\phi + dd\beta\delta\delta\phi + dd\delta\delta\phi + dd\delta\phi + dd\delta\delta\phi + dd\delta\phi +$ $6d\alpha\gamma\delta\epsilon\phi - c\beta\gamma\delta\epsilon\phi + 2c\epsilon\delta^2\epsilon\phi - 2bf\delta^2\epsilon\phi - 3ag\delta^2\epsilon\phi + 3g\alpha\delta^2\epsilon\phi + 2f\beta\delta^2\epsilon\phi + 3a\gamma\delta^2\epsilon\phi - 3\alpha\gamma\delta^2\epsilon\phi - cd^2\epsilon^2\phi +$ $2cd\delta\epsilon^2\phi - c\delta^2\epsilon^2\phi - bc^2e\eta\phi + 2b^2de\eta\phi + acde\eta\phi + 2ac^2f\eta\phi - 4abdf\eta\phi - abcg\eta\phi + 3a^2dg\eta\phi + 2ab^2h\eta\phi - 4a^2ch\eta\phi - abcg\eta\phi + 3a^2dg\eta\phi + 2ab^2h\eta\phi - abcg\eta\phi + abcg\eta\phi +$ $cde\alpha\eta\phi - 2c^2f\alpha\eta\phi + 4bdf\alpha\eta\phi + bcg\alpha\eta\phi - 6adg\alpha\eta\phi - 2b^2h\alpha\eta\phi + 8ach\alpha\eta\phi + 3dg\alpha^2\eta\phi - 4ch\alpha^2\eta\phi + c^2e\beta\eta\phi 4bde\beta\eta\phi + 4adf\beta\eta\phi + acg\beta\eta\phi - 4abh\beta\eta\phi - 4df\alpha\beta\eta\phi - cg\alpha\beta\eta\phi + 4bh\alpha\beta\eta\phi + 2de\beta^2\eta\phi + 2ah\beta^2\eta\phi - 2h\alpha\beta^2\eta\phi + 2ah\beta^2\eta\phi + 2ah\beta^2\eta$ $abc\gamma\eta\phi - 3a^2d\gamma\eta\phi - bc\alpha\gamma\eta\phi + 6ad\alpha\gamma\eta\phi - 3d\alpha^2\gamma\eta\phi - ac\beta\gamma\eta\phi + c\alpha\beta\gamma\eta\phi - 2b^2e\delta\eta\phi - ace\delta\eta\phi + 4abf\delta\eta\phi - ace\delta\eta\phi + bc\alpha\gamma\eta\phi - bc\alpha\gamma\eta\phi + bc\alpha\gamma\eta\phi - ace\delta\eta\phi + ace\delta\eta\phi - ac$ $3a^2g\delta\eta\phi + ce\alpha\delta\eta\phi - 4bf\alpha\delta\eta\phi + 6ag\alpha\delta\eta\phi - 3g\alpha^2\delta\eta\phi + 4be\beta\delta\eta\phi - 4af\beta\delta\eta\phi + 4f\alpha\beta\delta\eta\phi - 2e\beta^2\delta\eta\phi + 3a^2\gamma\delta\eta\phi 6a\alpha\gamma\delta\eta\phi + 3\alpha^2\gamma\delta\eta\phi + bc^2\epsilon\eta\phi - 2b^2d\epsilon\eta\phi - acd\epsilon\eta\phi + cd\alpha\epsilon\eta\phi - c^2\beta\epsilon\eta\phi + 4bd\beta\epsilon\eta\phi - 2d\beta^2\epsilon\eta\phi + 2b^2\delta\epsilon\eta\phi +$ $ac\delta\epsilon\eta\phi - c\alpha\delta\epsilon\eta\phi - 4b\beta\delta\epsilon\eta\phi + 2\beta^2\delta\epsilon\eta\phi - ab^2\eta^2\phi + 2a^2c\eta^2\phi + b^2\alpha\eta^2\phi - 4ac\alpha\eta^2\phi + 2c\alpha^2\eta^2\phi + 2ab\beta\eta^2\phi 2b\alpha\beta\eta^2\phi - a\beta^2\eta^2\phi + \alpha\beta^2\eta^2\phi - bd^2e\phi^2 + 3ad^2f\phi^2 - acdg\phi^2 + ac^2h\phi^2 - 2abdh\phi^2 - 3d^2f\alpha\phi^2 + cdg\alpha\phi^2 - acdg\phi^2 + ac^2h\phi^2 - a$ $c^2h\alpha\phi^2 + 2bdh\alpha\phi^2 + d^2e\beta\phi^2 + 2adh\beta\phi^2 - 2dh\alpha\beta\phi^2 + acd\gamma\phi^2 - cd\alpha\gamma\phi^2 + 2bde\delta\phi^2 - 6adf\delta\phi^2 + acg\delta\phi^2 + acg\delta\phi^2$ $2abh\delta\phi^2 + 6df\alpha\delta\phi^2 - cg\alpha\delta\phi^2 - 2bh\alpha\delta\phi^2 - 2de\beta\delta\phi^2 - 2ah\beta\delta\phi^2 + 2h\alpha\beta\delta\phi^2 - ac\gamma\delta\phi^2 + c\alpha\gamma\delta\phi^2 - be\delta^2\phi^2 + ac\gamma\delta\phi^2 - be\delta^2\phi^2 + ba\delta\phi^2 - be\delta^2\phi^2 + ba\delta\phi^2 - be\delta^2\phi^2 + ba\delta\phi^2 - ba\phi\phi^2 - ba\delta\phi^2 - ba\delta\phi^2 - ba\delta\phi^2 - ba\delta\phi^2 - ba\delta\phi^2 - ba\delta\phi^2 - ba\delta\phi$ $3af\delta^2\phi^2 - 3f\alpha\delta^2\phi^2 + e\beta\delta^2\phi^2 + bd^2\epsilon\phi^2 - d^2\beta\epsilon\phi^2 - 2bd\delta\epsilon\phi^2 + 2d\beta\delta\epsilon\phi^2 + b\delta^2\epsilon\phi^2 - \beta\delta^2\epsilon\phi^2 - ac^2\eta\phi^2 + 2abd\eta\phi^2 + b\delta^2\phi^2 - ab^2\phi^2 - a$ $c^2\alpha\eta\phi^2 - 2bd\alpha\eta\phi^2 - 2ad\beta\eta\phi^2 + 2d\alpha\beta\eta\phi^2 - 2ab\delta\eta\phi^2 + 2b\alpha\delta\eta\phi^2 + 2a\beta\delta\eta\phi^2 - 2\alpha\beta\delta\eta\phi^2 - ad^2\phi^3 + d^2\alpha\phi^3 + d^2\alpha\phi^$ $2ad\delta\phi^3 - 2d\alpha\delta\phi^3 - a\delta^2\phi^3 + \alpha\delta^2\phi^3 - d^2e^2f\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - bdefg\chi + adf^2g\chi - 2adeg^2\chi - 3c^2e^2h\chi + 3bde^2h\chi + 2cde^2g\chi - 3c^2e^2h\chi + 3bde^2h\chi + 3$ $2bcefh\chi - adefh\chi - 2acf^2h\chi - b^2egh\chi + 4acegh\chi + abfgh\chi - a^2g^2h\chi - 3abeh^2\chi + 2a^2fh^2\chi - df^2g\alpha\chi + abfgh\chi - a^2g^2h\chi - 3abeh^2\chi + 2a^2fh^2\chi - df^2g\alpha\chi + abfgh\chi - a^2g^2h\chi - abeh^2\chi + abfgh\chi - abeh^2\chi + a$ $2deg^2\alpha\chi + defh\alpha\chi + 2cf^2h\alpha\chi - 4cegh\alpha\chi - bfgh\alpha\chi + 2ag^2h\alpha\chi + 3beh^2\alpha\chi - 4afh^2\alpha\chi - g^2h\alpha^2\chi + 2fh^2\alpha^2\chi + 2fh^2\alpha$ $defg\beta\chi-3de^2h\beta\chi-2cefh\beta\chi+2begh\beta\chi-afgh\beta\chi+3aeh^2\beta\chi+fgh\alpha\beta\chi-3eh^2\alpha\beta\chi-egh\beta^2\chi-2cde^2\gamma\chi+3aeh^2\beta\chi+3$ $bdef\gamma\chi - adf^2\gamma\chi + 4adeg\gamma\chi + b^2eh\gamma\chi - 4aceh\gamma\chi - abfh\gamma\chi + 2a^2gh\gamma\chi + df^2\alpha\gamma\chi - 4deg\alpha\gamma\chi + 4ceh\alpha\gamma\chi + aceh\gamma\chi + aceh\gamma\chi + aceh\gamma\chi + b^2eh\gamma\chi + aceh\gamma\chi +$ $bfh\alpha\gamma\chi - 4agh\alpha\gamma\chi + 2gh\alpha^2\gamma\chi - def\beta\gamma\chi - 2beh\beta\gamma\chi + afh\beta\gamma\chi - fh\alpha\beta\gamma\chi + eh\beta^2\gamma\chi - 2ade\gamma^2\chi - a^2h\gamma^2\chi + afh\beta\gamma\chi - fh\alpha\beta\gamma\chi - fh\alpha\beta\gamma\chi + afh\beta\gamma\chi + afh\gamma\gamma\chi + a$ $2de\alpha\gamma^2\chi + 2ah\alpha\gamma^2\chi - h\alpha^2\gamma^2\chi + 2de^2f\delta\chi - 2ce^2g\delta\chi + befg\delta\chi - af^2g\delta\chi + 2aeg^2\delta\chi - 3be^2h\delta\chi + aefh\delta\chi + aefh aefh\delta\chi + aefh\delta\chi +$ $4eg\alpha\gamma\delta\chi + ef\beta\gamma\delta\chi + 2ae\gamma^2\delta\chi - 2e\alpha\gamma^2\delta\chi - e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi - 4cdeg\epsilon\chi + bdfg\epsilon\chi + 2adg^2\epsilon\chi + 6c^2eh\epsilon\chi - 2e^2f\delta^2\chi + 2d^2ef\epsilon\chi + 2e^2f\delta^2\chi + 2e^2f\delta^2\chi$ $6bdeh\epsilon\chi - 2bcfh\epsilon\chi + adfh\epsilon\chi + b^2gh\epsilon\chi - 4acgh\epsilon\chi + 3abh^2\epsilon\chi - 2dg^2\alpha\epsilon\chi - dfh\alpha\epsilon\chi + 4cgh\alpha\epsilon\chi - 3bh^2\alpha\epsilon\chi - dfh\alpha\epsilon\chi + dgh\alpha\epsilon\chi - dgh\alpha\epsilon\chi$ $dfg\beta\epsilon\chi + 6deh\beta\epsilon\chi + 2cfh\beta\epsilon\chi - 2bgh\beta\epsilon\chi - 3ah^2\beta\epsilon\chi + 3h^2\alpha\beta\epsilon\chi + gh\beta^2\epsilon\chi + 4cde\gamma\epsilon\chi - bdf\gamma\epsilon\chi - 4adg\gamma\epsilon\chi - 3ah^2\beta\epsilon\chi + 3h^2\alpha\beta\epsilon\chi + 3h^2\alpha\gamma\epsilon\chi + 3h^2\alpha\gamma\epsilon\chi$ $b^2h\gamma\epsilon\chi + 4ach\gamma\epsilon\chi + 4dg\alpha\gamma\epsilon\chi - 4ch\alpha\gamma\epsilon\chi + df\beta\gamma\epsilon\chi + 2bh\beta\gamma\epsilon\chi - h\beta^2\gamma\epsilon\chi + 2ad\gamma^2\epsilon\chi - 2d\alpha\gamma^2\epsilon\chi - 4def\delta\epsilon\chi + 2h\beta\gamma\epsilon\chi + 2h\gamma\epsilon\chi + 2$ $4ceg\delta\epsilon\chi - bfg\delta\epsilon\chi - 2ag^2\delta\epsilon\chi + 6beh\delta\epsilon\chi - afh\delta\epsilon\chi + 2g^2\alpha\delta\epsilon\chi + fh\alpha\delta\epsilon\chi + fg\beta\delta\epsilon\chi - 6eh\beta\delta\epsilon\chi - 4ce\gamma\delta\epsilon\chi + bf\gamma\delta\epsilon\chi + 4ag\gamma\delta\epsilon\chi - 4g\alpha\gamma\delta\epsilon\chi - f\beta\gamma\delta\epsilon\chi - 2a\gamma^2\delta\epsilon\chi + 2\alpha\gamma^2\delta\epsilon\chi + 2ef\delta^2\epsilon\chi - d^2f\epsilon^2\chi + 2cdg\epsilon^2\chi - 3c^2h\epsilon^2\chi + 3bdh\epsilon^2\chi - 3dh\beta\epsilon^2\chi - 2cd\gamma\epsilon^2\chi + 2df\delta\epsilon^2\chi - 2cg\delta\epsilon^2\chi - 3bh\delta\epsilon^2\chi + 3h\beta\delta\epsilon^2\chi + 2c\gamma\delta\epsilon^2\chi - f\delta^2\epsilon^2\chi + 3c^2e^2\eta\chi - d^2f\epsilon^2\chi - d^2f\epsilon^2\chi + d^2f\epsilon^2\chi + d^2f\epsilon^2\chi + d^2f\epsilon^2\chi + d^2f\epsilon^2\chi - d^2f\epsilon^2\chi + d^2f\epsilon^2\chi - d^2$ $3bde^2\eta\chi - 2bcef\eta\chi + adef\eta\chi + 2acf^2\eta\chi + b^2eg\eta\chi - 4aceg\eta\chi - abfg\eta\chi + a^2g^2\eta\chi + 6abeh\eta\chi - 4a^2fh\eta\chi - abfg\eta\chi + abfg\eta\chi$ $def\alpha\eta\chi - 2cf^2\alpha\eta\chi + 4ceg\alpha\eta\chi + bfg\alpha\eta\chi - 2ag^2\alpha\eta\chi - 6beh\alpha\eta\chi + 8afh\alpha\eta\chi + g^2\alpha^2\eta\chi - 4fh\alpha^2\eta\chi + 3de^2\beta\eta\chi + g^2\alpha^2\eta\chi - 4fh\alpha^2\eta\chi + g^2\alpha^2\eta\chi - g^2\alpha^$ $2cef\beta\eta\chi - 2beg\beta\eta\chi + afg\beta\eta\chi - 6aeh\beta\eta\chi - fg\alpha\beta\eta\chi + 6eh\alpha\beta\eta\chi + eg\beta^2\eta\chi - b^2e\gamma\eta\chi + 4ace\gamma\eta\chi + abf\gamma\eta\chi - b^2e\gamma\eta\chi + b^2e\gamma\eta\chi$ $2a^2g\gamma\eta\chi - 4ce\alpha\gamma\eta\chi - bf\alpha\gamma\eta\chi + 4ag\alpha\gamma\eta\chi - 2g\alpha^2\gamma\eta\chi + 2be\beta\gamma\eta\chi - af\beta\gamma\eta\chi + f\alpha\beta\gamma\eta\chi - e\beta^2\gamma\eta\chi + a^2\gamma^2\eta\chi - af\beta\gamma\eta\chi - af\beta\gamma\eta\chi + af\beta\gamma\eta\chi - af\gamma\gamma\eta\chi - af\gamma\gamma\eta - af\gamma\gamma\eta - af\gamma\gamma\eta - af\gamma\gamma\eta - af\gamma\gamma\eta - af\gamma\gamma\eta$ $2a\alpha\gamma^2\eta\chi + \alpha^2\gamma^2\eta\chi + 3be^2\delta\eta\chi - aef\delta\eta\chi + ef\alpha\delta\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 3e^2\beta\delta\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 2bcf\epsilon\eta\chi - adf\epsilon\eta\chi - 6c^2e\epsilon\eta\chi + 6bde\epsilon\eta\chi + 6b$ $b^2g\epsilon\eta\chi + 4acg\epsilon\eta\chi - 6abh\epsilon\eta\chi + df\alpha\epsilon\eta\chi - 4cg\alpha\epsilon\eta\chi + 6bh\alpha\epsilon\eta\chi - 6de\beta\epsilon\eta\chi - 2cf\beta\epsilon\eta\chi + 2bg\beta\epsilon\eta\chi + 6ah\beta\epsilon\eta\chi + 2bg\beta\epsilon\eta\chi + 2bg\gamma\eta + 2b\gamma\eta + 2b\gamma\eta$ $6h\alpha\beta\epsilon\eta\chi - g\beta^2\epsilon\eta\chi + b^2\gamma\epsilon\eta\chi - 4ac\gamma\epsilon\eta\chi + 4c\alpha\gamma\epsilon\eta\chi - 2b\beta\gamma\epsilon\eta\chi + \beta^2\gamma\epsilon\eta\chi - 6be\delta\epsilon\eta\chi + af\delta\epsilon\eta\chi - f\alpha\delta\epsilon\eta\chi +$ $6e\beta\delta\epsilon\eta\chi + 3c^2\epsilon^2\eta\chi - 3bd\epsilon^2\eta\chi + 3d\beta\epsilon^2\eta\chi + 3b\delta\epsilon^2\eta\chi - 3\beta\delta\epsilon^2\eta\chi - 3abe\eta^2\chi + 2a^2f\eta^2\chi + 3be\alpha\eta^2\chi - 4af\alpha\eta^2\chi + 3be\alpha\eta^2\chi - 4af\alpha\eta^2\chi + 3abe\eta^2\chi + 3abe\eta^2\chi$ $2f\alpha^2\eta^2\chi + 3ae\beta\eta^2\chi - 3e\alpha\beta\eta^2\chi + 3ab\epsilon\eta^2\chi - 3b\alpha\epsilon\eta^2\chi - 3a\beta\epsilon\eta^2\chi + 3\alpha\beta\epsilon\eta^2\chi + d^2e^2\phi\chi + bdeg\phi\chi - 2adfg\phi\chi - 2adfg\phi$ $2bceh\phi\chi + adeh\phi\chi + 4acfh\phi\chi - abgh\phi\chi - 2a^2h^2\phi\chi + 2dfg\alpha\phi\chi - deh\alpha\phi\chi - 4cfh\alpha\phi\chi + bgh\alpha\phi\chi + 4ah^2\alpha\phi\chi - deh\alpha\phi\chi + deha\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deha\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deha\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deh\alpha\phi\chi + deha\alpha\phi\chi + deha\alpha\chi +$ $2h^2\alpha^2\phi\chi - deg\beta\phi\chi + 2ceh\beta\phi\chi + agh\beta\phi\chi - gh\alpha\beta\phi\chi - bde\gamma\phi\chi + 2adf\gamma\phi\chi + abh\gamma\phi\chi - 2df\alpha\gamma\phi\chi - bh\alpha\gamma\phi\chi + bh\alpha\gamma\gamma + bh\alpha$ $de\beta\gamma\phi\chi - ah\beta\gamma\phi\chi + h\alpha\beta\gamma\phi\chi - 2de^2\delta\phi\chi - beg\delta\phi\chi + 2afg\delta\phi\chi - aeh\delta\phi\chi - 2fg\alpha\delta\phi\chi + eh\alpha\delta\phi\chi + eg\beta\delta\phi\chi + eh\alpha\delta\phi\chi + eg\beta\delta\phi\chi + eh\alpha\delta\phi\chi + eg\beta\delta\phi\chi + eh\alpha\delta\phi\chi + eh\alpha\phi\chi + eh\phi\chi + eh\phi\chi + eh\phi\chi + eh\phi\chi + eh\phi\chi + eh\phi\chi$ $be\gamma\delta\phi\chi - 2af\gamma\delta\phi\chi + 2f\alpha\gamma\delta\phi\chi - e\beta\gamma\delta\phi\chi + e^2\delta^2\phi\chi - 2d^2e\epsilon\phi\chi - bdg\epsilon\phi\chi + 2bch\epsilon\phi\chi - adh\epsilon\phi\chi + dh\alpha\epsilon\phi\chi + dh\alpha\phi\chi + dh\alpha\chi +$ $dg\beta\epsilon\phi\chi - 2ch\beta\epsilon\phi\chi + bd\gamma\epsilon\phi\chi - d\beta\gamma\epsilon\phi\chi + 4de\delta\epsilon\phi\chi + bg\delta\epsilon\phi\chi + ah\delta\epsilon\phi\chi - h\alpha\delta\epsilon\phi\chi - g\beta\delta\epsilon\phi\chi - b\gamma\delta\epsilon\phi\chi + \beta\gamma\delta\epsilon\phi\chi - b\gamma\delta\epsilon\phi\chi + b\gamma\delta\epsilon\phi\chi +$ $2e\delta^{2}\epsilon\phi\chi+d^{2}\epsilon^{2}\phi\chi-2d\delta\epsilon^{2}\phi\chi+\delta^{2}\epsilon^{2}\phi\chi+2bce\eta\phi\chi-ade\eta\phi\chi-4acf\eta\phi\chi+abg\eta\phi\chi+4a^{2}h\eta\phi\chi+de\alpha\eta\phi+de\alpha\eta\phi\chi+de\alpha\eta\phi\chi+de\alpha\eta\phi\chi+de\alpha\eta\phi\chi+de\alpha$ $\alpha\beta\gamma\eta\phi\chi + ae\delta\eta\phi\chi - e\alpha\delta\eta\phi\chi - 2bc\epsilon\eta\phi\chi + ad\epsilon\eta\phi\chi - d\alpha\epsilon\eta\phi\chi + 2c\beta\epsilon\eta\phi\chi - a\delta\epsilon\eta\phi\chi + \alpha\delta\epsilon\eta\phi\chi - 2a^2\eta^2\phi\chi +$ $4a\alpha\eta^2\phi\chi-2\alpha^2\eta^2\phi\chi+adg\phi^2\chi-2ach\phi^2\chi-dg\alpha\phi^2\chi+2ch\alpha\phi^2\chi-ad\gamma\phi^2\chi+d\alpha\gamma\phi^2\chi-ag\delta\phi^2\chi+g\alpha\delta\phi^2\chi+ag\phi^2\chi$ $a\gamma\delta\phi^2\chi - \alpha\gamma\delta\phi^2\chi + 2ac\eta\phi^2\chi - 2c\alpha\eta\phi^2\chi - de^2g\chi^2 + 3ce^2h\chi^2 - befh\chi^2 + af^2h\chi^2 - 2aegh\chi^2 - f^2h\alpha\chi^2 + af^2h\chi^2 - befh\chi^2 + befh\chi^2 - befh\chi^2 + befh\chi^2 - befh\chi^2$

 $\begin{aligned} 2egh\alpha\chi^2 + efh\beta\chi^2 + de^2\gamma\chi^2 + 2aeh\gamma\chi^2 - 2eh\alpha\gamma\chi^2 + e^2g\delta\chi^2 - e^2\gamma\delta\chi^2 + 2deg\epsilon\chi^2 - 6ceh\epsilon\chi^2 + bfh\epsilon\chi^2 + \\ 2agh\epsilon\chi^2 - 2gh\alpha\epsilon\chi^2 - fh\beta\epsilon\chi^2 - 2de\gamma\epsilon\chi^2 - 2ah\gamma\epsilon\chi^2 + 2h\alpha\gamma\epsilon\chi^2 - 2eg\delta\epsilon\chi^2 + 2e\gamma\delta\epsilon\chi^2 - dg\epsilon^2\chi^2 + 3ch\epsilon^2\chi^2 + \\ d\gamma\epsilon^2\chi^2 + g\delta\epsilon^2\chi^2 - \gamma\delta\epsilon^2\chi^2 - 3ce^2\eta\chi^2 + bef\eta\chi^2 - af^2\eta\chi^2 + 2aeg\eta\chi^2 + f^2\alpha\eta\chi^2 - 2eg\alpha\eta\chi^2 - ef\beta\eta\chi^2 - 2ae\gamma\eta\chi^2 + \\ 2e\alpha\gamma\eta\chi^2 + 6ce\epsilon\eta\chi^2 - bf\epsilon\eta\chi^2 - 2ag\epsilon\eta\chi^2 + 2g\alpha\epsilon\eta\chi^2 + f\beta\epsilon\eta\chi^2 + 2a\gamma\epsilon\eta\chi^2 - 2\alpha\gamma\epsilon\eta\chi^2 - 3c\epsilon^2\eta\chi^2 + beh\phi\chi^2 - \\ 2afh\phi\chi^2 + 2fh\alpha\phi\chi^2 - eh\beta\phi\chi^2 - bh\epsilon\phi\chi^2 + h\beta\epsilon\phi\chi^2 - be\eta\phi\chi^2 + 2af\eta\phi\chi^2 - 2f\alpha\eta\phi\chi^2 + e\beta\eta\phi\chi^2 + b\epsilon\eta\phi\chi^2 - \\ \beta\epsilon\eta\phi\chi^2 + ah\phi^2\chi^2 - h\alpha\phi^2\chi^2 - a\eta\phi^2\chi^2 + \alpha\eta\phi^2\chi^2 - e^2h\chi^3 + 2eh\epsilon\chi^3 - h\epsilon^2\chi^3 + e^2\eta\chi^3 - 2e\epsilon\eta\chi^3 + \epsilon^2\eta\chi^3 = 0 \end{aligned}$

The End