The equations below are generated using Zernike.getEquationString method.

1 Height (Z)

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Z_0^0 = 1[1]
Z_1^{-1} = 2[Y^1]
Z_1^1 = 2[X^1]
Z_2^{-2} = \sqrt{6}[2X^1Y^1]
Z_2^0 = \sqrt{3}[2X^2 + 2Y^2 - 1]
Z_2^2 = \sqrt{6}[X^2 - Y^2]
Z_3^{-3} = \sqrt{8}[3X^2Y^1 - Y^3]
Z_3^{-1} = \sqrt{8}[3X^2Y^1 + 3Y^3 - 2Y^1]
Z_3^1 = \sqrt{8}[3X^3 + 3X^1Y^2 - 2X^1]
Z_3^3 = \sqrt{8}[X^3 - 3X^1Y^2]
Z_4^{-4} = \sqrt{10}[4X^3Y^1 - 4X^1Y^3]
Z_4^{-2} = \sqrt{10}[8X^3Y^1 + 8X^1Y^3 - 6X^1Y^1]
Z_4^0 = \sqrt{5}[6X^4 + 12X^2Y^2 + 6Y^4 - 6X^2 - 6Y^2 + 1]
Z_4^2 = \sqrt{10}[4X^4 - 4Y^4 - 3X^2 + 3Y^2]
Z_4^4 = \sqrt{10}[X^4 - 6X^2Y^2 + Y^4]
Z_5^{-5} = \sqrt{12}[5X^4Y^1 - 10X^2Y^3 + Y^5]
Z_5^{-3} = \sqrt{12}[15X^4Y^1 + 10X^2Y^3 - 5Y^5 - 12X^2Y^1 + 4Y^3]
Z_5^{-1} = \sqrt{12} \left[ 10X^4Y^1 + 20X^2Y^3 + 10Y^5 - 12X^2Y^1 - 12Y^3 + 3Y^1 \right]
Z_5^1 = \sqrt{12}[10X^5 + 20X^3Y^2 + 10X^1Y^4 - 12X^3 - 12X^1Y^2 + 3X^1]
Z_5^3 = \sqrt{12}[5X^5 - 10X^3Y^2 - 15X^1Y^4 - 4X^3 + 12X^1Y^2]
Z_5^5 = \sqrt{12}[X^5 - 10X^3Y^2 + 5X^1Y^4]
Z_6^{-6} = \sqrt{14}[6X^5Y^1 - 20X^3Y^3 + 6X^1Y^5]
Z_6^{-4} = \sqrt{14}[24X^5Y^1 - 24X^1Y^5 - 20X^3Y^1 + 20X^1Y^3]
Z_6^{-2} = \sqrt{14}[30X^5Y^1 + 60X^3Y^3 + 30X^1Y^5 - 40X^3Y^1 - 40X^1Y^3 + 12X^1Y^1]
Z_6^0 = \sqrt{7}[20X^6 + 60X^4Y^2 + 60X^2Y^4 + 20Y^6 - 30X^4 - 60X^2Y^2 - 30Y^4 + 12X^2 + 12Y^2 - 1]
Z_6^2 = \sqrt{14}[15X^6 + 15X^4Y^2 - 15X^2Y^4 - 15Y^6 - 20X^4 + 20Y^4 + 6X^2 - 6Y^2]
Z_6^4 = \sqrt{14}[6X^6 - 30X^4Y^2 - 30X^2Y^4 + 6Y^6 - 5X^4 + 30X^2Y^2 - 5Y^4]
Z_6^6 = \sqrt{14}[X^6 - 15X^4Y^2 + 15X^2Y^4 - Y^6]
Z_7^{-7} = 4[7X^6Y^1 - 35X^4Y^3 + 21X^2Y^5 - Y^7]
Z_7^{-5} = 4[35X^6Y^1 - 35X^4Y^3 - 63X^2Y^5 + 7Y^7 - 30X^4Y^1 + 60X^2Y^3 - 6Y^5]
Z_7^{-3} = 4[63X^6Y^1 + 105X^4Y^3 + 21X^2Y^5 - 21Y^7 - 90X^4Y^1 - 60X^2Y^3 + 30Y^5 + 30X^2Y^1 - 10Y^3]
Z_7^{-1} = 4[35X^6Y^1 + 105X^4Y^3 + 105X^2Y^5 + 35Y^7 - 60X^4Y^1 - 120X^2Y^3 - 60Y^5 + 30X^2Y^1 + 30Y^3 - 4Y^1]
Z_7^1 = 4[35X^7 + 105X^5Y^2 + 105X^3Y^4 + 35X^1Y^6 - 60X^5 - 120X^3Y^2 - 60X^1Y^4 + 30X^3 + 30X^1Y^2 - 4X^1]
Z_7^3 = 4[21X^7 - 21X^5Y^2 - 105X^3Y^4 - 63X^1Y^6 - 30X^5 + 60X^3Y^2 + 90X^1Y^4 + 10X^3 - 30X^1Y^2]
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Z_7^5 = 4[7X^7 - 63X^5Y^2 - 35X^3Y^4 + 35X^1Y^6 - 6X^5 + 60X^3Y^2 - 30X^1Y^4]
Z_7^7 = 4[X^7 - 21X^5Y^2 + 35X^3Y^4 - 7X^1Y^6]
Z_8^{-8} = \sqrt{18}[8X^7Y^1 - 56X^5Y^3 + 56X^3Y^5 - 8X^1Y^7]
Z_{s}^{-6} = \sqrt{18}[48X^{7}Y^{1} - 112X^{5}Y^{3} - 112X^{3}Y^{5} + 48X^{1}Y^{7} - 42X^{5}Y^{1} + 140X^{3}Y^{3} - 42X^{1}Y^{5}]
Z_8^{-4} = \sqrt{18}[112X^7Y^1 + 112X^5Y^3 - 112X^3Y^5 - 112X^1Y^7 - 168X^5Y^1 + 168X^1Y^5 + 60X^3Y^1 - 60X^1Y^3]
Z_8^{-2} = \sqrt{18} [112X^7Y^1 + 336X^5Y^3 + 336X^3Y^5 + 112X^1Y^7 - 210X^5Y^1 - 420X^3Y^3 - 210X^1Y^5 + 120X^3Y^1 + 120X^1Y^3 - 20X^1Y^1]
Z_8^0 = 3[70X^8 + 280X^6Y^2 + 420X^4Y^4 + 280X^2Y^6 + 70Y^8 - 140X^6 - 420X^4Y^2 - 420X^2Y^4 - 140Y^6 + 90X^4 + 180X^2Y^2 + 90Y^4 - 20X^2 - 20Y^2 + 1]
Z_8^2 = \sqrt{18}[56X^8 + 112X^6Y^2 - 112X^2Y^6 - 56Y^8 - 105X^6 - 105X^4Y^2 + 105X^2Y^4 + 105Y^6 + 60X^4 - 60Y^4 - 10X^2 + 10Y^2]
Z_8^4 = \sqrt{18}[28X^8 - 112X^6Y^2 - 280X^4Y^4 - 112X^2Y^6 + 28Y^8 - 42X^6 + 210X^4Y^2 + 210X^2Y^4 - 42Y^6 + 15X^4 - 90X^2Y^2 + 15Y^4]
Z_8^6 = \sqrt{18}[8X^8 - 112X^6Y^2 + 112X^2Y^6 - 8Y^8 - 7X^6 + 105X^4Y^2 - 105X^2Y^4 + 7Y^6]
Z_8^8 = \sqrt{18}[X^8 - 28X^6Y^2 + 70X^4Y^4 - 28X^2Y^6 + Y^8]
Z_9^{-9} = \sqrt{20}[9X^8Y^1 - 84X^6Y^3 + 126X^4Y^5 - 36X^2Y^7 + Y^9]
Z_9^{-7} = \sqrt{20}[63X^8Y^1 - 252X^6Y^3 - 126X^4Y^5 + 180X^2Y^7 - 9Y^9 - 56X^6Y^1 + 280X^4Y^3 - 168X^2Y^5 + 8Y^7]
Z_9^{-5} = \sqrt{20} \left[ 180X^8Y^1 - 504X^4Y^5 - 288X^2Y^7 + 36Y^9 - 280X^6Y^1 + 280X^4Y^3 + 504X^2Y^5 - 56Y^7 + 105X^4Y^1 - 210X^2Y^3 + 21Y^5 \right]
Z_{q}^{-3} = \sqrt{20}[252X^{8}Y^{1} + 672X^{6}Y^{3} + 504X^{4}Y^{5} - 84Y^{9} - 504X^{6}Y^{1} - 840X^{4}Y^{3} - 168X^{2}Y^{5} + 168Y^{7} + 315X^{4}Y^{1} + 210X^{2}Y^{3} - 105Y^{5} - 60X^{2}Y^{1} + 20Y^{3}]
Z_0^{-1} = \sqrt{20}[126X^8Y^1 + 504X^6Y^3 + 756X^4Y^5 + 504X^2Y^7 + 126Y^9 - 280X^6Y^1 - 840X^4Y^3 - 840X^2Y^5 - 280Y^7 + 210X^4Y^1 + 420X^2Y^3 + 210Y^5 - 60X^2Y^1 - 60Y^3 + 5Y^1]
Z_9^1 = \sqrt{20}[126X^9 + 504X^7Y^2 + 756X^5Y^4 + 504X^3Y^6 + 126X^1Y^8 - 280X^7 - 840X^5Y^2 - 840X^3Y^4 - 280X^1Y^6 + 210X^5 + 420X^3Y^2 + 210X^1Y^4 - 60X^3 - 60X^1Y^2 + 5X^1]
Z_9^3 = \sqrt{20}[84X^9 - 504X^5Y^4 - 672X^3Y^6 - 252X^1Y^8 - 168X^7 + 168X^5Y^2 + 840X^3Y^4 + 504X^1Y^6 + 105X^5 - 210X^3Y^2 - 315X^1Y^4 - 20X^3 + 60X^1Y^2]
Z_9^5 = \sqrt{20}[36X^9 - 288X^7Y^2 - 504X^5Y^4 + 180X^1Y^8 - 56X^7 + 504X^5Y^2 + 280X^3Y^4 - 280X^1Y^6 + 21X^5 - 210X^3Y^2 + 105X^1Y^4]
Z_9^7 = \sqrt{20}[9X^9 - 180X^7Y^2 + 126X^5Y^4 + 252X^3Y^6 - 63X^1Y^8 - 8X^7 + 168X^5Y^2 - 280X^3Y^4 + 56X^1Y^6]
Z_0^9 = \sqrt{20}[X^9 - 36X^7Y^2 + 126X^5Y^4 - 84X^3Y^6 + 9X^1Y^8]
Z_{10}^{-10} = \sqrt{22}[10X^9Y^1 - 120X^7Y^3 + 252X^5Y^5 - 120X^3Y^7 + 10X^1Y^9]
Z_{10}^{-8} = \sqrt{22} [80X^9Y^1 - 480X^7Y^3 + 480X^3Y^7 - 80X^1Y^9 - 72X^7Y^1 + 504X^5Y^3 - 504X^3Y^5 + 72X^1Y^7]
Z_{10}^{-6} = \sqrt{22}[270X^9Y^1 - 360X^7Y^3 - 1260X^5Y^5 - 360X^3Y^7 + 270X^1Y^9 - 432X^7Y^1 + 1008X^5Y^3 + 1008X^3Y^5 - 432X^1Y^7 + 168X^5Y^1 - 560X^3Y^3 + 168X^1Y^5]
Z_{10}^{-4} = \sqrt{22} [480X^9Y^1 + 960X^7Y^3 - 960X^3Y^7 - 480X^1Y^9 - 1008X^7Y^1 - 1008X^5Y^3 + 1008X^3Y^5 + 1008X^1Y^7 + 672X^5Y^1 - 672X^1Y^5 - 140X^3Y^1 + 140X^1Y^3]
Z_{10}^{-2} = \sqrt{22} [420X^9Y^1 + 1680X^7Y^3 + 2520X^5Y^5 + 1680X^3Y^7 + 420X^1Y^9 - 1008X^7Y^1 - 3024X^5Y^3 - 3024X^3Y^5 - 1008X^1Y^7 + 840X^5Y^1 + 1680X^3Y^3 + 840X^1Y^5 - 280X^3Y^1 - 1008X^3Y^3 + 
280X^{1}Y^{3} + 30X^{1}Y^{1}
Z_{10}^0 = \sqrt{11}[252X^{10} + 1260X^8Y^2 + 2520X^6Y^4 + 2520X^4Y^6 + 1260X^2Y^8 + 252Y^{10} - 630X^8 - 2520X^6Y^2 - 3780X^4Y^4 - 2520X^2Y^6 - 630Y^8 + 560X^6 + 1680X^4Y^2 + 1680X^2Y^4 + 
560Y^6 - 210X^4 - 420X^2Y^2 - 210Y^4 + 30X^2 + 30Y^2 - 1
Z_{10}^2 = \sqrt{22} [210X^{10} + 630X^8Y^2 + 420X^6Y^4 - 420X^4Y^6 - 630X^2Y^8 - 210Y^{10} - 504X^8 - 1008X^6Y^2 + 1008X^2Y^6 + 504Y^8 + 420X^6 + 420X^4Y^2 - 420X^2Y^4 - 420Y^6 - 140X^4 + 100X^4Y^2 - 100X^4Y^2 - 100X^4Y^4 -
140Y^4 + 15X^2 - 15Y^2
Z_{10}^4 = \sqrt{22}[120X^{10} - 360X^8Y^2 - 1680X^6Y^4 - 1680X^4Y^6 - 360X^2Y^8 + 120Y^{10} - 252X^8 + 1008X^6Y^2 + 2520X^4Y^4 + 1008X^2Y^6 - 252Y^8 + 168X^6 - 840X^4Y^2 - 840X^2Y^4 + 1008X^2Y^6 - 252Y^8 + 168X^6Y^2 - 1680X^6Y^4 - 1680X^4Y^6 - 360X^4Y^6 - 360
168Y^6 - 35X^4 + 210X^2Y^2 - 35Y^4
Z_{10}^6 = \sqrt{22} [45X^{10} - 585X^8Y^2 - 630X^6Y^4 + 630X^4Y^6 + 585X^2Y^8 - 45Y^{10} - 72X^8 + 1008X^6Y^2 - 1008X^2Y^6 + 72Y^8 + 28X^6 - 420X^4Y^2 + 420X^2Y^4 - 28Y^6]
Z_{10}^{8} = \sqrt{22}[10X^{10} - 270X^{8}Y^{2} + 420X^{6}Y^{4} + 420X^{4}Y^{6} - 270X^{2}Y^{8} + 10Y^{10} - 9X^{8} + 252X^{6}Y^{2} - 630X^{4}Y^{4} + 252X^{2}Y^{6} - 9Y^{8}]
Z_{10}^{10} = \sqrt{22}[X^{10} - 45X^8Y^2 + 210X^6Y^4 - 210X^4Y^6 + 45X^2Y^8 - Y^{10}]
Z_{11}^{-11} = \sqrt{24} \left[ 11X^{10}Y^1 - 165X^8Y^3 + 462X^6Y^5 - 330X^4Y^7 + 55X^2Y^9 - Y^{11} \right]
Z_{11}^{-9} = \sqrt{24} \left[ 99X^{10}Y^1 - 825X^8Y^3 + 462X^6Y^5 + 990X^4Y^7 - 385X^2Y^9 + 11Y^{11} - 90X^8Y^1 + 840X^6Y^3 - 1260X^4Y^5 + 360X^2Y^7 - 10Y^9 \right]
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Z_{11}^{-7} = \sqrt{24} [385X^{10}Y^1 - 1155X^8Y^3 - 2310X^6Y^5 + 330X^4Y^7 + 1045X^2Y^9 - 55Y^{11} - 630X^8Y^1 + 2520X^6Y^3 + 1260X^4Y^5 - 1800X^2Y^7 + 90Y^9 + 252X^6Y^1 - 1260X^4Y^3 + 1260X^4Y^3 + 1260X^4Y^5 - 1800X^2Y^7 + 1260X^4Y^7 + 126
 756X^2Y^5 - 36Y^7
  Z_{11}^{-5} = \sqrt{24} [825X^{10}Y^1 + 825X^8Y^3 - 2310X^6Y^5 - 3630X^4Y^7 - 1155X^2Y^9 + 165Y^{11} - 1800X^8Y^1 + 5040X^4Y^5 + 2880X^2Y^7 - 360Y^9 + 1260X^6Y^1 - 1260X^4Y^3 - 2268X^2Y^5 + 2880X^2Y^7 - 360Y^9 + 1260X^6Y^7 - 126
  252Y^7 - 280X^4Y^1 + 560X^2Y^3 - 56Y^5
 Z_{-3}^{-3} = \sqrt{24} [990X^{10}Y^1 + 3630X^8Y^3 + 4620X^6Y^5 + 1980X^4Y^7 - 330X^2Y^9 - 330Y^{11} - 2520X^8Y^1 - 6720X^6Y^3 - 5040X^4Y^5 + 840Y^9 + 2268X^6Y^1 + 3780X^4Y^3 + 756X^2Y^5 - 1280X^6Y^3 - 
  756Y^7 - 840X^4Y^1 - 560X^2Y^3 + 280Y^5 + 105X^2Y^1 - 35Y^3
 Z_{11}^{-1} = \sqrt{24} [462X^{10}Y^1 + 2310X^8Y^3 + 4620X^6Y^5 + 4620X^4Y^7 + 2310X^2Y^9 + 462Y^{11} - 1260X^8Y^1 - 5040X^6Y^3 - 7560X^4Y^5 - 5040X^2Y^7 - 1260Y^9 + 1260X^6Y^1 + 3780X^4Y^3 + 1260X^6Y^3 - 1260Y^9 + 1260Y^9
 3780X^2Y^5 + 1260Y^7 - 560X^4Y^1 - 1120X^2Y^3 - 560Y^5 + 105X^2Y^1 + 105Y^3 - 6Y^1]
  Z_{11}^{1} = \sqrt{24} \left[ 462X^{11} + 2310X^{9}Y^{2} + 4620X^{7}Y^{4} + 4620X^{5}Y^{6} + 2310X^{3}Y^{8} + 462X^{1}Y^{10} - 1260X^{9} - 5040X^{7}Y^{2} - 7560X^{5}Y^{4} - 5040X^{3}Y^{6} - 1260X^{1}Y^{8} + 1260X^{7} + 3780X^{5}Y^{2} + 1260X^{7}Y^{2} + 1260X^{7}Y^{2}
 3780X^3Y^4 + 1260X^1Y^6 - 560X^5 - 1120X^3Y^2 - 560X^1Y^4 + 105X^3 + 105X^1Y^2 - 6X^1]
  Z_{11}^{3} = \sqrt{24} [330X^{11} + 330X^{9}Y^{2} - 1980X^{7}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{4} + 6720X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{4} + 6720X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{4} + 6720X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{4} + 6720X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{4} + 6720X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{4} - 4620X^{5}Y^{6} - 3630X^{3}Y^{8} - 990X^{1}Y^{10} - 840X^{9} + 5040X^{5}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{5}Y^{2} - 3780X^{3}Y^{6} + 2520X^{1}Y^{8} + 756X^{7} - 756X^{7}Y^{6} - 756X^{7}Y^{6} + 756X^{7} - 756X^{7}Y^{6} + 756X^{7}Y^{7} - 756X^{7
 2268X^{1}Y^{6} - 280X^{5} + 560X^{3}Y^{2} + 840X^{1}Y^{4} + 35X^{3} - 105X^{1}Y^{2}
  Z_{11}^{5} = \sqrt{24} [165X^{11} - 1155X^{9}Y^{2} - 3630X^{7}Y^{4} - 2310X^{5}Y^{6} + 825X^{3}Y^{8} + 825X^{1}Y^{10} - 360X^{9} + 2880X^{7}Y^{2} + 5040X^{5}Y^{4} - 1800X^{1}Y^{8} + 252X^{7} - 2268X^{5}Y^{2} - 1260X^{3}Y^{4} + 282X^{7}Y^{2} + 1260X^{2}Y^{2} + 126
 1260X^{1}Y^{6} - 56X^{5} + 560X^{3}Y^{2} - 280X^{1}Y^{4}
  Z_{11}^7 = \sqrt{24} [55X^{11} - 1045X^9Y^2 - 330X^7Y^4 + 2310X^5Y^6 + 1155X^3Y^8 - 385X^1Y^{10} - 90X^9 + 1800X^7Y^2 - 1260X^5Y^4 - 2520X^3Y^6 + 630X^1Y^8 + 36X^7 - 756X^5Y^2 + 1260X^3Y^4 - 2520X^3Y^6 + 1260X^3Y^4 - 1260X^3Y^4 
252X^{1}Y^{6}
 Z_{11}^9 = \sqrt{24}[11X^{11} - 385X^9Y^2 + 990X^7Y^4 + 462X^5Y^6 - 825X^3Y^8 + 99X^1Y^{10} - 10X^9 + 360X^7Y^2 - 1260X^5Y^4 + 840X^3Y^6 - 90X^1Y^8]
  Z_{11}^{11} = \sqrt{24}[X^{11} - 55X^{9}Y^{2} + 330X^{7}Y^{4} - 462X^{5}Y^{6} + 165X^{3}Y^{8} - 11X^{1}Y^{10}]
 Z_{12}^{-12} = \sqrt{26} \left[ 12X^{11}Y^1 - 220X^9Y^3 + 792X^7Y^5 - 792X^5Y^7 + 220X^3Y^9 - 12X^1Y^{11} \right]
 Z_{12}^{-10} = \sqrt{26}[120X^{11}Y^1 - 1320X^9Y^3 + 1584X^7Y^5 + 1584X^5Y^7 - 1320X^3Y^9 + 120X^1Y^{11} - 110X^9Y^1 + 1320X^7Y^3 - 2772X^5Y^5 + 1320X^3Y^7 - 110X^1Y^9]
 Z_{12}^{-8} = \sqrt{26} [528X^{11}Y^1 - 2640X^9Y^3 - 3168X^7Y^5 + 3168X^5Y^7 + 2640X^3Y^9 - 528X^1Y^{11} - 880X^9Y^1 + 5280X^7Y^3 - 5280X^3Y^7 + 880X^1Y^9 + 360X^7Y^1 - 2520X^5Y^3 + 2520X^3Y^5 - 2640X^3Y^3 - 2640X^3
  360X^{1}Y^{7}
 Z_{12}^{-6} = \sqrt{26}[1320X^{11}Y^1 - 440X^9Y^3 - 7920X^7Y^5 - 7920X^5Y^7 - 440X^3Y^9 + 1320X^1Y^{11} - 2970X^9Y^1 + 3960X^7Y^3 + 13860X^5Y^5 + 3960X^3Y^7 - 2970X^1Y^9 + 2160X^7Y^1 - 2970X^1Y^9 + 2160X^7Y^1 - 2970X^1Y^9 + 2160X^1Y^1 - 2970X^1Y^1 - 2970
 5040X^5Y^3 - 5040X^3Y^5 + 2160X^1Y^7 - 504X^5Y^1 + 1680X^3Y^3 - 504X^1Y^5
  Z_{12}^{-4} = \sqrt{26} [1980X^{11}Y^1 + 5940X^9Y^3 + 3960X^7Y^5 - 3960X^5Y^7 - 5940X^3Y^9 - 1980X^1Y^{11} - 5280X^9Y^1 - 10560X^7Y^3 + 10560X^3Y^7 + 5280X^1Y^9 + 5040X^7Y^1 + 5040X^5Y^3 - 1040X^5Y^3 + 
 5040X^{3}Y^{5} - 5040X^{1}Y^{7} - 2016X^{5}Y^{1} + 2016X^{1}Y^{5} + 280X^{3}Y^{1} - 280X^{1}Y^{3}
  Z_{12}^{-2} = \sqrt{26} [1584X^{11}Y^{1} + 7920X^{9}Y^{3} + 15840X^{7}Y^{5} + 15840X^{5}Y^{7} + 7920X^{3}Y^{9} + 1584X^{1}Y^{11} - 4620X^{9}Y^{1} - 18480X^{7}Y^{3} - 27720X^{5}Y^{5} - 18480X^{3}Y^{7} - 4620X^{1}Y^{9} + 5040X^{7}Y^{1} + 1240X^{1}Y^{1} + 1240X^{1}Y
15\overline{120}X^{5}Y^{3} + 15120X^{3}Y^{5} + 5040X^{1}Y^{7} - 2520X^{5}Y^{1} - 5040X^{3}Y^{3} - 2520X^{1}Y^{5} + 560X^{3}Y^{1} + 560X^{1}Y^{3} - 42X^{1}Y^{1}]
 Z_{12}^{0} = \sqrt{13} [924X^{12} + 5544X^{10}Y^2 + 13860X^8Y^4 + 18480X^6Y^6 + 13860X^4Y^8 + 5544X^2Y^{10} + 924Y^{12} - 2772X^{10} - 13860X^8Y^2 - 27720X^6Y^4 - 27720X^4Y^6 - 13860X^2Y^8 - 127720X^6Y^4 - 127720X^6Y^4 - 127720X^6Y^4 - 127720X^6Y^4 - 127720X^6Y^4 - 127720X^6Y^6 - 127720X^6 - 
 2772Y^{10} + 3150X^8 + 12600X^6Y^2 + 18900X^4Y^4 + 12600X^2Y^6 + 3150Y^8 - 1680X^6 - 5040X^4Y^2 - 5040X^2Y^4 - 1680Y^6 + 420X^4 + 840X^2Y^2 + 420Y^4 - 42X^2 - 42Y^2 + 1]
 Z_{12}^2 = \sqrt{26} [792X^{12} + 3168X^{10}Y^2 + 3960X^8Y^4 - 3960X^4Y^8 - 3168X^2Y^{10} - 792Y^{12} - 2310X^{10} - 6930X^8Y^2 - 4620X^6Y^4 + 4620X^4Y^6 + 6930X^2Y^8 + 2310Y^{10} + 2520X^8 + 2310Y^{10} + 2310Y^{10
 5040X^6Y^2 - 5040X^2Y^6 - 2520Y^8 - 1260X^6 - 1260X^4Y^2 + 1260X^2Y^4 + 1260Y^6 + 280X^4 - 280Y^4 - 21X^2 + 21Y^2 \\ [3mm]
  Z_{12}^4 = \sqrt{26} [495X^{12} - 990X^{10}Y^2 - 8415X^8Y^4 - 13860X^6Y^6 - 8415X^4Y^8 - 990X^2Y^{10} + 495Y^{12} - 1320X^{10} + 3960X^8Y^2 + 18480X^6Y^4 + 18480X^4Y^6 + 3960X^2Y^8 - 1320Y^{10} + 18480X^4Y^6 + 18480X^4 + 18480X^4 + 18480X^4 + 18480X^4 + 18480X^4 + 18480
1260X^8 - 5040X^6Y^2 - 12600X^4Y^4 - 5040X^2Y^6 + 1260Y^8 - 504X^6 + 2520X^4Y^2 + 2520X^2Y^4 - 504Y^6 + 70X^4 - 420X^2Y^2 + 70Y^4]
 Z_{12}^6 = \sqrt{26}[220X^{12} - 2640X^{10}Y^2 - 5940X^8Y^4 + 5940X^4Y^8 + 2640X^2Y^{10} - 220Y^{12} - 495X^{10} + 6435X^8Y^2 + 6930X^6Y^4 - 6930X^4Y^6 - 6435X^2Y^8 + 495Y^{10} + 360X^8 - 495X^6Y^4 - 6930X^6Y^4 - 6930X^6Y^4 - 6930X^6Y^4 - 6930X^6Y^6 - 6435X^6Y^6 - 643X^6Y^6 - 643X^6Y^6 - 643X^6Y^6 - 643X^6Y^6 - 643X^6Y^6 - 643X^6Y
 5040X^{6}Y^{2} + 5040X^{2}Y^{6} - 360Y^{8} - 84X^{6} + 1260X^{4}Y^{2} - 1260X^{2}Y^{4} + 84Y^{6}
  Z_{12}^{8} = \sqrt{26} [66X^{12} - 1716X^{10}Y^{2} + 990X^{8}Y^{4} + 5544X^{6}Y^{6} + 990X^{4}Y^{8} - 1716X^{2}Y^{10} + 66Y^{12} - 110X^{10} + 2970X^{8}Y^{2} - 4620X^{6}Y^{4} - 4620X^{4}Y^{6} + 2970X^{2}Y^{8} - 110Y^{10} + 45X^{8} - 110Y^{10} + 24X^{2}Y^{10} + 24X^{2}Y^{1
1260X^6Y^2 + 3150X^4Y^4 - 1260X^2Y^6 + 45Y^8
 Z_{12}^{10} = \sqrt{26}[12X^{12} - 528X^{10}Y^2 + 1980X^8Y^4 - 1980X^4Y^8 + 528X^2Y^{10} - 12Y^{12} - 11X^{10} + 495X^8Y^2 - 2310X^6Y^4 + 2310X^4Y^6 - 495X^2Y^8 + 11Y^{10}]
 Z_{12}^{12} = \sqrt{26}[X^{12} - 66X^{10}Y^2 + 495X^8Y^4 - 924X^6Y^6 + 495X^4Y^8 - 66X^2Y^{10} + Y^{12}]
  Z_{13}^{-13} = \sqrt{28} \left[ 13X^{12}Y^1 - 286X^{10}Y^3 + 1287X^8Y^5 - 1716X^6Y^7 + 715X^4Y^9 - 78X^2Y^{11} + Y^{13} \right]
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Z_{13}^{-11} = \sqrt{28} \left[143X^{12}Y^{1} - 2002X^{10}Y^{3} + 3861X^{8}Y^{5} + 1716X^{6}Y^{7} - 3575X^{4}Y^{9} + 702X^{2}Y^{11} - 13Y^{13} - 132X^{10}Y^{1} + 1980X^{8}Y^{3} - 5544X^{6}Y^{5} + 3960X^{4}Y^{7} - 660X^{2}Y^{9} + 12Y^{11}\right]
 Z_{13}^{-9} = \sqrt{28} [702X^{12}Y^1 - 5148X^{10}Y^3 - 2574X^8Y^5 + 10296X^6Y^7 + 4290X^4Y^9 - 2652X^2Y^{11} + 78Y^{13} - 1188X^{10}Y^1 + 9900X^8Y^3 - 5544X^6Y^5 - 11880X^4Y^7 + 4620X^2Y^9 - 11880X^4Y^7 + 4620X^2Y^9 - 11880X^4Y^7 + 10296X^6Y^7 + 10296X^6Y
132Y^{11} + 495X^8Y^1 - 4620X^6Y^3 + 6930X^4Y^5 - 1980X^2Y^7 + 55Y^9
 Z_{13}^{-7} = \sqrt{28} [2002X^{12}Y^{1} - 4004X^{10}Y^{3} - 18018X^{8}Y^{5} - 10296X^{6}Y^{7} + 7150X^{4}Y^{9} + 5148X^{2}Y^{11} - 286Y^{13} - 4620X^{10}Y^{1} + 13860X^{8}Y^{3} + 27720X^{6}Y^{5} - 3960X^{4}Y^{7} - 12540X^{2}Y^{9} + 12540X^{2}Y^{1} + 12540X^{2}Y^{1}
 660Y^{11} + 3465X^8Y^1 - 13860X^6Y^3 - 6930X^4Y^5 + 9900X^2Y^7 - 495Y^9 - 840X^6Y^1 + 4200X^4Y^3 - 2520X^2Y^5 + 120Y^7]
 Z_{13}^{-5} = \sqrt{28}[3575X^{12}Y^{1} + 7150X^{10}Y^{3} - 6435X^{8}Y^{5} - 25740X^{6}Y^{7} - 20735X^{4}Y^{9} - 4290X^{2}Y^{11} + 715Y^{13} - 9900X^{10}Y^{1} - 9900X^{8}Y^{3} + 27720X^{6}Y^{5} + 43560X^{4}Y^{7} + 13860X^{2}Y^{9} - 4290X^{2}Y^{11} + 715Y^{13} - 9900X^{10}Y^{1} - 9900
1980Y^{11} + 9900X^8Y^1 - 27720X^4Y^5 - 15840X^2Y^7 + 1980Y^9 - 4200X^6Y^1 + 4200X^4Y^3 + 7560X^2Y^5 - 840Y^7 + 630X^4Y^1 - 1260X^2Y^3 + 126Y^5 - 1200X^4Y^3 + 120X^4Y^3 + 1
 Z_{13}^{-3} = \sqrt{28}[3861X^{12}Y^{1} + 18018X^{10}Y^{3} + 32175X^{8}Y^{5} + 25740X^{6}Y^{7} + 6435X^{4}Y^{9} - 2574X^{2}Y^{11} - 1287Y^{13} - 11880X^{10}Y^{1} - 43560X^{8}Y^{3} - 55440X^{6}Y^{5} - 23760X^{4}Y^{7} + 3960X^{2}Y^{9} + 1287Y^{13} - 11880X^{10}Y^{1} - 43560X^{10}Y^{1} - 43560X^{10}Y^{
3960Y^{11} + 13860X^8Y^1 + 36960X^6Y^3 + 27720X^4Y^5 - 4620Y^9 - 7560X^6Y^1 - 12600X^4Y^3 - 2520X^2Y^5 + 2520Y^7 + 1890X^4Y^1 + 1260X^2Y^3 - 630Y^5 - 168X^2Y^1 + 56Y^3]
  Z_{12}^{-1} = \sqrt{28} [1716X^{12}Y^1 + 10296X^{10}Y^3 + 25740X^8Y^5 + 34320X^6Y^7 + 25740X^4Y^9 + 10296X^2Y^{11} + 1716Y^{13} - 5544X^{10}Y^1 - 27720X^8Y^3 - 55440X^6Y^5 - 55440X^4Y^7 - 27720X^8Y^3 - 55440X^6Y^5 - 55440X^6Y^7 - 27720X^8Y^3 
 27720X^{2}Y^{9} - 5544Y^{11} + 6930X^{8}Y^{1} + 27720X^{6}Y^{3} + 41580X^{4}Y^{5} + 27720X^{2}Y^{7} + 6930Y^{9} - 4200X^{6}Y^{1} - 12600X^{4}Y^{3} - 12600X^{2}Y^{5} - 4200Y^{7} + 1260X^{4}Y^{1} + 2520X^{2}Y^{3} + 1260X^{2}Y^{3} + 1260X^{2}Y^{
 1260Y^5 - 168X^2Y^1 - 168Y^3 + 7Y^1
  Z_{13}^{1} = \sqrt{28} [1716X^{13} + 10296X^{11}Y^{2} + 25740X^{9}Y^{4} + 34320X^{7}Y^{6} + 25740X^{5}Y^{8} + 10296X^{3}Y^{10} + 1716X^{1}Y^{12} - 5544X^{11} - 27720X^{9}Y^{2} - 55440X^{7}Y^{4} - 55440X^{5}Y^{6} - 27720X^{3}Y^{8} - 10296X^{11}Y^{2} + 25740X^{11}Y^{2} + 25740X^{11}
55\overline{544}X^{1}Y^{10} + 6930X^{9} + 27720X^{7}Y^{2} + 41580X^{5}Y^{4} + 27720X^{3}Y^{6} + 6930X^{1}Y^{8} - 4200X^{7} - 12600X^{5}Y^{2} - 12600X^{3}Y^{4} - 4200X^{1}Y^{6} + 1260X^{5} + 2520X^{3}Y^{2} + 1260X^{1}Y^{4} - 1260X^{1}Y^{4} + 1260X^{1}Y^{2} + 1260X^{1}
168X^3 - 168X^1Y^2 + 7X^1
 Z_{12}^3 = \sqrt{28} [1287X^{13} + 2574X^{11}Y^2 - 6435X^9Y^4 - 25740X^7Y^6 - 32175X^5Y^8 - 18018X^3Y^{10} - 3861X^1Y^{12} - 3960X^{11} - 3960X^9Y^2 + 23760X^7Y^4 + 55440X^5Y^6 + 43560X^3Y^8 + 18018X^3Y^{10} - 3861X^1Y^{12} - 3960X^1Y^2 + 23760X^2Y^4 + 55440X^5Y^6 + 43560X^3Y^8 + 18018X^3Y^{10} - 3861X^1Y^{12} - 3960X^1Y^2 + 23760X^2Y^4 + 55440X^5Y^6 + 43560X^3Y^8 + 18018X^3Y^{10} - 3861X^1Y^{12} - 3960X^1Y^4 + 18018X^3Y^{10} + 1
11880X^{1}Y^{10} + 4620X^{9} - 27720X^{5}Y^{4} - 36960X^{3}Y^{6} - 13860X^{1}Y^{8} - 2520X^{7} + 2520X^{5}Y^{2} + 12600X^{3}Y^{4} + 7560X^{1}Y^{6} + 630X^{5} - 1260X^{3}Y^{2} - 1890X^{1}Y^{4} - 56X^{3} + 168X^{1}Y^{2}]
  Z_{12}^5 = \sqrt{28} [715X^{13} - 4290X^{11}Y^2 - 20735X^9Y^4 - 25740X^7Y^6 - 6435X^5Y^8 + 7150X^3Y^{10} + 3575X^1Y^{12} - 1980X^{11} + 13860X^9Y^2 + 43560X^7Y^4 + 27720X^5Y^6 - 9900X^3Y^8 - 12720X^5Y^6 - 12720X^5Y
 9900X^{1}Y^{10} + 1980X^{9} - 15840X^{7}Y^{2} - 27720X^{5}Y^{4} + 9900X^{1}Y^{8} - 840X^{7} + 7560X^{5}Y^{2} + 4200X^{3}Y^{4} - 4200X^{1}Y^{6} + 126X^{5} - 1260X^{3}Y^{2} + 630X^{1}Y^{4}]
 Z_{12}^7 = \sqrt{28} \left[286X^{13} - 5148X^{11}Y^2 - 7150X^9Y^4 + 10296X^7Y^6 + 18018X^5Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3960X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^{12} - 660X^{11} + 12540X^9Y^2 + 3000X^7Y^4 - 27720X^5Y^6 - 13860X^3Y^8 + 4004X^3Y^{10} - 2002X^1Y^7 - 2
 4620X^{1}Y^{10} + 495X^{9} - 9900X^{7}Y^{2} + 6930X^{5}Y^{4} + 13860X^{3}Y^{6} - 3465X^{1}Y^{8} - 120X^{7} + 2520X^{5}Y^{2} - 4200X^{3}Y^{4} + 840X^{1}Y^{6}]
 Z_{13}^9 = \sqrt{28} [78X^{13} - 2652X^{11}Y^2 + 4290X^9Y^4 + 10296X^7Y^6 - 2574X^5Y^8 - 5148X^3Y^{10} + 702X^1Y^{12} - 132X^{11} + 4620X^9Y^2 - 11880X^7Y^4 - 5544X^5Y^6 + 9900X^3Y^8 - 1188X^1Y^{10} + 124X^2Y^2 - 1188X^2Y^2 - 118X^2Y^2 - 11X^2Y^2 - 
 55X^9 - 1980X^7Y^2 + 6930X^5Y^4 - 4620X^3Y^6 + 495X^1Y^8
 Z_{13}^{11} = \sqrt{28}[13X^{13} - 702X^{11}Y^2 + 3575X^9Y^4 - 1716X^7Y^6 - 3861X^5Y^8 + 2002X^3Y^{10} - 143X^1Y^{12} - 12X^{11} + 660X^9Y^2 - 3960X^7Y^4 + 5544X^5Y^6 - 1980X^3Y^8 + 132X^1Y^{10}]
  Z_{13}^{13} = \sqrt{28}[X^{13} - 78X^{11}Y^2 + 715X^9Y^4 - 1716X^7Y^6 + 1287X^5Y^8 - 286X^3Y^{10} + 13X^1Y^{12}]
 Z_{14}^{-14} = \sqrt{30} \left[ 14X^{13}Y^1 - 364X^{11}Y^3 + 2002X^9Y^5 - 3432X^7Y^7 + 2002X^5Y^9 - 364X^3Y^{11} + 14X^1Y^{13} \right]
 Z_{14}^{-12} = \sqrt{30}[168X^{13}Y^{1} - 2912X^{11}Y^{3} + 8008X^{9}Y^{5} - 8008X^{5}Y^{9} + 2912X^{3}Y^{11} - 168X^{1}Y^{13} - 156X^{11}Y^{1} + 2860X^{9}Y^{3} - 10296X^{7}Y^{5} + 10296X^{5}Y^{7} - 2860X^{3}Y^{9} + 156X^{1}Y^{11}]
 Z_{14}^{-10} = \sqrt{30} [910X^{13}Y^1 - 9100X^{11}Y^3 + 2002X^9Y^5 + 24024X^7Y^7 + 2002X^5Y^9 - 9100X^3Y^{11} + 910X^1Y^{13} - 1560X^{11}Y^1 + 17160X^9Y^3 - 20592X^7Y^5 - 20592X^5Y^7 + 17160X^3Y^9 - 1200X^3Y^{11} + 1200X^3Y
1560X^{1}Y^{11} + 660X^{9}Y^{1} - 7920X^{7}Y^{3} + 16632X^{5}Y^{5} - 7920X^{3}Y^{7} + 660X^{1}Y^{9}
 Z_{14}^{-8} = \sqrt{30} [2912X^{13}Y^1 - 11648X^{11}Y^3 - 32032X^9Y^5 + 32032X^5Y^9 + 11648X^3Y^{11} - 2912X^1Y^{13} - 6864X^{11}Y^1 + 34320X^9Y^3 + 41184X^7Y^5 - 41184X^5Y^7 - 34320X^3Y^9 + 11648X^3Y^{11} - 2912X^1Y^{13} - 6864X^{11}Y^1 + 34320X^9Y^3 + 41184X^7Y^5 - 41184X^5Y^7 - 34320X^3Y^9 + 11648X^3Y^{11} - 2912X^1Y^{13} - 6864X^{11}Y^1 + 34320X^9Y^3 + 41184X^7Y^5 - 41184X^5Y^7 - 34320X^3Y^9 + 11648X^3Y^{11} - 2912X^1Y^{13} - 6864X^{11}Y^1 + 34320X^9Y^3 + 41184X^7Y^5 - 41184X^7Y^7 - 34320X^7Y^9 + 11648X^7Y^7 - 34320X^7Y^7 - 34320X^7 - 34220X^7 - 
6864X^{1}Y^{11} + 5280X^{9}Y^{1} - 31680X^{7}Y^{3} + 31680X^{3}Y^{7} - 5280X^{1}Y^{9} - 1320X^{7}Y^{1} + 9240X^{5}Y^{3} - 9240X^{3}Y^{5} + 1320X^{1}Y^{7}]
 Z_{14}^{-6} = \sqrt{30} [6006X^{13}Y^{1} + 4004X^{11}Y^{3} - 38038X^{9}Y^{5} - 72072X^{7}Y^{7} - 38038X^{5}Y^{9} + 4004X^{3}Y^{11} + 6006X^{1}Y^{13} - 17160X^{11}Y^{1} + 5720X^{9}Y^{3} + 102960X^{7}Y^{5} + 102960X^{5}Y^{7} + 5720X^{3}Y^{9} - 102960X^{5}Y^{7} + 1
17\overline{160}X^{1}Y^{11} + 17820X^{9}Y^{1} - 23760X^{7}Y^{3} - 83160X^{5}Y^{5} - 23760X^{3}Y^{7} + 17820X^{1}Y^{9} - 7920X^{7}Y^{1} + 18480X^{5}Y^{3} + 18480X^{3}Y^{5} - 7920X^{1}Y^{7} + 1260X^{5}Y^{1} - 4200X^{3}Y^{3} + 1260X^{1}Y^{5} + 1260X^{1}
 Z_{14}^{-4} = \sqrt{30} [8008X^{13}Y^1 + 32032X^{11}Y^3 + 40040X^9Y^5 - 40040X^5Y^9 - 32032X^3Y^{11} - 8008X^1Y^{13} - 25740X^{11}Y^1 - 77220X^9Y^3 - 51480X^7Y^5 + 51480X^5Y^7 + 77220X^3Y^9 + 77220X^3
 25\overline{7}40X^{1}Y^{1\bar{1}} + 31680X^{9}Y^{1} + 63360X^{7}Y^{3} - 63360X^{3}Y^{7} - 31680X^{1}Y^{9} - 18480X^{7}Y^{1} - 18480X^{5}Y^{3} + 18480X^{3}Y^{5} + 18480X^{1}Y^{7} + 5040X^{5}Y^{1} - 5040X^{1}Y^{5} - 504X^{3}Y^{1} + 504X^{1}Y^{3} + 5
  Z_{14}^{-2} = \sqrt{30} [6006X^{13}Y^1 + 36036X^{11}Y^3 + 90090X^9Y^5 + 120120X^7Y^7 + 90090X^5Y^9 + 36036X^3Y^{11} + 6006X^1Y^{13} - 20592X^{11}Y^1 - 102960X^9Y^3 - 205920X^7Y^5 - 205920X^5Y^7 - 205920X^5Y^7 - 205920X^7Y^7 - 205920X^7 - 20500X^7 - 20500X^7 - 20500X
102960X^{3}Y^{9} - 20592X^{1}Y^{11} + 27720X^{9}Y^{1} + 110880X^{7}Y^{3} + 166320X^{5}Y^{5} + 110880X^{3}Y^{7} + 27720X^{1}Y^{9} - 18480X^{7}Y^{1} - 55440X^{5}Y^{3} - 55440X^{3}Y^{5} - 18480X^{1}Y^{7} + 6300X^{5}Y^{1} + 110880X^{1}Y^{7} + 
 12600X^{3}Y^{3} + 6300X^{1}Y^{5} - 1008X^{3}Y^{1} - 1008X^{1}Y^{3} + 56X^{1}Y^{1}
 Z_{14}^0 = \sqrt{15} [3432X^{14} + 24024X^{12}Y^2 + 72072X^{10}Y^4 + 120120X^8Y^6 + 120120X^6Y^8 + 72072X^4Y^{10} + 24024X^2Y^{12} + 3432Y^{14} - 12012X^{12} - 72072X^{10}Y^2 - 180180X^8Y^4 - 120120X^6Y^2 + 120120X^6Y^
 240240X^{6}Y^{6} - 180180X^{4}Y^{8} - 72072X^{2}Y^{10} - 12012Y^{12} + 16632X^{10} + 83160X^{8}Y^{2} + 166320X^{6}Y^{4} + 166320X^{4}Y^{6} + 83160X^{2}Y^{8} + 16632Y^{10} - 11550X^{8} - 46200X^{6}Y^{2} - 12012Y^{12} + 16632X^{10} + 12012Y^{12} + 16632X^{10} + 12012Y^{12} + 16632X^{10} + 12012Y^{10} + 12012Y
 69300X^{4}Y^{4} - 46200X^{2}Y^{6} - 11550Y^{8} + 4200X^{6} + 12600X^{4}Y^{2} + 12600X^{2}Y^{4} + 4200Y^{6} - 756X^{4} - 1512X^{2}Y^{2} - 756Y^{4} + 56X^{2} + 56Y^{2} - 1]
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Z_{14}^2 = \sqrt{30}[3003X^{14} + 15015X^{12}Y^2 + 27027X^{10}Y^4 + 15015X^8Y^6 - 15015X^6Y^8 - 27027X^4Y^{10} - 15015X^2Y^{12} - 3003Y^{14} - 10296X^{12} - 41184X^{10}Y^2 - 51480X^8Y^4 + 51480X^4Y^8 + 12015X^2Y^2 - 12015X^2 - 
   41184X^2Y^{10} + 10296Y^{12} + 13860X^{10} + 41580X^8Y^2 + 27720X^6Y^4 - 27720X^4Y^6 - 41580X^2Y^8 - 13860Y^{10} - 9240X^8 - 18480X^6Y^2 + 18480X^2Y^6 + 9240Y^8 + 3150X^6 + 3150X^4Y^2 - 1240X^2Y^2 + 1240X^2Y^2 +
   3150X^2Y^4 - 3150Y^6 - 504X^4 + 504Y^4 + 28X^2 - 28Y^2
 Z_{14}^4 = \sqrt{30} [2002X^{14} - 2002X^{12}Y^2 - 38038X^{10}Y^4 - 90090X^8Y^6 - 90090X^6Y^8 - 38038X^4Y^{10} - 2002X^2Y^{12} + 2002Y^{14} - 6435X^{12} + 12870X^{10}Y^2 + 109395X^8Y^4 + 180180X^6Y^6 + 12870X^{10}Y^2 + 12870X^{10}Y^2 + 109395X^8Y^4 + 180180X^6Y^6 + 12870X^{10}Y^2 + 12
109395X^{4}Y^{8} + 12870X^{2}Y^{10} - 6435Y^{12} + 7920X^{10} - 23760X^{8}Y^{2} - 110880X^{6}Y^{4} - 110880X^{4}Y^{6} - 23760X^{2}Y^{8} + 7920Y^{10} - 4620X^{8} + 18480X^{6}Y^{2} + 46200X^{4}Y^{4} + 18480X^{2}Y^{6} - 110880X^{6}Y^{4} - 110880X^{6}Y^{6} - 110
   4620Y^8 + 1260X^6 - 6300X^4Y^2 - 6300X^2Y^4 + 1260Y^6 - 126X^4 + 756X^2Y^2 - 126Y^4
   Z_{14}^6 = \sqrt{30} [1001X^{14} - 11011X^{12}Y^2 - 39039X^{10}Y^4 - 27027X^8Y^6 + 27027X^6Y^8 + 39039X^4Y^{10} + 11011X^2Y^{12} - 1001Y^{14} - 2860X^{12} + 34320X^{10}Y^2 + 77220X^8Y^4 - 77220X^4Y^8 - 1001Y^4 - 1001Y^
 34320X^{2}Y^{\dot{1}0} + 2860Y^{12} + 2970X^{10} - 38610X^{8}Y^{2} - 41580X^{6}Y^{4} + 41580X^{4}Y^{6} + 38610X^{2}Y^{8} - 2970Y^{10} - 1320X^{8} + 18480X^{6}Y^{2} - 18480X^{2}Y^{6} + 1320Y^{8} + 210X^{6} - 3150X^{4}Y^{2} + 120X^{6} + 120X^{6}
   3150X^2Y^4 - 210Y^6
 Z_{14}^{8} = \sqrt{30}[364X^{14} - 9100X^{12}Y^{2} - 4004X^{10}Y^{4} + 36036X^{8}Y^{6} + 36036X^{6}Y^{8} - 4004X^{4}Y^{10} - 9100X^{2}Y^{12} + 364Y^{14} - 858X^{12} + 22308X^{10}Y^{2} - 12870X^{8}Y^{4} - 72072X^{6}Y^{6} - 12870X^{8}Y^{4} - 72072X^{6}Y^{6} - 12870X^{8}Y^{4} - 72072X^{6}Y^{6} - 12870X^{8}Y^{4} - 72072X^{6}Y^{6} - 12870X^{8}Y^{6} - 12870X^{
12870X^{4}Y^{8} + 22308X^{2}Y^{10} - 858Y^{12} + 660X^{10} - 17820X^{8}Y^{2} + 27720X^{6}Y^{4} + 27720X^{4}Y^{6} - 17820X^{2}Y^{8} + 660Y^{10} - 165X^{8} + 4620X^{6}Y^{2} - 11550X^{4}Y^{4} + 4620X^{2}Y^{6} - 165Y^{8}]
 Z_{10}^{10} = \sqrt{30} [91X^{14} - 3913X^{12}Y^2 + 11011X^{10}Y^4 + 15015X^8Y^6 - 15015X^6Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 + 25740X^4Y^8 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 25740X^8Y^4 - 11011X^4Y^{10} + 3913X^2Y^{12} - 91Y^{14} - 156X^{12} + 6864X^{10}Y^2 - 11011X^{12} + 686
   6864X^2Y^{10} + 156Y^{12} + 66X^{10} - 2970X^8Y^2 + 13860X^6Y^4 - 13860X^4Y^6 + 2970X^2Y^8 - 66Y^{10}
 Z_{14}^{12} = \sqrt{30} [14X^{14} - 910X^{12}Y^2 + 6006X^{10}Y^4 - 6006X^8Y^6 - 6006X^6Y^8 + 6006X^4Y^{10} - 910X^2Y^{12} + 14Y^{14} - 13X^{12} + 858X^{10}Y^2 - 6435X^8Y^4 + 12012X^6Y^6 - 6435X^4Y^8 + 12012X^6Y^6 - 6435X^6Y^6 - 643X^6Y^6 - 643
   858X^2Y^{10} - 13Y^{12}
 Z_{14}^{14} = \sqrt{30}[X^{14} - 91X^{12}Y^2 + 1001X^{10}Y^4 - 3003X^8Y^6 + 3003X^6Y^8 - 1001X^4Y^{10} + 91X^2Y^{12} - Y^{14}]
 Z_{15}^{-15} = \sqrt{32} \left[ 15X^{14}Y^1 - 455X^{12}Y^3 + 3003X^{10}Y^5 - 6435X^8Y^7 + 5005X^6Y^9 - 1365X^4Y^{11} + 105X^2Y^{13} - Y^{15} \right]
 10010X^4Y^9 + 1092X^2Y^{11} - 14Y^{13}
   Z_{15}^{-11} = \sqrt{32}[1155X^{14}Y^{1} - 15015X^{12}Y^{3} + 15015X^{10}Y^{5} + 45045X^{8}Y^{7} - 15015X^{6}Y^{9} - 23205X^{4}Y^{11} + 5565X^{2}Y^{13} - 105Y^{15} - 2002X^{12}Y^{1} + 28028X^{10}Y^{3} - 54054X^{8}Y^{5} - 15015X^{10}Y^{5} + 45045X^{10}Y^{5} + 450
 24024X^{6}Y^{7} + 50050X^{4}Y^{9} - 9828X^{2}Y^{11} + 182Y^{13} + 858X^{10}Y^{1} - 12870X^{8}Y^{3} + 36036X^{6}Y^{5} - 25740X^{4}Y^{7} + 4290X^{2}Y^{9} - 78Y^{11}Y^{1} + 128Y^{10}Y^{1} + 128Y
 Z_{15}^{-9} = \sqrt{32} [4095X^{14}Y^{1} - 25935X^{12}Y^{3} - 45045X^{10}Y^{5} + 45045X^{8}Y^{7} + 85085X^{6}Y^{9} + 9555X^{4}Y^{11} - 15015X^{2}Y^{13} + 455Y^{15} - 9828X^{12}Y^{1} + 72072X^{10}Y^{3} + 36036X^{8}Y^{5} - 144144X^{6}Y^{7} - 14414X^{6}Y^{7} - 
60060X^4Y^9 + 37128X^2Y^{11} - 1092Y^{13} + 7722X^{10}Y^1 - 64350X^8Y^3 + 36036X^6Y^5 + 77220X^4Y^7 - 30030X^2Y^9 + 858Y^{11} - 1980X^8Y^1 + 18480X^6Y^3 - 27720X^4Y^5 + 7920X^2Y^7 - 220Y^9]
 Z_{17}^{-7} = \sqrt{32} [9555X^{14}Y^1 - 9555X^{12}Y^3 - 105105X^{10}Y^5 - 135135X^8Y^7 - 15015X^6Y^9 + 58695X^4Y^{11} + 23205X^2Y^{13} - 1365Y^{15} - 28028X^{12}Y^1 + 56056X^{10}Y^3 + 252252X^8Y^5 + 28028X^{12}Y^3 - 105105X^{10}Y^3 + 252252X^{10}Y^3 + 25225X^{10}Y^3 + 25225X^{10
144144X^{6}Y^{7} - 100100X^{4}Y^{9} - 72072X^{2}Y^{11} + 4004Y^{13} + 30030X^{10}Y^{1} - 90090X^{8}Y^{3} - 180180X^{6}Y^{5} + 25740X^{4}Y^{7} + 81510X^{2}Y^{9} - 4290Y^{11} - 13860X^{8}Y^{1} + 55440X^{6}Y^{3} + 1200X^{10}Y^{1} + 1200X^{10}Y^{1}
 27720X^4Y^5 - 39600X^2Y^7 + 1980Y^9 + 2310X^6Y^1 - 11550X^4Y^3 + 6930X^2Y^5 - 330Y^7]
   Z_{15}^{-5} = \sqrt{32} [15015X^{14}Y^1 + 45045X^{12}Y^3 + 3003X^{10}Y^5 - 135135X^8Y^7 - 195195X^6Y^9 - 105105X^4Y^{11} - 15015X^2Y^{13} + 3003Y^{15} - 50050X^{12}Y^1 - 100100X^{10}Y^3 + 90090X^8Y^5 + 10000X^2Y^2 - 10000X^2 
 360360X^{6}Y^{7} + 290290X^{4}Y^{9} + 60060X^{2}Y^{11} - 10010Y^{13} + 64350X^{10}Y^{1} + 64350X^{8}Y^{3} - 180180X^{6}Y^{5} - 283140X^{4}Y^{7} - 90090X^{2}Y^{9} + 12870Y^{11} - 39600X^{8}Y^{1} + 110880X^{4}Y^{5} + 12870Y^{11} - 39600X^{10}Y^{1} + 110880X^{10}Y^{1} + 110880X^{10}Y^{1
 63360X^2Y^7 - 7920Y^9 + 11550X^6Y^1 - 11550X^4Y^3 - 20790X^2Y^5 + 2310Y^7 - 1260X^4Y^1 + 2520X^2Y^3 - 252Y^5 
 Z_{r}^{-3} = \sqrt{32}[15015X^{14}Y^{1} + 85085X^{12}Y^{3} + 195195X^{10}Y^{5} + 225225X^{8}Y^{7} + 125125X^{6}Y^{9} + 15015X^{4}Y^{11} - 15015X^{2}Y^{13} - 5005Y^{15} - 54054X^{12}Y^{1} - 252252X^{10}Y^{3} - 450450X^{8}Y^{5} - 25252X^{10}Y^{3} - 450450X^{8}Y^{5} - 25252X^{10}Y^{3} - 25252X^{10}Y^{3
360360X^{6}Y^{7} - 90090X^{4}Y^{9} + 36036X^{2}Y^{11} + 18018Y^{13} + 77220X^{10}Y^{1} + 283140X^{8}Y^{3} + 360360X^{6}Y^{5} + 154440X^{4}Y^{7} - 25740X^{2}Y^{9} - 25740Y^{11} - 55440X^{8}Y^{1} - 147840X^{6}Y^{3} - 14784
110880X^4Y^5 + 18480Y^9 + 20790X^6Y^1 + 34650X^4Y^3 + 6930X^2Y^5 - 6930Y^7 - 3780X^4Y^1 - 2520X^2Y^3 + 1260Y^5 + 252X^2Y^1 - 84Y^3 - 2520X^2Y^3 + 1260Y^5 + 252X^2Y^2 + 26472Y^2 + 26472Y
 Z_{15}^{-1} = \sqrt{32} [6435X^{14}Y^1 + 45045X^{12}Y^3 + 135135X^{10}Y^5 + 225225X^8Y^7 + 225225X^6Y^9 + 135135X^4Y^{11} + 45045X^2Y^{13} + 6435Y^{15} - 24024X^{12}Y^1 - 144144X^{10}Y^3 - 360360X^8Y^5 - 24024X^{12}Y^3 + 24024X^{12}Y^3 - 24024X^{
 480480X^{6}Y^{7} - 360360X^{4}Y^{9} - 144144X^{2}Y^{11} - 24024Y^{13} + 36036X^{10}Y^{1} + 180180X^{8}Y^{3} + 360360X^{6}Y^{5} + 360360X^{4}Y^{7} + 180180X^{2}Y^{9} + 36036Y^{11} - 27720X^{8}Y^{1} - 110880X^{6}Y^{3} - 27720X^{8}Y^{1} - 110880X^{6}Y^{3} - 27720X^{8}Y^{1} - 27720X^
   166320X^{4}Y^{5} - 110880X^{2}Y^{7} - 27720Y^{9} + 11550X^{6}Y^{1} + 34650X^{4}Y^{3} + 34650X^{2}Y^{5} + 11550Y^{7} - 2520X^{4}Y^{1} - 5040X^{2}Y^{3} - 2520Y^{5} + 252X^{2}Y^{1} + 252Y^{3} - 8Y^{1} + 252Y^{2} - 2720Y^{2} + 272Y^{2} - 272Y^{2
   Z_{1z}^{1} = \sqrt{32}[6435X^{15} + 45045X^{13}Y^{2} + 135135X^{11}Y^{4} + 225225X^{9}Y^{6} + 225225X^{7}Y^{8} + 135135X^{5}Y^{10} + 45045X^{3}Y^{12} + 6435X^{1}Y^{14} - 24024X^{13} - 144144X^{11}Y^{2} - 360360X^{9}Y^{4} - 24024X^{13} - 24024X^{13
 480480X^{7}Y^{6} - 360360X^{5}Y^{8} - 144144X^{3}Y^{10} - 24024X^{1}Y^{12} + 36036X^{11} + 180180X^{9}Y^{2} + 360360X^{7}Y^{4} + 360360X^{5}Y^{6} + 180180X^{3}Y^{8} + 36036X^{1}Y^{10} - 27720X^{9} - 110880X^{7}Y^{2} - 27720X^{9} + 120120X^{9} + 120120X
 166320X^5Y^4 - 110880X^3Y^6 - 27720X^1Y^8 + 11550X^7 + 34650X^5Y^2 + 34650X^3Y^4 + 11550X^1Y^6 - 2520X^5 - 5040X^3Y^2 - 2520X^1Y^4 + 252X^3 + 252X^1Y^2 - 8X^1]
 Z_{15}^{3} = \sqrt{32}[5005X^{15} + 15015X^{13}Y^{2} - 15015X^{11}Y^{4} - 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{5}Y^{10} - 85085X^{3}Y^{12} - 15015X^{1}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{5}Y^{10} - 85085X^{3}Y^{12} - 15015X^{1}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{5}Y^{10} - 85085X^{3}Y^{12} - 15015X^{11}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{5}Y^{10} - 85085X^{3}Y^{12} - 15015X^{11}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{7}Y^{10} - 85085X^{7}Y^{12} - 15015X^{11}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 225225X^{7}Y^{8} - 195195X^{7}Y^{10} - 85085X^{7}Y^{12} - 15015X^{11}Y^{14} - 18018X^{13} - 36036X^{11}Y^{2} + 90090X^{9}Y^{4} + 125125X^{9}Y^{6} - 12512
360360X^{7}Y^{6} + 450450X^{5}Y^{8} + 252252X^{3}Y^{10} + 54054X^{1}Y^{12} + 25740X^{11} + 25740X^{9}Y^{2} - 154440X^{7}Y^{4} - 360360X^{5}Y^{6} - 283140X^{3}Y^{8} - 77220X^{1}Y^{10} - 18480X^{9} + 110880X^{5}Y^{4} + 110880X^{10}Y^{10} + 
147840X^{3}Y^{6} + 55440X^{1}Y^{8} + 6930X^{7} - 6930X^{5}Y^{2} - 34650X^{3}Y^{4} - 20790X^{1}Y^{6} - 1260X^{5} + 2520X^{3}Y^{2} + 3780X^{1}Y^{4} + 84X^{3} - 252X^{1}Y^{2}]
   Z_{55}^{75} = \sqrt{32}[3003X^{15} - 15015X^{13}Y^{2} - 105105X^{11}Y^{4} - 195195X^{9}Y^{6} - 135135X^{7}Y^{8} + 3003X^{5}Y^{10} + 45045X^{3}Y^{12} + 15015X^{1}Y^{14} - 10010X^{13} + 60060X^{11}Y^{2} + 290290X^{9}Y^{4} + 10010X^{13}Y^{2} + 10
   360360X^{7}Y^{6} + 90090X^{5}Y^{8} - 100100X^{3}Y^{10} - 50050X^{1}Y^{12} + 12870X^{11} - 90090X^{9}Y^{2} - 283140X^{7}Y^{4} - 180180X^{5}Y^{6} + 64350X^{3}Y^{8} + 64350X^{1}Y^{10} - 7920X^{9} + 63360X^{7}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} - 283140X^{7}Y^{4} - 180180X^{5}Y^{6} + 64350X^{3}Y^{8} + 64350X^{1}Y^{10} - 7920X^{9} + 63360X^{7}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} - 283140X^{7}Y^{4} - 180180X^{5}Y^{6} + 64350X^{3}Y^{8} + 64350X^{1}Y^{10} - 7920X^{9} + 63360X^{7}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} - 283140X^{7}Y^{4} - 180180X^{5}Y^{6} + 64350X^{3}Y^{8} + 64350X^{1}Y^{10} - 7920X^{9} + 63360X^{7}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} - 283140X^{7}Y^{4} - 180180X^{5}Y^{6} + 64350X^{3}Y^{8} + 64350X^{3}Y^{10} - 7920X^{9} + 63360X^{7}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} - 12870X^{11} + 12870X^{11} - 90090X^{9}Y^{2} - 180180X^{7}Y^{6} + 12870X^{11} - 90090X^{9}Y^{2} - 180180X^{9}Y^{2} - 180180X^{9}Y^{2} + 12870X^{11} - 90090X^{9}Y^{2} + 12870X^{11} +
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110880X^{5}Y^{4} - 39600X^{1}Y^{8} + 2310X^{7} - 20790X^{5}Y^{2} - 11550X^{3}Y^{4} + 11550X^{1}Y^{6} - 252X^{5} + 2520X^{3}Y^{2} - 1260X^{1}Y^{4}
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- $Z_{15}^7 = \sqrt{32} [1365X^{15} 23205X^{13}Y^2 58695X^{11}Y^4 + 15015X^9Y^6 + 135135X^7Y^8 + 105105X^5Y^{10} + 9555X^3Y^{12} 9555X^1Y^{14} 4004X^{13} + 72072X^{11}Y^2 + 100100X^9Y^4 144144X^7Y^6 252252X^5Y^8 56056X^3Y^{10} + 28028X^1Y^{12} + 4290X^{11} 81510X^9Y^2 25740X^7Y^4 + 180180X^5Y^6 + 90090X^3Y^8 30030X^1Y^{10} 1980X^9 + 39600X^7Y^2 27720X^5Y^4 55440X^3Y^6 + 13860X^1Y^8 + 330X^7 6930X^5Y^2 + 11550X^3Y^4 2310X^1Y^6]$
- $Z_{15}^9 = \sqrt{32} [455X^{15} 15015X^{13}Y^2 + 9555X^{11}Y^4 + 85085X^9Y^6 + 45045X^7Y^8 45045X^5Y^{10} 25935X^3Y^{12} + 4095X^1Y^{14} 1092X^{13} + 37128X^{11}Y^2 60060X^9Y^4 144144X^7Y^6 + 36036X^5Y^8 + 72072X^3Y^{10} 9828X^1Y^{12} + 858X^{11} 30030X^9Y^2 + 77220X^7Y^4 + 36036X^5Y^6 64350X^3Y^8 + 7722X^1Y^{10} 220X^9 + 7920X^7Y^2 27720X^5Y^4 + 18480X^3Y^6 1980X^1Y^8]$
- $Z_{15}^{11} = \sqrt{32} [105X^{15} 5565X^{13}Y^2 + 23205X^{11}Y^4 + 15015X^9Y^6 45045X^7Y^8 15015X^5Y^{10} + 15015X^3Y^{12} 1155X^1Y^{14} 182X^{13} + 9828X^{11}Y^2 50050X^9Y^4 + 24024X^7Y^6 + 54054X^5Y^8 28028X^3Y^{10} + 2002X^1Y^{12} + 78X^{11} 4290X^9Y^2 + 25740X^7Y^4 36036X^5Y^6 + 12870X^3Y^8 858X^1Y^{10}]$
- $Z_{15}^{13} = \sqrt{32} [15X^{15} 1155X^{13}Y^2 + 9555X^{11}Y^4 15015X^9Y^6 6435X^7Y^8 + 15015X^5Y^{10} 4095X^3Y^{12} + 195X^1Y^{14} 14X^{13} + 1092X^{11}Y^2 10010X^9Y^4 + 24024X^7Y^6 18018X^5Y^8 + 4004X^3Y^{10} 182X^1Y^{12}]$
- $Z_{15}^{15} = \sqrt{32}[X^{15} 105X^{13}Y^2 + 1365X^{11}Y^4 5005X^9Y^6 + 6435X^7Y^8 3003X^5Y^{10} + 455X^3Y^{12} 15X^1Y^{14}]$

2 X slope $(\frac{\delta Z}{\delta X})$

$$\frac{\delta Z_0^n}{\delta x} = 1$$

$$\frac{\delta Z_0^{-1}}{\delta x} = 2$$

$$\frac{\delta Z_0^{-1}}{\delta x} = 2[1]$$

$$\frac{\delta Z_0^{-2}}{\delta x} = \sqrt{6}[2Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{6}[2Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{6}[2X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{8}[6X^1Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{8}[6X^1Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{8}[6X^1Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{8}[9X^2 + 3Y^2 - 2]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{10}[12X^2Y^1 - 4Y^3]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{10}[12X^2Y^1 + 8Y^3 - 6Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{10}[16X^3 - 6X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{10}[16X^3 - 6X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{10}[16X^3 - 12X^1Y^2]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{12}[20X^3Y^1 - 20X^1Y^3]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{12}[60X^3Y^1 + 40X^1Y^3 - 24X^1Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{12}[50X^4 + 60X^2Y^2 + 10Y^4 - 36X^2 - 12Y^2 + 3]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{12}[5X^4 - 30X^2Y^2 - 15Y^4 - 12X^2 + 12Y^2]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{14}[30X^4Y^1 - 60X^2Y^3 + 6Y^5]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{14}[150X^4Y^1 + 180X^2Y^3 + 30Y^5 - 120X^2Y^1 - 40Y^3 + 12Y^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{7}[120X^5 + 240X^3Y^2 + 120X^1Y^4 - 120X^3 - 120X^1Y^2 + 24X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{7}[120X^5 + 240X^3Y^2 + 120X^1Y^4 - 120X^3 - 120X^1Y^2 + 24X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{7}[14[90X^5 + 60X^3Y^2 - 30X^1Y^4 - 80X^3 + 12X^1]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{14}[36X^5 - 120X^3Y^2 - 60X^1Y^4 - 20X^3 + 60X^1Y^2]$$

$$\frac{\delta Z_0^n}{\delta x} = \sqrt{14}[6X^5 - 60X^3Y^2 + 30X^1Y^4]$$

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\frac{\delta Z_7^{-7}}{\delta x} = 4[42X^5Y^1 - 140X^3Y^3 + 42X^1Y^5]
\frac{\delta Z_7^{-5}}{\delta x} = 4[210X^5Y^1 - 140X^3Y^3 - 126X^1Y^5 - 120X^3Y^1 + 120X^1Y^3]
\frac{\delta Z_7^{-3}}{\delta x} = 4[378X^5Y^1 + 420X^3Y^3 + 42X^1Y^5 - 360X^3Y^1 - 120X^1Y^3 + 60X^1Y^1]
\frac{\delta Z_7^{-1}}{\frac{\delta Z_7^{-1}}{\delta m}} = 4[210X^5Y^1 + 420X^3Y^3 + 210X^1Y^5 - 240X^3Y^1 - 240X^1Y^3 + 60X^1Y^1]
\frac{\delta Z_7^1}{\delta x} = 4[245X^6 + 525X^4Y^2 + 315X^2Y^4 + 35Y^6 - 300X^4 - 360X^2Y^2 - 60Y^4 + 90X^2 + 30Y^2 - 4]
\frac{\delta Z_7^7}{\frac{\kappa}{\kappa}} = 4 \left[ 147X^6 - 105X^4Y^2 - 315X^2Y^4 - 63Y^6 - 150X^4 + 180X^2Y^2 + 90Y^4 + 30X^2 - 30Y^2 \right]
\frac{\delta Z_7^5}{\delta x} = 4[49X^6 - 315X^4Y^2 - 105X^2Y^4 + 35Y^6 - 30X^4 + 180X^2Y^2 - 30Y^4]
\frac{\delta Z_7^7}{\delta x} = 4[7X^6 - 105X^4Y^2 + 105X^2Y^4 - 7Y^6]
\frac{\delta Z_8^{-8}}{\delta x} = \sqrt{18} \left[ 56X^6Y^1 - 280X^4Y^3 + 168X^2Y^5 - 8Y^7 \right]
\frac{\delta Z_8^{-6}}{\frac{\delta X_8}{\delta x}} = \sqrt{18} [336X^6Y^1 - 560X^4Y^3 - 336X^2Y^5 + 48Y^7 - 210X^4Y^1 + 420X^2Y^3 - 42Y^5]
\frac{\delta Z_8^{-4}}{\frac{\delta X_8}{\delta \pi}} = \sqrt{18} \left[ 784X^6Y^1 + 560X^4Y^3 - 336X^2Y^5 - 112Y^7 - 840X^4Y^1 + 168Y^5 + 180X^2Y^1 - 60Y^3 \right]
\frac{\delta Z_8^{-2}}{\frac{\delta Z_8^{-2}}{\delta x_m}} = \sqrt{18} \left[ 784X^6Y^1 + 1680X^4Y^3 + 1008X^2Y^5 + 112Y^7 - 1050X^4Y^1 - 1260X^2Y^3 - 210Y^5 + 360X^2Y^1 + 120Y^3 - 20Y^1 \right]
\frac{\delta Z_8^0}{\delta x} = 3[560X^7 + 1680X^5Y^2 + 1680X^3Y^4 + 560X^1Y^6 - 840X^5 - 1680X^3Y^2 - 840X^1Y^4 + 360X^3 + 360X^1Y^2 - 40X^1]
\frac{\delta Z_8^2}{\delta x} = \sqrt{18} \left[ 448X^7 + 672X^5Y^2 - 224X^1Y^6 - 630X^5 - 420X^3Y^2 + 210X^1Y^4 + 240X^3 - 20X^1 \right]
\frac{\delta Z_8^4}{\frac{\delta T}{\delta T}} = \sqrt{18} \left[ 224X^7 - 672X^5Y^2 - 1120X^3Y^4 - 224X^1Y^6 - 252X^5 + 840X^3Y^2 + 420X^1Y^4 + 60X^3 - 180X^1Y^2 \right]
\frac{\delta Z_8^6}{\delta x} = \sqrt{18} \left[ 64X^7 - 672X^5Y^2 + 224X^1Y^6 - 42X^5 + 420X^3Y^2 - 210X^1Y^4 \right]
\frac{\delta Z_8^8}{\delta x} = \sqrt{18}[8X^7 - 168X^5Y^2 + 280X^3Y^4 - 56X^1Y^6]
\frac{\delta Z_9^{-9}}{\frac{\delta X_9}{\delta x}} = \sqrt{20} [72X^7Y^1 - 504X^5Y^3 + 504X^3Y^5 - 72X^1Y^7]
\frac{\delta Z_9^{-1}}{\delta x} = \sqrt{20} \left[ 504X^7Y^1 - 1512X^5Y^3 - 504X^3Y^5 + 360X^1Y^7 - 336X^5Y^1 + 1120X^3Y^3 - 336X^1Y^5 \right]
\frac{\delta Z_9^{-5}}{\frac{\delta Z_9^{-5}}{\delta m}} = \sqrt{20}[1440X^7Y^1 - 2016X^3Y^5 - 576X^1Y^7 - 1680X^5Y^1 + 1120X^3Y^3 + 1008X^1Y^5 + 420X^3Y^1 - 420X^1Y^3]
\frac{\delta Z_9^{-3}}{\frac{\delta x}{\delta x}} = \sqrt{20}[2016X^7Y^1 + 4032X^5Y^3 + 2016X^3Y^5 - 3024X^5Y^1 - 3360X^3Y^3 - 336X^1Y^5 + 1260X^3Y^1 + 420X^1Y^3 - 120X^1Y^1]
\frac{\delta Z_9^{-1}}{\delta x} = \sqrt{20} [1008X^7Y^1 + 3024X^5Y^3 + 3024X^3Y^5 + 1008X^1Y^7 - 1680X^5Y^1 - 3360X^3Y^3 - 1680X^1Y^5 + 840X^3Y^1 + 840X^1Y^3 - 120X^1Y^1]
\frac{\delta Z_9^1}{\delta x} = \sqrt{20} [1134X^8 + 3528X^6Y^2 + 3780X^4Y^4 + 1512X^2Y^6 + 126Y^8 - 1960X^6 - 4200X^4Y^2 - 2520X^2Y^4 - 280Y^6 + 1050X^4 + 1260X^2Y^2 + 210Y^4 - 180X^2 - 60Y^2 + 5]
\frac{\delta Z_3^3}{\delta x} = \sqrt{20} \left[ 756X^8 - 2520X^4Y^4 - 2016X^2Y^6 - 252Y^8 - 1176X^6 + 840X^4Y^2 + 2520X^2Y^4 + 504Y^6 + 525X^4 - 630X^2Y^2 - 315Y^4 - 60X^2 + 60Y^2 \right]
\frac{\delta Z_{9}^{5}}{\delta r} = \sqrt{20} [324X^{8} - 2016X^{6}Y^{2} - 2520X^{4}Y^{4} + 180Y^{8} - 392X^{6} + 2520X^{4}Y^{2} + 840X^{2}Y^{4} - 280Y^{6} + 105X^{4} - 630X^{2}Y^{2} + 105Y^{4}]
\frac{\delta Z_9^7}{\delta x} = \sqrt{20} [81X^8 - 1260X^6Y^2 + 630X^4Y^4 + 756X^2Y^6 - 63Y^8 - 56X^6 + 840X^4Y^2 - 840X^2Y^4 + 56Y^6]
\frac{\delta Z_9^9}{\delta \tau} = \sqrt{20}[9X^8 - 252X^6Y^2 + 630X^4Y^4 - 252X^2Y^6 + 9Y^8]
\frac{\delta Z_{10}^{-10}}{\delta \tau} = \sqrt{22} [90X^8Y^1 - 840X^6Y^3 + 1260X^4Y^5 - 360X^2Y^7 + 10Y^9]
\frac{\delta Z_{10}^{-8}}{\delta x} = \sqrt{22} \left[720X^8Y^1 - 3360X^6Y^3 + 1440X^2Y^7 - 80Y^9 - 504X^6Y^1 + 2520X^4Y^3 - 1512X^2Y^5 + 72Y^7\right]
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\frac{\delta Z_{10}^{-6}}{\frac{\delta Z}{6\pi}} = \sqrt{22} [2430X^8Y^1 - 2520X^6Y^3 - 6300X^4Y^5 - 1080X^2Y^7 + 270Y^9 - 3024X^6Y^1 + 5040X^4Y^3 + 3024X^2Y^5 - 432Y^7 + 840X^4Y^1 - 1680X^2Y^3 + 168Y^5]
 \frac{\delta Z_{10}^{-4}}{\delta x} = \sqrt{22} [4320X^8Y^1 + 6720X^6Y^3 - 2880X^2Y^7 - 480Y^9 - 7056X^6Y^1 - 5040X^4Y^3 + 3024X^2Y^5 + 1008Y^7 + 3360X^4Y^1 - 672Y^5 - 420X^2Y^1 + 140Y^3]
 \frac{\delta Z_{10}^{-2}}{\delta x_{-}} = \sqrt{22} [3780X^8Y^1 + 11760X^6Y^3 + 12600X^4Y^5 + 5040X^2Y^7 + 420Y^9 - 7056X^6Y^1 - 15120X^4Y^3 - 9072X^2Y^5 - 1008Y^7 + 4200X^4Y^1 + 5040X^2Y^3 + 840Y^5 - 840X^2Y^1 - 15120X^4Y^3 - 120X^4Y^3 -
280Y^3 + 30Y^1
\frac{\delta Z_{10}^{0}}{\delta x} = \sqrt{11} [2520X^9 + 10080X^7Y^2 + 15120X^5Y^4 + 10080X^3Y^6 + 2520X^1Y^8 - 5040X^7 - 15120X^5Y^2 - 15120X^3Y^4 - 5040X^1Y^6 + 3360X^5 + 6720X^3Y^2 + 3360X^1Y^4 - 840X^3 - 15120X^3Y^4 - 15120
840X^{1}Y^{2} + 60X^{1}
 \frac{\delta Z_{10}^2}{\delta x} = \sqrt{22} [2100X^9 + 5040X^7Y^2 + 2520X^5Y^4 - 1680X^3Y^6 - 1260X^1Y^8 - 4032X^7 - 6048X^5Y^2 + 2016X^1Y^6 + 2520X^5 + 1680X^3Y^2 - 840X^1Y^4 - 560X^3 + 30X^1]
 \frac{\delta Z_{10}^4}{\delta x} = \sqrt{22} [1200X^9 - 2880X^7Y^2 - 10080X^5Y^4 - 6720X^3Y^6 - 720X^1Y^8 - 2016X^7 + 6048X^5Y^2 + 10080X^3Y^4 + 2016X^1Y^6 + 1008X^5 - 3360X^3Y^2 - 1680X^1Y^4 - 140X^3 + 420X^1Y^2]
 \frac{\delta Z_{10}^6}{\delta x} = \sqrt{22} \left[ 450X^9 - 4680X^7Y^2 - 3780X^5Y^4 + 2520X^3Y^6 + 1170X^1Y^8 - 576X^7 + 6048X^5Y^2 - 2016X^1Y^6 + 168X^5 - 1680X^3Y^2 + 840X^1Y^4 \right]
                           = \sqrt{22} \left[100X^9 - 2160X^7Y^2 + 2520X^5Y^4 + 1680X^3Y^6 - 540X^1Y^8 - 72X^7 + 1512X^5Y^2 - 2520X^3Y^4 + 504X^1Y^6\right]
 \frac{\delta Z_{10}^{10}}{\delta x} = \sqrt{22} [10X^9 - 360X^7Y^2 + 1260X^5Y^4 - 840X^3Y^6 + 90X^1Y^8]
 \frac{\delta Z_{11}^{-11}}{\frac{5}{5}} = \sqrt{24} [110X^9Y^1 - 1320X^7Y^3 + 2772X^5Y^5 - 1320X^3Y^7 + 110X^1Y^9]
\frac{\delta Z_{11}^{-9}}{\delta x} = \sqrt{24} [990X^9Y^1 - 6600X^7Y^3 + 2772X^5Y^5 + 3960X^3Y^7 - 770X^1Y^9 - 720X^7Y^1 + 5040X^5Y^3 - 5040X^3Y^5 + 720X^1Y^7]
\frac{\delta Z_{11}^{-7}}{\delta x} = \sqrt{24} [3850X^9Y^1 - 9240X^7Y^3 - 13860X^5Y^5 + 1320X^3Y^7 + 2090X^1Y^9 - 5040X^7Y^1 + 15120X^5Y^3 + 5040X^3Y^5 - 3600X^1Y^7 + 1512X^5Y^1 - 5040X^3Y^3 + 1512X^1Y^5]
 \frac{\delta Z_{11}^{-5}}{\delta x} = \sqrt{24} [8250X^9Y^1 + 6600X^7Y^3 - 13860X^5Y^5 - 14520X^3Y^7 - 2310X^1Y^9 - 14400X^7Y^1 + 20160X^3Y^5 + 5760X^1Y^7 + 7560X^5Y^1 - 5040X^3Y^3 - 4536X^1Y^5 - 1120X^3Y^1 + 20160X^3Y^5 + 5760X^2Y^7 + 20160X^3Y^7 + 20160X
1120X^{1}Y^{3}
\frac{\delta Z_{11}^{-3}}{\delta x} = \sqrt{24} [9900X^9Y^1 + 29040X^7Y^3 + 27720X^5Y^5 + 7920X^3Y^7 - 660X^1Y^9 - 20160X^7Y^1 - 40320X^5Y^3 - 20160X^3Y^5 + 13608X^5Y^1 + 15120X^3Y^3 + 1512X^1Y^5 - 3360X^3Y^1 - 40320X^5Y^3 - 20160X^3Y^5 + 13608X^5Y^1 + 15120X^3Y^3 + 1512X^1Y^5 - 3360X^3Y^1 - 40320X^5Y^3 - 20160X^3Y^5 + 13608X^5Y^3 - 20160X^3Y^3 + 1512X^3Y^5 - 20160X^3Y^5 - 20160X
1120X^{1}Y^{3} + 210X^{1}Y^{1}
 \frac{\delta Z_{11}^{-1}}{\delta x} = \sqrt{24} \left[4620X^9Y^1 + 18480X^7Y^3 + 27720X^5Y^5 + 18480X^3Y^7 + 4620X^1Y^9 - 10080X^7Y^1 - 30240X^5Y^3 - 30240X^3Y^5 - 10080X^1Y^7 + 7560X^5Y^1 + 15120X^3Y^3 + 7560X^1Y^5 - 10080X^7Y^1 - 30240X^5Y^3 - 30240X^3Y^5 - 10080X^7Y^7 + 7560X^5Y^1 + 15120X^3Y^3 + 7560X^1Y^5 - 10080X^7Y^1 - 30240X^5Y^3 - 30240X^3Y^5 - 10080X^7Y^1 - 30240X^5Y^3 - 30240X^3Y^5 - 10080X^7Y^1 - 30240X^3Y^1 - 30
2240X^3Y^1 - 2240X^1Y^3 + 210X^1Y^1
\frac{\delta Z_{11}^1}{\delta x} = \sqrt{24} [5082X^{10} + 20790X^8Y^2 + 32340X^6Y^4 + 23100X^4Y^6 + 6930X^2Y^8 + 462Y^{10} - 11340X^8 - 35280X^6Y^2 - 37800X^4Y^4 - 15120X^2Y^6 - 1260Y^8 + 8820X^6 + 18900X^4Y^2 + 1260Y^6 + 18900X^4Y^2 + 1260Y^6 + 18900X^4Y^2 + 1260Y^6 + 18900X^4Y^2 + 1260Y^6 + 1260Y^6
11340X^{2}Y^{4} + 1260Y^{6} - 2800X^{4} - 3360X^{2}Y^{2} - 560Y^{4} + 315X^{2} + 105Y^{2} - 6
\frac{\delta Z_{11}^2}{\delta x} = \sqrt{24} [3630X^{10} + 2970X^8Y^2 - 13860X^6Y^4 - 23100X^4Y^6 - 10890X^2Y^8 - 990Y^{10} - 7560X^8 + 25200X^4Y^4 + 20160X^2Y^6 + 2520Y^8 + 5292X^6 - 3780X^4Y^2 - 11340X^2Y^4 - 23100X^4Y^6 - 10890X^2Y^8 - 990Y^{10} - 7560X^8 + 25200X^4Y^4 + 20160X^2Y^6 + 2520Y^8 + 5292X^6 - 3780X^4Y^2 - 11340X^2Y^4 - 23100X^4Y^6 - 10890X^2Y^8 - 990Y^{10} - 7560X^8 + 25200X^4Y^4 + 20160X^2Y^6 + 2520Y^8 + 5292X^6 - 3780X^4Y^2 - 11340X^2Y^4 - 23100X^4Y^6 - 10890X^2Y^8 - 990Y^{10} - 7560X^8 + 25200X^4Y^4 + 20160X^2Y^6 + 2520Y^8 + 5292X^6 - 3780X^4Y^2 - 11340X^2Y^4 - 23100X^4Y^6 - 10890X^2Y^8 - 990Y^{10} - 7560X^8 + 25200X^4Y^4 + 20160X^2Y^6 + 2520Y^8 + 5292X^6 - 3780X^4Y^2 - 11340X^2Y^4 - 11340X^
2268Y^6 - 1400X^4 + 1680X^2Y^2 + 840Y^4 + 105X^2 - 105Y^2
 \frac{\delta Z_{11}^6}{\delta x} = \sqrt{24} \left[1815X^{10} - 10395X^8Y^2 - 25410X^6Y^4 - 11550X^4Y^6 + 2475X^2Y^8 + 825Y^{10} - 3240X^8 + 20160X^6Y^2 + 25200X^4Y^4 - 1800Y^8 + 1764X^6 - 11340X^4Y^2 - 3780X^2Y^4 + 1800Y^8 + 1764X^6 - 11340X^4Y^2 - 3780X^2Y^4 + 1800Y^8 + 180
1260Y^6 - 280X^4 + 1680X^2Y^2 - 280Y^4
\frac{\delta Z_{11}^7}{\delta x} = \sqrt{24} [605X^{10} - 9405X^8Y^2 - 2310X^6Y^4 + 11550X^4Y^6 + 3465X^2Y^8 - 385Y^{10} - 810X^8 + 12600X^6Y^2 - 6300X^4Y^4 - 7560X^2Y^6 + 630Y^8 + 252X^6 - 3780X^4Y^2 + 3780X^2Y^4 - 252Y^6]
\frac{\delta Z_{11}^9}{\delta x} = \sqrt{24} \left[ 121X^{10} - 3465X^8Y^2 + 6930X^6Y^4 + 2310X^4Y^6 - 2475X^2Y^8 + 99Y^{10} - 90X^8 + 2520X^6Y^2 - 6300X^4Y^4 + 2520X^2Y^6 - 90Y^8 \right]
 \frac{\delta Z_{11}^{11}}{\delta x} = \sqrt{24} \left[ 11X^{10} - 495X^8Y^2 + 2310X^6Y^4 - 2310X^4Y^6 + 495X^2Y^8 - 11Y^{10} \right]
 \frac{\delta Z_{12}^{-12}}{\delta x} = \sqrt{26} \left[ 132X^{10}Y^1 - 1980X^8Y^3 + 5544X^6Y^5 - 3960X^4Y^7 + 660X^2Y^9 - 12Y^{11} \right]
 \frac{\delta Z_{12}^{-10}}{\delta z_{12}} = \sqrt{26} [1320X^{10}Y^1 - 11880X^8Y^3 + 11088X^6Y^5 + 7920X^4Y^7 - 3960X^2Y^9 + 120Y^{11} - 990X^8Y^1 + 9240X^6Y^3 - 13860X^4Y^5 + 3960X^2Y^7 - 110Y^9]
 \frac{\delta Z_{12}^{-8}}{\delta x} = \sqrt{26} [5808X^{10}Y^1 - 23760X^8Y^3 - 22176X^6Y^5 + 15840X^4Y^7 + 7920X^2Y^9 - 528Y^{11} - 7920X^8Y^1 + 36960X^6Y^3 - 15840X^2Y^7 + 880Y^9 + 2520X^6Y^1 - 12600X^4Y^3 + 12600
7560X^2Y^5 - 360Y^7
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\frac{\delta Z_{12}^{-6}}{\delta x} = \sqrt{26} [14520X^{10}Y^1 - 3960X^8Y^3 - 55440X^6Y^5 - 39600X^4Y^7 - 1320X^2Y^9 + 1320Y^{11} - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^5 + 11880X^2Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^5 + 11880X^2Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^5 + 11880X^2Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^5 + 11880X^2Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^5 + 11880X^2Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^8Y^1 + 27720X^6Y^3 + 69300X^4Y^7 - 2970Y^9 + 15120X^6Y^1 - 26730X^6Y^1 + 27720X^6Y^3 + 26730X^6Y^3 + 27720X^6Y^3 + 27720
 25200X^4Y^3 - 15120X^2Y^5 + 2160Y^7 - 2520X^4Y^1 + 5040X^2Y^3 - 504Y^5
  \frac{\delta Z_{12}^{-4}}{\delta x} = \sqrt{26}[21780X^{10}Y^1 + 53460X^8Y^3 + 27720X^6Y^5 - 19800X^4Y^7 - 17820X^2Y^9 - 1980Y^{11} - 47520X^8Y^1 - 73920X^6Y^3 + 31680X^2Y^7 + 5280Y^9 + 35280X^6Y^1 + 25200X^4Y^3 - 1280X^2Y^9 - 12
 15120X^{2}Y^{5} - 5040Y^{7} - 10080X^{4}Y^{1} + 2016Y^{5} + 840X^{2}Y^{1} - 280Y^{3}
\frac{\delta Z_{12}^{-2}}{\delta x} = \sqrt{26} [17424X^{10}Y^1 + 71280X^8Y^3 + 110880X^6Y^5 + 79200X^4Y^7 + 23760X^2Y^9 + 1584Y^{11} - 41580X^8Y^1 - 129360X^6Y^3 - 138600X^4Y^5 - 55440X^2Y^7 - 4620Y^9 + 35280X^6Y^1 + 75600X^4Y^3 + 45360X^2Y^5 + 5040Y^7 - 12600X^4Y^1 - 15120X^2Y^3 - 2520Y^5 + 1680X^2Y^1 + 560Y^3 - 42Y^1]
  \frac{\delta Z_{12}^0}{\delta x} = \sqrt{13} [11088X^{11} + 55440X^9Y^2 + 110880X^7Y^4 + 110880X^5Y^6 + 55440X^3Y^8 + 11088X^1Y^{10} - 27720X^9 - 110880X^7Y^2 - 166320X^5Y^4 - 110880X^3Y^6 - 27720X^1Y^8 + 110880X^3Y^6 - 27720X^2 - 110880X^3 -
  25200X^7 + 75600X^5Y^2 + 75600X^3Y^4 + 25200X^1Y^6 - 10080X^5 - 20160X^3Y^2 - 10080X^1Y^4 + 1680X^3 + 1680X^1Y^2 - 84X^1
  \frac{\delta Z_{12}^2}{\delta x} = \sqrt{26} [9504X^{11} + 31680X^9Y^2 + 31680X^7Y^4 - 15840X^3Y^8 - 6336X^1Y^{10} - 23100X^9 - 55440X^7Y^2 - 27720X^5Y^4 + 18480X^3Y^6 + 13860X^1Y^8 + 20160X^7 + 30240X^5Y^2 - 27720X^5Y^4 + 18480X^3Y^6 + 13860X^3Y^8 - 12840X^3Y^8 - 12840
10080X^{1}Y^{6} - 7560X^{5} - 5040X^{3}Y^{2} + 2520X^{1}Y^{4} + 1120X^{3} - 42X^{1}
  \frac{\delta Z_{12}^4}{\delta x} = \sqrt{26} \left[ 5940X^{11} - 9900X^9Y^2 - 67320X^7Y^4 - 83160X^5Y^6 - 33660X^3Y^8 - 1980X^1Y^{10} - 13200X^9 + 31680X^7Y^2 + 110880X^5Y^4 + 73920X^3Y^6 + 7920X^1Y^8 + 10080X^7 - 1000X^2 + 10
\frac{\partial^{2} x}{30240X^{5}Y^{2} - 50400X^{3}Y^{4} - 10080X^{1}Y^{6} - 3024X^{5} + 10080X^{3}Y^{2} + 5040X^{1}Y^{4} + 280X^{3} - 840X^{1}Y^{2}]}
  \frac{\delta Z_{12}^{62}}{\delta x} = \sqrt{26} \left[ 2640X^{11} - 26400X^{9}Y^{2} - 47520X^{7}Y^{4} + 23760X^{3}Y^{8} + 5280X^{1}Y^{10} - 4950X^{9} + 51480X^{7}Y^{2} + 41580X^{5}Y^{4} - 27720X^{3}Y^{6} - 12870X^{1}Y^{8} + 2880X^{7} - 30240X^{5}Y^{2} + 41580X^{7}Y^{2} + 41580X^{7}Y^
 10080X^{1}Y^{6} - 504X^{5} + 5040X^{3}Y^{2} - 2520X^{1}Y^{4}
  \frac{\delta Z_{12}^{\circ}}{\delta x} = \sqrt{26} [792X^{11} - 17160X^9Y^2 + 7920X^7Y^4 + 33264X^5Y^6 + 3960X^3Y^8 - 3432X^1Y^{10} - 1100X^9 + 23760X^7Y^2 - 27720X^5Y^4 - 18480X^3Y^6 + 5940X^1Y^8 + 360X^7 - 7560X^5Y^2 + 12480X^3Y^6 + 12480X^3Y^6
12600X^3Y^4 - 2520X^1Y^6
  \frac{\delta Z_{12}^{12}}{\frac{5}{5\pi}} = \sqrt{26} \left[ 144X^{11} - 5280X^9Y^2 + 15840X^7Y^4 - 7920X^3Y^8 + 1056X^1Y^{10} - 110X^9 + 3960X^7Y^2 - 13860X^5Y^4 + 9240X^3Y^6 - 990X^1Y^8 \right]
 \frac{\delta Z_{12}^{12}}{\delta x} = \sqrt{26} \left[ 12X^{11} - 660X^9Y^2 + 3960X^7Y^4 - 5544X^5Y^6 + 1980X^3Y^8 - 132X^1Y^{10} \right]
 \frac{\delta Z_{13}^{-13}}{\delta Z_{13}} = \sqrt{28} [156X^{11}Y^1 - 2860X^9Y^3 + 10296X^7Y^5 - 10296X^5Y^7 + 2860X^3Y^9 - 156X^1Y^{11}]
  \frac{\delta Z_{13}^{-11}}{\delta \pi} = \sqrt{28} [1716X^{11}Y^1 - 20020X^9Y^3 + 30888X^7Y^5 + 10296X^5Y^7 - 14300X^3Y^9 + 1404X^1Y^{11} - 1320X^9Y^1 + 15840X^7Y^3 - 33264X^5Y^5 + 15840X^3Y^7 - 1320X^1Y^9]
  \frac{\delta Z_{13}^{-9}}{\frac{\delta x}{\delta x}} = \sqrt{28} [8424X^{11}Y^1 - 51480X^9Y^3 - 20592X^7Y^5 + 61776X^5Y^7 + 17160X^3Y^9 - 5304X^1Y^{11} - 11880X^9Y^1 + 79200X^7Y^3 - 33264X^5Y^5 - 47520X^3Y^7 + 9240X^1Y^9 + 17160X^3Y^9 - 5304X^1Y^{11} - 11880X^9Y^1 + 79200X^7Y^3 - 33264X^5Y^5 - 47520X^3Y^7 + 9240X^1Y^9 + 17160X^3Y^9 - 5304X^1Y^{11} - 11880X^9Y^1 + 79200X^7Y^3 - 33264X^5Y^5 - 47520X^3Y^7 + 9240X^1Y^9 + 17160X^3Y^9 - 17160X^3Y^9 
 3960X^7Y^1 - 27720X^5Y^3 + 27720X^3Y^5 - 3960X^1Y^7
  \frac{\delta Z_{13}^{-i}}{\frac{\delta Z_{13}}{\delta \pi}} = \sqrt{28} [24024X^{11}Y^1 - 40040X^9Y^3 - 144144X^7Y^5 - 61776X^5Y^7 + 28600X^3Y^9 + 10296X^1Y^{11} - 46200X^9Y^1 + 110880X^7Y^3 + 166320X^5Y^5 - 15840X^3Y^7 - 25080X^1Y^9 + 10296X^1Y^{11} - 46200X^9Y^3 - 144144X^7Y^5 - 61776X^5Y^7 + 28600X^3Y^9 + 10296X^1Y^{11} - 46200X^9Y^1 + 110880X^7Y^3 + 166320X^5Y^5 - 15840X^3Y^7 - 25080X^1Y^9 + 10296X^1Y^{11} - 46200X^9Y^3 - 144144X^7Y^5 - 61776X^5Y^7 + 28600X^3Y^9 + 10296X^1Y^{11} - 46200X^9Y^3 + 166320X^5Y^5 - 15840X^3Y^7 - 25080X^1Y^9 + 10296X^1Y^{11} - 46200X^9Y^7 - 12600X^3Y^7 - 12600X^3Y^7 - 12600X^7Y^7 - 12600X^7 -
 27720X^7Y^1 - 83160X^5Y^3 - 27720X^3Y^5 + 19800X^1Y^7 - 5040X^5Y^1 + 16800X^3Y^3 - 5040X^1Y^5 
  \frac{\delta Z_{13}^{-5}}{\delta x} = \sqrt{28} [42900X^{11}Y^1 + 71500X^9Y^3 - 51480X^7Y^5 - 154440X^5Y^7 - 82940X^3Y^9 - 8580X^1Y^{11} - 99000X^9Y^1 - 79200X^7Y^3 + 166320X^5Y^5 + 174240X^3Y^7 + 27720X^1Y^9 + 174240X^3Y^7 - 124440X^3Y^7 - 124440X^7 - 124
 79200X^{7}Y^{1} - 110880X^{3}Y^{5} - 31680X^{1}Y^{7} - 25200X^{5}Y^{1} + 16800X^{3}Y^{3} + 15120X^{1}Y^{5} + 2520X^{3}Y^{1} - 2520X^{1}Y^{3}
\frac{\delta Z_{13}^{-3}}{\delta x} = \sqrt{28} [46332X^{11}Y^1 + 180180X^9Y^3 + 257400X^7Y^5 + 154440X^5Y^7 + 25740X^3Y^9 - 5148X^1Y^{11} - 118800X^9Y^1 - 348480X^7Y^3 - 332640X^5Y^5 - 95040X^3Y^7 + 7920X^1Y^9 + 110880X^7Y^1 + 221760X^5Y^3 + 110880X^3Y^5 - 45360X^5Y^1 - 50400X^3Y^3 - 5040X^1Y^5 + 7560X^3Y^1 + 2520X^1Y^3 - 336X^1Y^1]
\frac{\delta Z_{13}^{-1}}{\delta x} = \sqrt{28} [20592X^{11}Y^1 + 102960X^9Y^3 + 205920X^7Y^5 + 205920X^5Y^7 + 102960X^3Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 55440X^7Y^1 + 166320X^5Y^3 + 166320X^3Y^5 + 55440X^1Y^7 - 25200X^5Y^1 - 50400X^3Y^3 - 25200X^1Y^5 + 5040X^3Y^1 + 5040X^1Y^3 - 336X^1Y^1]
  \frac{\delta Z_{13}^{1}}{\delta x} = \sqrt{28} [22308X^{12} + 113256X^{10}Y^2 + 231660X^8Y^4 + 240240X^6Y^6 + 128700X^4Y^8 + 30888X^2Y^{10} + 1716Y^{12} - 60984X^{10} - 249480X^8Y^2 - 388080X^6Y^4 - 277200X^4Y^6 - 128700X^4Y^8 + 30888X^2Y^{10} + 1716Y^{12} - 60984X^{10} - 249480X^8Y^2 - 388080X^6Y^4 - 277200X^4Y^6 - 128700X^4Y^8 + 30888X^2Y^{10} + 1716Y^{12} - 60984X^{10} - 249480X^8Y^2 - 388080X^6Y^4 - 277200X^4Y^6 - 128700X^4Y^6 - 12870
 83160X^{2}Y^{8} - 5544Y^{10} + 62370X^{8} + 194040X^{6}Y^{2} + 207900X^{4}Y^{4} + 83160X^{2}Y^{6} + 6930Y^{8} - 29400X^{6} - 63000X^{4}Y^{2} - 37800X^{2}Y^{4} - 4200Y^{6} + 6300X^{4} + 7560X^{2}Y^{2} + 1260Y^{4} - 4200Y^{6} + 6300X^{4}Y^{2} + 1260Y^{4} - 1260Y^{4} + 1
504X^2 - 168Y^2 + 7
  \frac{\delta Z_{13}^2}{\delta x} = \sqrt{28} [16731X^{12} + 28314X^{10}Y^2 - 57915X^8Y^4 - 180180X^6Y^6 - 160875X^4Y^8 - 54054X^2Y^{10} - 3861Y^{12} - 43560X^{10} - 35640X^8Y^2 + 166320X^6Y^4 + 277200X^4Y^6 + 160875X^4Y^8 - 54054X^2Y^{10} - 3861Y^{12} - 43560X^{10} - 35640X^8Y^2 + 166320X^6Y^4 + 277200X^4Y^6 + 160875X^4Y^8 - 160875X^4Y
130680X^{2}Y^{8} + 11880Y^{10} + 41580X^{8} - 138600X^{4}Y^{4} - 110880X^{2}Y^{6} - 13860Y^{8} - 17640X^{6} + 12600X^{4}Y^{2} + 37800X^{2}Y^{4} + 7560Y^{6} + 3150X^{4} - 3780X^{2}Y^{2} - 1890Y^{4} - 168X^{2} + 168Y^{2} - 1880Y^{2}Y^{2} - 1890Y^{2} - 1890Y^
  \frac{\delta Z_{13}^5}{\delta \pi} = \sqrt{28} [9295X^{12} - 47190X^{10}Y^2 - 186615X^8Y^4 - 180180X^6Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} - 21780X^{10} + 124740X^8Y^2 + 304920X^6Y^4 + 138600X^4Y^6 - 32175X^4Y^8 + 21450X^2Y^{10} + 3575Y^{12} + 304920X^6Y^4 + 304920X^6Y^6 + 32175X^4Y^8 + 304920X^6Y^6 + 32175X^4Y^6 + 32175X^4Y^8 + 32175X^
 29700X^{2}Y^{8} - 9900Y^{10} + 17820X^{8} - 110880X^{6}Y^{2} - 138600X^{4}Y^{4} + 9900Y^{8} - 5880X^{6} + 37800X^{4}Y^{2} + 12600X^{2}Y^{4} - 4200Y^{6} + 630X^{4} - 3780X^{2}Y^{2} + 630Y^{4}]
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\frac{\delta Z_{13}^7}{5} = \sqrt{28}[3718X^{12} - 56628X^{10}Y^2 - 64350X^8Y^4 + 72072X^6Y^6 + 90090X^4Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^8Y^2 + 27720X^6Y^4 - 138600X^4Y^6 - 41580X^2Y^8 + 12012X^2Y^{10} - 2002Y^{12} - 7260X^{10} + 112860X^2Y^4 - 12012X^2Y^{10} - 2002Y^{10} - 2002Y^{1
 4620Y^{10} + 4455X^8 - 69300X^6Y^2 + 34650X^4Y^4 + 41580X^2Y^6 - 3465Y^8 - 840X^6 + 12600X^4Y^2 - 12600X^2Y^4 + 840Y^6]
   \frac{\delta Z_{13}^9}{\frac{5}{12}} = \sqrt{28} [1014X^{12} - 29172X^{10}Y^2 + 38610X^8Y^4 + 72072X^6Y^6 - 12870X^4Y^8 - 15444X^2Y^{10} + 702Y^{12} - 1452X^{10} + 41580X^8Y^2 - 83160X^6Y^4 - 27720X^4Y^6 + 29700X^2Y^8 - 12870X^4Y^6 + 29700X^2Y^8 - 12870X^4Y^6 + 29700X^2Y^8 - 12870X^4Y^8 - 12870X^
1188Y^{10} + 495X^8 - 13860X^6Y^2 + 34650X^4Y^4 - 13860X^2Y^6 + 495Y^8
   \frac{\delta Z_{13}^{11}}{\delta x} = \sqrt{28} [169X^{12} - 7722X^{10}Y^2 + 32175X^8Y^4 - 12012X^6Y^6 - 19305X^4Y^8 + 6006X^2Y^{10} - 143Y^{12} - 132X^{10} + 5940X^8Y^2 - 27720X^6Y^4 + 27720X^4Y^6 - 5940X^2Y^8 + 132Y^{10}]
   \frac{\delta Z_{13}^{13}}{\frac{8}{5}} = \sqrt{28} [13X^{12} - 858X^{10}Y^2 + 6435X^8Y^4 - 12012X^6Y^6 + 6435X^4Y^8 - 858X^2Y^{10} + 13Y^{12}]
   \frac{\delta Z_{14}^{-14}}{\delta \pi} = \sqrt{30} [182X^{12}Y^1 - 4004X^{10}Y^3 + 18018X^8Y^5 - 24024X^6Y^7 + 10010X^4Y^9 - 1092X^2Y^{11} + 14Y^{13}]
   \frac{\delta Z_{14}^{-12}}{\delta x_r} = \sqrt{30}[2184X^{12}Y^1 - 32032X^{10}Y^3 + 72072X^8Y^5 - 40040X^4Y^9 + 8736X^2Y^{11} - 168Y^{13} - 1716X^{10}Y^1 + 25740X^8Y^3 - 72072X^6Y^5 + 51480X^4Y^7 - 8580X^2Y^9 + 156Y^{11}]
   \frac{\delta Z_{14}^{-10}}{\delta x} = \sqrt{30} [11830X^{12}Y^1 - 100100X^{10}Y^3 + 18018X^8Y^5 + 168168X^6Y^7 + 10010X^4Y^9 - 27300X^2Y^{11} + 910Y^{13} - 17160X^{10}Y^1 + 154440X^8Y^3 - 144144X^6Y^5 - 102960X^4Y^7 + 10010X^4Y^9 - 10010X^4Y
51480X^{2}Y^{9} - 1560Y^{11} + 5940X^{8}Y^{1} - 55440X^{6}Y^{3} + 83160X^{4}Y^{5} - 23760X^{2}Y^{7} + 660Y^{9}
   \frac{\delta Z_{14}^{-8}}{\delta x} = \sqrt{30} [37856X^{12}Y^1 - 128128X^{10}Y^3 - 288288X^8Y^5 + 160160X^4Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{13} - 75504X^{10}Y^1 + 308880X^8Y^3 + 288288X^6Y^5 - 205920X^4Y^7 - 102960X^2Y^9 + 34944X^2Y^{11} - 2912Y^{11} + 308880X^8Y^3 + 34944X^2Y^{11} - 2912Y^{11} + 34944X^2Y^{11} + 34944X^2Y^{11}
  \begin{array}{l} 0 \\ 6864Y^{11} + 47520X^8Y^1 - 221760X^6Y^3 + 95040X^2Y^7 - 5280Y^9 - 9240X^6Y^1 + 46200X^4Y^3 - 27720X^2Y^5 + 1320Y^7 \\ \end{array} 
   \frac{\delta Z_{14}^{-6}}{\delta x} = \sqrt{30} [78078X^{12}Y^1 + 44044X^{10}Y^3 - 342342X^8Y^5 - 504504X^6Y^7 - 190190X^4Y^9 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} - 188760X^{10}Y^1 + 51480X^8Y^3 + 720720X^6Y^5 + 514800X^4Y^7 + 12012X^2Y^{11} + 6006Y^{13} + 12012X^2Y^{11} + 12012X^2Y^{1
17160X^{2}Y^{9} - 17160Y^{11} + 160380X^{8}Y^{1} - 166320X^{6}Y^{3} - 415800X^{4}Y^{5} - 71280X^{2}Y^{7} + 17820Y^{9} - 55440X^{6}Y^{1} + 92400X^{4}Y^{3} + 55440X^{2}Y^{5} - 7920Y^{7} + 6300X^{4}Y^{1} - 12600X^{2}Y^{3} + 17820Y^{1} + 178
 1260Y^{5}]
   \frac{\delta Z_{14}^{-4}}{\delta x} = \sqrt{30} [104104X^{12}Y^1 + 352352X^{10}Y^3 + 360360X^8Y^5 - 200200X^4Y^9 - 96096X^2Y^{11} - 8008Y^{13} - 283140X^{10}Y^1 - 694980X^8Y^3 - 360360X^6Y^5 + 257400X^4Y^7 + 231660X^2Y^9 + 23160X^2Y^3 + 23160
   25740Y^{11} + 285120X^8Y^1 + 443520X^6Y^3 - 190080X^2Y^7 - 31680Y^9 - 129360X^6Y^1 - 92400X^4Y^3 + 55440X^2Y^5 + 18480Y^7 + 25200X^4Y^1 - 5040Y^5 - 1512X^2Y^1 + 504Y^3 - 1200X^2Y^2 + 12
   \frac{\delta Z_{14}^{-2}}{\delta \pi} = \sqrt{30} [78078X^{12}Y^1 + 396396X^{10}Y^3 + 810810X^8Y^5 + 840840X^6Y^7 + 450450X^4Y^9 + 108108X^2Y^{11} + 6006Y^{13} - 226512X^{10}Y^1 - 926640X^8Y^3 - 1441440X^6Y^5 - 14414440X^6Y^6 - 1441440X^6Y^6 - 1441440X^6Y^6 - 1441440X^6 - 14414
 1029600X^{4}Y^{7} - 308880X^{2}Y^{9} - 20592Y^{11} + 249480X^{8}Y^{1} + 776160X^{6}Y^{3} + 831600X^{4}Y^{5} + 332640X^{2}Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{4}Y^{3} - 166320X^{2}Y^{5} - 18480Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{4}Y^{3} - 166320X^{2}Y^{5} - 18480Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{4}Y^{3} - 166320X^{2}Y^{5} - 18480Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{4}Y^{3} - 166320X^{2}Y^{5} - 18480Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{4}Y^{3} - 166320X^{2}Y^{5} - 18480Y^{7} + 27720Y^{9} - 129360X^{6}Y^{1} - 277200X^{6}Y^{5} - 18480Y^{7} + 27720Y^{7} - 129720Y^{7} - 129720Y^{
 31500X^4Y^1 + 37800X^2Y^3 + 6300Y^5 - 3024X^2Y^1 - 1008Y^3 + 56Y^1]
   \frac{\delta Z_{14}^0}{\delta x} = \sqrt{15} [48048X^{13} + 288288X^{11}Y^2 + 720720X^9Y^4 + 960960X^7Y^6 + 720720X^5Y^8 + 288288X^3Y^{10} + 48048X^1Y^{12} - 144144X^{11} - 720720X^9Y^2 - 1441440X^7Y^4 - 1441440X^5Y^6 - 1441440X^7Y^4 - 144144X^7 - 144144X^7 - 144144X^7 - 144144X^7 - 144144X^7 - 14414X^7 - 144144X^7 - 144
 720720X^{3}Y^{8} - 144144X^{1}Y^{10} + 166320X^{9} + 665280X^{7}Y^{2} + 997920X^{5}Y^{4} + 665280X^{3}Y^{6} + 166320X^{1}Y^{8} - 92400X^{7} - 277200X^{5}Y^{2} - 277200X^{3}Y^{4} - 92400X^{1}Y^{6} + 25200X^{5} + 124144X^{1}Y^{10} + 166320X^{1}Y^{6} + 124144X^{1}Y^{10} + 166320X^{1}Y^{6} + 124144X^{1}Y^{10} + 166320X^{1}Y^{6} + 124144X^{1}Y^{10} + 166320X^{1}Y^{6} + 124144X^{1}Y^{10} + 126320X^{1}Y^{6} + 124144X^{1}Y^{10} + 124144X^{1}Y^{10} + 124144X^{1}Y^{10} + 12414X^{1}Y^{10} + 12414X^{1}Y^{10} + 12414X^{1}Y^{10} + 
   50400X^{3}Y^{2} + 25200X^{1}Y^{4} - 3024X^{3} - 3024X^{1}Y^{2} + 112X^{1}
   \frac{\delta Z_{14}^2}{\delta x} = \sqrt{30} [42042X^{13} + 180180X^{11}Y^2 + 270270X^9Y^4 + 120120X^7Y^6 - 90090X^5Y^8 - 108108X^3Y^{10} - 30030X^1Y^{12} - 123552X^{11} - 411840X^9Y^2 - 411840X^7Y^4 + 205920X^3Y^8 + 120120X^7Y^6 - 108108X^3Y^{10} - 108108X^3Y^{
82\overline{3}68X^{1}Y^{10} + 138600X^{9} + 332640X^{7}Y^{2} + 166320X^{5}Y^{4} - 110880X^{3}Y^{6} - 83160X^{1}Y^{8} - 73920X^{7} - 110880X^{5}Y^{2} + 36960X^{1}Y^{6} + 18900X^{5} + 12600X^{3}Y^{2} - 6300X^{1}Y^{4} - 2016X^{3} + 12600X^{2}Y^{2} + 166320X^{2}Y^{2} + 
   56X^{1}
   \frac{\delta Z_{14}^6}{\delta x} = \sqrt{30} [28028X^{13} - 24024X^{11}Y^2 - 380380X^9Y^4 - 720720X^7Y^6 - 540540X^5Y^8 - 152152X^3Y^{10} - 4004X^1Y^{12} - 77220X^{11} + 128700X^9Y^2 + 875160X^7Y^4 + 1081080X^5Y^6 + 1081000X^5Y^6 + 1081000X^5Y^6 + 1081000X^5Y^6 + 1081000X^5Y^6 + 1081000X^5Y^6 + 108100
\frac{\partial^{3} x}{437580 X^{3} Y^{8}} + 25740 X^{1} Y^{10} + 79200 X^{9} - 190080 X^{7} Y^{2} - 665280 X^{5} Y^{4} - 443520 X^{3} Y^{6} - 47520 X^{1} Y^{8} - 36960 X^{7} + 110880 X^{5} Y^{2} + 184800 X^{3} Y^{4} + 36960 X^{1} Y^{6} + 7560 X^{5} - 1200 X^{1} Y^{6} + 1200 X^{1} Y^{6} +
 25200X^3Y^2 - 12600X^1Y^4 - 504X^3 + 1512X^1Y^2
   \frac{\delta Z_{14}^6}{\delta x} = \sqrt{30} [14014X^{13} - 132132X^{11}Y^2 - 390390X^9Y^4 - 216216X^7Y^6 + 162162X^5Y^8 + 156156X^3Y^{10} + 22022X^1Y^{12} - 34320X^{11} + 343200X^9Y^2 + 617760X^7Y^4 - 308880X^3Y^8 - 1200X^2Y^4 -
 68640X^{1}Y^{10} + 29700X^{9} - 308880X^{7}Y^{2} - 249480X^{5}Y^{4} + 166320X^{3}Y^{6} + 77220X^{1}Y^{8} - 10560X^{7} + 110880X^{5}Y^{2} - 36960X^{1}Y^{6} + 1260X^{5} - 12600X^{3}Y^{2} + 6300X^{1}Y^{4} + 1260X^{5} + 1260
   \frac{\delta Z_{14}^8}{\delta x} = \sqrt{30} [5096X^{13} - 109200X^{11}Y^2 - 40040X^9Y^4 + 288288X^7Y^6 + 216216X^5Y^8 - 16016X^3Y^{10} - 18200X^1Y^{12} - 10296X^{11} + 223080X^9Y^2 - 102960X^7Y^4 - 432432X^5Y^6 - 10016X^3Y^{10} - 10016X^3Y^{1
 51480X^{3}Y^{8} + 44616X^{1}Y^{10} + 6600X^{9} - 142560X^{7}Y^{2} + 166320X^{5}Y^{4} + 110880X^{3}Y^{6} - 35640X^{1}Y^{8} - 1320X^{7} + 27720X^{5}Y^{2} - 46200X^{3}Y^{4} + 9240X^{1}Y^{6}]
   \frac{\delta Z_{14}^{10}}{\delta x} = \sqrt{30} [1274X^{13} - 46956X^{11}Y^2 + 110110X^9Y^4 + 120120X^7Y^6 - 90090X^5Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{12} - 1872X^{11} + 68640X^9Y^2 - 205920X^7Y^4 + 102960X^3Y^8 - 44044X^3Y^{10} + 7826X^1Y^{10} - 1872X^{11} + 7826X^2Y^{10} + 7826X^2
 13728X^{1}Y^{10} + 660X^{9} - 23760X^{7}Y^{2} + 83160X^{5}Y^{4} - 55440X^{3}Y^{6} + 5940X^{1}Y^{8}
 \frac{\delta Z_{12}^{12}}{\frac{5}{12}} = \sqrt{30}[196X^{13} - 10920X^{11}Y^2 + 60060X^9Y^4 - 48048X^7Y^6 - 36036X^5Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 24024X^3Y^{10} - 1820X^1Y^7 + 24024X^3Y^7 + 24024X^7 + 2
1716X^{1}Y^{10}
   \frac{\delta Z_{14}^{14}}{\frac{5}{5}\pi} = \sqrt{30}[14X^{13} - 1092X^{11}Y^2 + 10010X^9Y^4 - 24024X^7Y^6 + 18018X^5Y^8 - 4004X^3Y^{10} + 182X^1Y^{12}]
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\frac{\delta Z_{1.5}^{-1.5}}{\delta z_{-}} = \sqrt{32} [210X^{13}Y^{1} - 5460X^{11}Y^{3} + 30030X^{9}Y^{5} - 51480X^{7}Y^{7} + 30030X^{5}Y^{9} - 5460X^{3}Y^{11} + 210X^{1}Y^{13}]
   \frac{\delta Z_{1.5}^{-1.3}}{\delta z_{1.5}} = \sqrt{32} [2730X^{13}Y^{1} - 49140X^{11}Y^{3} + 150150X^{9}Y^{5} - 51480X^{7}Y^{7} - 90090X^{5}Y^{9} + 38220X^{3}Y^{11} - 2310X^{1}Y^{13} - 2184X^{11}Y^{1} + 40040X^{9}Y^{3} - 144144X^{7}Y^{5} + 144144X^{5}Y^{7} - 144144X^{7}Y^{5} + 14414X^{7}Y^{5} + 14414X^{7}Y^{5} 
   40040X^{3}Y^{9} + 2184X^{1}Y^{11}
   \frac{\delta Z_{15}^{-11}}{\delta x} = \sqrt{32} [16170X^{13}Y^1 - 180180X^{11}Y^3 + 150150X^9Y^5 + 360360X^7Y^7 - 90090X^5Y^9 - 92820X^3Y^{11} + 11130X^1Y^{13} - 24024X^{11}Y^1 + 280280X^9Y^3 - 432432X^7Y^5 - 90090X^5Y^9 - 92820X^3Y^{11} + 11130X^1Y^{13} - 24024X^{11}Y^1 + 280280X^9Y^3 - 432432X^7Y^5 - 90090X^5Y^9 - 92820X^3Y^{11} + 11130X^1Y^{13} - 24024X^{11}Y^1 + 280280X^9Y^3 - 432432X^7Y^5 - 90090X^5Y^9 - 92820X^3Y^{11} + 11130X^1Y^{13} - 24024X^{11}Y^1 + 280280X^9Y^3 - 432432X^7Y^5 - 90090X^5Y^9 - 900000X^5Y^9 - 90000X^5Y^9 - 900000X^5Y^9 - 900000X^5Y^9 - 900000X^5Y
 14\overline{4144}X^{5}Y^{7} + 200200X^{3}Y^{9} - 19656X^{1}Y^{11} + 8580X^{9}Y^{1} - 102960X^{7}Y^{3} + 216216X^{5}Y^{5} - 102960X^{3}Y^{7} + 8580X^{1}Y^{9}]
   \frac{\delta Z_{15}^{-9}}{\delta x} = \sqrt{32} [57330X^{13}Y^1 - 311220X^{11}Y^3 - 450450X^9Y^5 + 360360X^7Y^7 + 510510X^5Y^9 + 38220X^3Y^{11} - 30030X^1Y^{13} - 117936X^{11}Y^1 + 720720X^9Y^3 + 288288X^7Y^5 - 117936X^7Y^7 + 117936X^7 + 117936
 864864X^5Y^7 - 240240X^3Y^9 + 74256X^1Y^{11} + 77220X^9Y^1 - 514800X^7Y^3 + 216216X^5Y^5 + 308880X^3Y^7 - 60060X^1Y^9 - 15840X^7Y^1 + 110880X^5Y^3 - 110880X^3Y^5 + 15840X^1Y^7 - 110880X^3Y^5 - 110880X^5 - 110880
   \frac{\delta Z_{1}^{-7}}{\zeta_{1}} = \sqrt{32} [133770X^{13}Y^{1} - 114660X^{11}Y^{3} - 1051050X^{9}Y^{5} - 1081080X^{7}Y^{7} - 90090X^{5}Y^{9} + 234780X^{3}Y^{11} + 46410X^{1}Y^{13} - 336336X^{11}Y^{1} + 560560X^{9}Y^{3} + 2018016X^{7}Y^{5} + 2018016X^{7}Y^{5
 86\overline{4}864X^{5}Y^{7} - 400400X^{3}Y^{9} - 144144X^{1}Y^{11} + 300300X^{9}Y^{1} - 720720X^{7}Y^{3} - 1081080X^{5}Y^{5} + 102960X^{3}Y^{7} + 163020X^{1}Y^{9} - 110880X^{7}Y^{1} + 332640X^{5}Y^{3} + 110880X^{3}Y^{5} - 10000X^{1}Y^{1} + 1000X^{1}Y^{1} + 10000X^{1}Y^{1} + 10000X^{1}Y^{
 79200X^{1}Y^{7} + 13860X^{5}Y^{1} - 46200X^{3}Y^{3} + 13860X^{1}Y^{5}
   2062160X^5Y^7 + 1161160X^3Y^9 + 120120X^1Y^{11} + 643500X^9Y^1 + 514800X^7Y^3 - 1081080X^5Y^5 - 1132560X^3Y^7 - 180180X^1Y^9 - 316800X^7Y^1 + 443520X^3Y^5 + 126720X^1Y^7 + 120120X^1Y^7 + 120120X^1Y^7
 69300X^5Y^1 - 46200X^3Y^3 - 41580X^1Y^5 - 5040X^3Y^1 + 5040X^1Y^3
   \frac{\delta Z_{15}^{-3}}{\delta x} = \sqrt{32} [210210X^{13}Y^1 + 1021020X^{11}Y^3 + 1951950X^9Y^5 + 1801800X^7Y^7 + 750750X^5Y^9 + 60060X^3Y^{11} - 30030X^1Y^{13} - 648648X^{11}Y^1 - 2522520X^9Y^3 - 3603600X^7Y^5 - 4801800X^7Y^7 + 1801800X^7Y^7 + 1801800X^7 + 1
 2\tilde{16}2160X^{5}Y^{7} - 360360X^{3}Y^{9} + 72072X^{1}Y^{11} + 772200X^{9}Y^{1} + 2265120X^{7}Y^{3} + 2162160X^{5}Y^{5} + 617760X^{3}Y^{7} - 51480X^{1}Y^{9} - 443520X^{7}Y^{1} - 887040X^{5}Y^{3} - 443520X^{3}Y^{5} + 443520X^{2}Y^{2} + 443520
124740X^{5}Y^{1} + 138600X^{3}Y^{3} + 13860X^{1}Y^{5} - 15120X^{3}Y^{1} - 5040X^{1}Y^{3} + 504X^{1}Y^{1}]
   2882880X^5Y^7 - 1441440X^3Y^9 - 288288X^1Y^{11} + 360360X^9Y^1 + 1441440X^7Y^3 + 2162160X^5Y^5 + 1441440X^3Y^7 + 360360X^1Y^9 - 221760X^7Y^1 - 665280X^5Y^3 - 665280X^3Y^5 - 124141440X^3Y^3 - 124141440X^3 - 12
 221760X^{1}Y^{7} + 69300X^{5}Y^{1} + 138600X^{3}Y^{3} + 69300X^{1}Y^{5} - 10080X^{3}Y^{1} - 10080X^{1}Y^{3} + 504X^{1}Y^{1}]
   \frac{\delta Z_{15}^{7}}{\delta x} = \sqrt{32} [96525X^{14} + 585585X^{12}Y^{2} + 1486485X^{10}Y^{4} + 2027025X^{8}Y^{6} + 1576575X^{6}Y^{8} + 675675X^{4}Y^{10} + 135135X^{2}Y^{12} + 6435Y^{14} - 312312X^{12} - 1585584X^{10}Y^{2} - 1585584X^{10}Y^{2} + 1276575X^{6}Y^{8} + 127675X^{6}Y^{8} + 127675X^{6}Y^{6} + 127675X^{6}Y^{6} + 127675X^{6}Y^{6} + 127675X^{6}Y^{6} + 127675X^{6}Y^{6} + 127675X^{6}Y^{6} + 127
 3243240X^{8}Y^{\frac{1}{4}} - 3363360X^{6}Y^{6} - 1801800X^{4}Y^{8} - 432432X^{2}Y^{10} - 24024Y^{12} + 396396X^{10} + 1621620X^{8}Y^{2} + 2522520X^{6}Y^{4} + 1801800X^{4}Y^{6} + 540540X^{2}Y^{8} + 36036Y^{10} - 180180X^{2}Y^{8} + 36036Y^{2} + 36036Y^{2}
 249480X^8 - 776160X^6Y^2 - 831600X^4Y^4 - 332640X^2Y^6 - 27720Y^8 + 80850X^6 + 173250X^4Y^2 + 103950X^2Y^4 + 11550Y^6 - 12600X^4 - 15120X^2Y^2 - 2520Y^4 + 756X^2 + 252Y^2 - 8]
   \frac{\delta Z_{15}^3}{5} = \sqrt{32} [75075X^{14} + 195195X^{12}Y^2 - 165165X^{10}Y^4 - 1126125X^8Y^6 - 1576575X^6Y^8 - 975975X^4Y^{10} - 255255X^2Y^{12} - 15015Y^{14} - 234234X^{12} - 396396X^{10}Y^2 + 810810X^8Y^4 + 126125X^8Y^6 - 1576575X^6Y^8 - 975975X^4Y^{10} - 255255X^2Y^{12} - 15015Y^{14} - 234234X^{12} - 396396X^{10}Y^2 + 810810X^8Y^4 + 126125X^8Y^6 - 1576575X^6Y^8 - 975975X^4Y^{10} - 255255X^2Y^{12} - 15015Y^{14} - 234234X^{12} - 396396X^{10}Y^2 + 810810X^8Y^4 + 126125X^8Y^6 - 1576575X^6Y^8 - 126125X^6Y^8 - 1261
 252252520X^6Y^6 + 2252250X^4Y^8 + 756756X^2Y^{10} + 54054Y^{12} + 283140X^{10} + 231660X^8Y^2 - 1081080X^6Y^4 - 1801800X^4Y^6 - 849420X^2Y^8 - 77220Y^{10} - 166320X^8 + 554400X^4Y^4 + 1252250X^6Y^6 + 1252250X^6 
 443520X^{2}Y^{6} + 55440Y^{8} + 48510X^{6} - 34650X^{4}Y^{2} - 103950X^{2}Y^{4} - 20790Y^{6} - 6300X^{4} + 7560X^{2}Y^{2} + 3780Y^{4} + 252X^{2} - 252Y^{2}]
   \frac{\delta Z_{15}^{5}}{\delta x} = \sqrt{32} [45045X^{14} - 195195X^{12}Y^{2} - 1156155X^{10}Y^{4} - 1756755X^{8}Y^{6} - 945945X^{6}Y^{8} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} - 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} - 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} - 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} + 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} + 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{4}Y^{10} + 135135X^{2}Y^{12} + 15015Y^{14} + 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 15015X^{2}Y^{12} + 15015Y^{14} + 130130X^{12} + 660660X^{10}Y^{2} + 2612610X^{8}Y^{4} + 160120X^{14} + 160120X^{14
 25252520X^{6}Y^{6} + 450450X^{4}Y^{8} - 300300X^{2}Y^{10} - 50050Y^{12} + 141570X^{10} - 810810X^{8}Y^{2} - 1981980X^{6}Y^{4} - 900900X^{4}Y^{6} + 193050X^{2}Y^{8} + 64350Y^{10} - 71280X^{8} + 443520X^{6}Y^{2} + 1241570X^{10} - 1241570X
   554400X^4Y^4 - 39600Y^8 + 16170X^6 - 103950X^4Y^2 - 34650X^2Y^4 + 11550Y^6 - 1260X^4 + 7560X^2Y^2 - 1260Y^4 + 7560Y^2 - 1260Y^4 - 1
   \frac{\delta Z_{15}^7}{\delta x} = \sqrt{32} [20475X^{14} - 301665X^{12}Y^2 - 645645X^{10}Y^4 + 135135X^8Y^6 + 945945X^6Y^8 + 525525X^4Y^{10} + 28665X^2Y^{12} - 9555Y^{14} - 52052X^{12} + 792792X^{10}Y^2 + 900900X^8Y^4 - 12000X^2Y^4 + 12000X^
 1009008X^{6}Y^{6} - 1261260X^{4}Y^{8} - 168168X^{2}Y^{10} + 28028Y^{12} + 47190X^{10} - 733590X^{8}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{4} + 900900X^{4}Y^{6} + 270270X^{2}Y^{8} - 30030Y^{10} - 17820X^{8} + 277200X^{6}Y^{2} - 180180X^{6}Y^{6} + 120180X^{6}Y^{6} + 120180X^
 138600X^{4}Y^{4} - 166320X^{2}Y^{6} + 13860Y^{8} + 2310X^{6} - 34650X^{4}Y^{2} + 34650X^{2}Y^{4} - 2310Y^{6}]
   \frac{\delta Z_{15}^9}{\delta x} = \sqrt{32} [6825X^{14} - 195195X^{12}Y^2 + 105105X^{10}Y^4 + 765765X^8Y^6 + 315315X^6Y^8 - 225225X^4Y^{10} - 77805X^2Y^{12} + 4095Y^{14} - 14196X^{12} + 408408X^{10}Y^2 - 540540X^8Y^4 - 14196X^2Y^2 + 408408X^{10}Y^2 - 540540X^8Y^4 - 14196X^2Y^2 - 14196X^2 - 
1009008X^{6}Y^{6} + 180180X^{4}Y^{8} + 216216X^{2}Y^{10} - 9828Y^{12} + 9438X^{10} - 270270X^{8}Y^{2} + 540540X^{6}Y^{4} + 180180X^{4}Y^{6} - 193050X^{2}Y^{8} + 7722Y^{10} - 1980X^{8} + 55440X^{6}Y^{2} - 1980X^{10} + 180180X^{10} + 180180X^{10}
   138600X^4Y^4 + 55440X^2Y^6 - 1980Y^8
   \frac{\delta Z_{15}^{11}}{\delta x} = \sqrt{32} [1575X^{14} - 72345X^{12}Y^2 + 255255X^{10}Y^4 + 135135X^8Y^6 - 315315X^6Y^8 - 75075X^4Y^{10} + 45045X^2Y^{12} - 1155Y^{14} - 2366X^{12} + 108108X^{10}Y^2 - 450450X^8Y^4 + 108108X^{10}Y^2 - 450450X^8 + 108108X^{10}Y^2 - 45040X^8 + 10810X^8 + 
 168168X^{6}Y^{6} + 270270X^{4}Y^{8} - 84084X^{2}Y^{10} + 2002Y^{12} + 858X^{10} - 38610X^{8}Y^{2} + 180180X^{6}Y^{4} - 180180X^{4}Y^{6} + 38610X^{2}Y^{8} - 858Y^{10}]
   \frac{\delta Z_{15}^{13}}{\frac{\delta x}{6x}} = \sqrt{32}[225X^{14} - 15015X^{12}Y^2 + 105105X^{10}Y^4 - 135135X^8Y^6 - 45045X^6Y^8 + 75075X^4Y^{10} - 12285X^2Y^{12} + 195Y^{14} - 182X^{12} + 12012X^{10}Y^2 - 90090X^8Y^4 + 168168X^6Y^6 - 122X^6Y^2 + 12012X^6Y^2 - 122X^6Y^2 - 1
   90090X^{4}Y^{8} + 12012X^{2}Y^{10} - 182Y^{12}
   \frac{\delta Z_{15}^{15}}{\delta \pi} = \sqrt{32} [15X^{14} - 1365X^{12}Y^2 + 15015X^{10}Y^4 - 45045X^8Y^6 + 45045X^6Y^8 - 15015X^4Y^{10} + 1365X^2Y^{12} - 15Y^{14}]
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3 Y slope $(\frac{\delta Z}{\delta Y})$

$$\begin{array}{l} \frac{\delta Z_0^0}{\delta y} = 1 \\ \frac{\delta Z_1^{-1}}{\delta y} = 2[1] \\ \frac{\delta Z_1^{-1}}{\delta y} = 2 \\ \\ \frac{\delta Z_1^{-1}}{\delta y} = 2 \\ \\ \frac{\delta Z_2^{-1}}{\delta y} = 2 \\ \\ \frac{\delta Z_2^{-2}}{\delta y} = \sqrt{6}[2X^1] \\ \frac{\delta Z_2^{-2}}{\delta y} = \sqrt{6}[2Y^1] \\ \frac{\delta Z_2^{-2}}{\delta y} = \sqrt{8}[3X^2 - 3Y^2] \\ \frac{\delta Z_3^{-3}}{\delta y} = \sqrt{8}[3X^2 + 9Y^2 - 2] \\ \frac{\delta Z_3^{-1}}{\delta y} = \sqrt{8}[6X^1Y^1] \\ \frac{\delta Z_3^{-1}}{\delta y} = \sqrt{10}[4X^3 - 12X^1Y^2] \\ \frac{\delta Z_3^{-2}}{\delta y} = \sqrt{10}[8X^3 + 24X^1Y^2 - 6X^1] \\ \frac{\delta Z_3^{-2}}{\delta y} = \sqrt{10}[16Y^3 + 6Y^1] \\ \frac{\delta Z_3^{-2}}{\delta y} = \sqrt{10}[12X^2Y^1 + 24Y^3 - 12Y^1] \\ \frac{\delta Z_3^{-2}}{\delta y} = \sqrt{10}[12X^2Y^1 + 4Y^3] \\ \frac{\delta Z_3^{-5}}{\delta y} = \sqrt{12}[15X^4 + 30X^2Y^2 - 25Y^4 - 12X^2 + 12Y^2] \\ \frac{\delta Z_3^{-5}}{\delta y} = \sqrt{12}[10X^4 + 60X^2Y^2 + 50Y^4 - 12X^2 - 36Y^2 + 3] \\ \frac{\delta Z_3^{-5}}{\delta y} = \sqrt{12}[20X^3Y^1 + 40X^1Y^3 - 24X^1Y^1] \\ \frac{\delta Z_3^{-5}}{\delta y} = \sqrt{12}[20X^3Y^1 + 20X^1Y^3] \\ \frac{\delta Z_3^{-6}}{\delta y} = \sqrt{12}[20X^3Y^1 + 20X^1Y^3] \\ \frac{\delta Z_3^{-6}}{\delta y} = \sqrt{14}[24X^5 - 120X^1Y^4 - 20X^3 + 60X^1Y^2] \\ \frac{\delta Z_3^{-6}}{\delta y} = \sqrt{14}[30X^5 + 180X^3Y^2 + 150X^1Y^4 - 40X^3 - 120X^1Y^2 + 12X^1] \\ \frac{\delta Z_6^{-6}}{\delta y} = \sqrt{14}[30X^4Y^1 - 60X^2Y^3 - 90Y^5 + 80Y^3 - 12Y^1] \\ \frac{\delta Z_6^{-6}}{\delta y} = \sqrt{14}[30X^4Y^1 - 60X^2Y^3 - 90Y^5 + 80Y^3 - 12Y^1] \\ \end{array}$$

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\frac{\delta Z_6^4}{\delta u} = \sqrt{14} [60X^4Y^1 - 120X^2Y^3 + 36Y^5 + 60X^2Y^1 - 20Y^3]
\frac{\delta Z_6^6}{\delta u} = \sqrt{14} [30X^4Y^1 + 60X^2Y^3 - 6Y^5]
\frac{\delta Z_7^{-7}}{\delta u} = 4[7X^6 - 105X^4Y^2 + 105X^2Y^4 - 7Y^6]
\frac{\delta Z_7^{-5}}{\delta u} = 4[35X^6 - 105X^4Y^2 - 315X^2Y^4 + 49Y^6 - 30X^4 + 180X^2Y^2 - 30Y^4]
\frac{\delta Z_7^{-5}}{\delta u} = 4[63X^6 + 315X^4Y^2 + 105X^2Y^4 - 147Y^6 - 90X^4 - 180X^2Y^2 + 150Y^4 + 30X^2 - 30Y^2]
\frac{\delta Z_7^{-1}}{\delta u} = 4[35X^6 + 315X^4Y^2 + 525X^2Y^4 + 245Y^6 - 60X^4 - 360X^2Y^2 - 300Y^4 + 30X^2 + 90Y^2 - 4]
\frac{\delta Z_7^7}{\delta u} = 4[210X^5Y^1 + 420X^3Y^3 + 210X^1Y^5 - 240X^3Y^1 - 240X^1Y^3 + 60X^1Y^1]
\frac{\delta Z_7^2}{\delta u} = 4[42X^5Y^1 - 420X^3Y^3 - 378X^1Y^5 + 120X^3Y^1 + 360X^1Y^3 - 60X^1Y^1]
\frac{\delta Z_7^5}{\delta y} = 4[126X^5Y^1 - 140X^3Y^3 + 210X^1Y^5 + 120X^3Y^1 - 120X^1Y^3]
\frac{\delta Z_7^7}{\delta y} = 4[42X^5Y^1 + 140X^3Y^3 - 42X^1Y^5]
\frac{\delta Z_8^{-8}}{\delta u} = \sqrt{18} [8X^7 - 168X^5Y^2 + 280X^3Y^4 - 56X^1Y^6]
\frac{\delta Z_8^{-6}}{\delta u} = \sqrt{18} \left[ 48X^7 - 336X^5Y^2 - 560X^3Y^4 + 336X^1Y^6 - 42X^5 + 420X^3Y^2 - 210X^1Y^4 \right]
\frac{\delta Z_8^{-4}}{\delta u} = \sqrt{18} \left[ 112X^7 + 336X^5Y^2 - 560X^3Y^4 - 784X^1Y^6 - 168X^5 + 840X^1Y^4 + 60X^3 - 180X^1Y^2 \right]
\frac{\delta Z_8^{-2}}{\delta u} = \sqrt{18} \left[ 112X^7 + 1008X^5Y^2 + 1680X^3Y^4 + 784X^1Y^6 - 210X^5 - 1260X^3Y^2 - 1050X^1Y^4 + 120X^3 + 360X^1Y^2 - 20X^1 \right]
\frac{\delta Z_8^0}{\delta u} = 3[560X^6Y^1 + 1680X^4Y^3 + 1680X^2Y^5 + 560Y^7 - 840X^4Y^1 - 1680X^2Y^3 - 840Y^5 + 360X^2Y^1 + 360Y^3 - 40Y^1]
\frac{\delta Z_8^2}{\delta y} = \sqrt{18} [224X^6Y^1 - 672X^2Y^5 - 448Y^7 - 210X^4Y^1 + 420X^2Y^3 + 630Y^5 - 240Y^3 + 20Y^1]
\frac{\delta Z_8^4}{\delta y} = \sqrt{18} [224X^6Y^1 - 1120X^4Y^3 - 672X^2Y^5 + 224Y^7 + 420X^4Y^1 + 840X^2Y^3 - 252Y^5 - 180X^2Y^1 + 60Y^3]
\frac{\delta Z_8^6}{\delta u} = \sqrt{18} \left[ 224X^6Y^1 + 672X^2Y^5 - 64Y^7 + 210X^4Y^1 - 420X^2Y^3 + 42Y^5 \right]
\frac{\delta Z_8^8}{\delta u} = \sqrt{18} [56 X^6 Y^1 + 280 X^4 Y^3 - 168 X^2 Y^5 + 8 Y^7]
\frac{\delta Z_9^{-9}}{\delta u} = \sqrt{20} [9X^8 - 252X^6Y^2 + 630X^4Y^4 - 252X^2Y^6 + 9Y^8]
\frac{\delta Z_9^{-7}}{\delta y} = \sqrt{20} [63X^8 - 756X^6Y^2 - 630X^4Y^4 + 1260X^2Y^6 - 81Y^8 - 56X^6 + 840X^4Y^2 - 840X^2Y^4 + 56Y^6]
\frac{\delta Z_9^{-5}}{\delta u} = \sqrt{20} [180X^8 - 2520X^4Y^4 - 2016X^2Y^6 + 324Y^8 - 280X^6 + 840X^4Y^2 + 2520X^2Y^4 - 392Y^6 + 105X^4 - 630X^2Y^2 + 105Y^4]
\frac{\delta Z_9^{-\circ}}{\delta u} = \sqrt{20}[252X^8 + 2016X^6Y^2 + 2520X^4Y^4 - 756Y^8 - 504X^6 - 2520X^4Y^2 - 840X^2Y^4 + 1176Y^6 + 315X^4 + 630X^2Y^2 - 525Y^4 - 60X^2 + 60Y^2]
\frac{\delta Z_9^{-1}}{\delta u} = \sqrt{20} [126X^8 + 1512X^6Y^2 + 3780X^4Y^4 + 3528X^2Y^6 + 1134Y^8 - 280X^6 - 2520X^4Y^2 - 4200X^2Y^4 - 1960Y^6 + 210X^4 + 1260X^2Y^2 + 1050Y^4 - 60X^2 - 180Y^2 + 5]
\frac{\delta Z_9^1}{\delta n} = \sqrt{20} [1008X^7Y^1 + 3024X^5Y^3 + 3024X^3Y^5 + 1008X^1Y^7 - 1680X^5Y^1 - 3360X^3Y^3 - 1680X^1Y^5 + 840X^3Y^1 + 840X^1Y^3 - 120X^1Y^1]
\frac{\delta Z_9^3}{\delta y} = \sqrt{20} [2016X^5Y^3 - 4032X^3Y^5 - 2016X^1Y^7 + 336X^5Y^1 + 3360X^3Y^3 + 3024X^1Y^5 - 420X^3Y^1 - 1260X^1Y^3 + 120X^1Y^1]
\frac{\delta Z_9^5}{\delta y} = \sqrt{20} \left[ 576X^7Y^1 - 2016X^5Y^3 + 1440X^1Y^7 + 1008X^5Y^1 + 1120X^3Y^3 - 1680X^1Y^5 - 420X^3Y^1 + 420X^1Y^3 \right]
\frac{\delta Z_9^7}{\delta n} = \sqrt{20} [360X^7Y^1 + 504X^5Y^3 + 1512X^3Y^5 - 504X^1Y^7 + 336X^5Y^1 - 1120X^3Y^3 + 336X^1Y^5]
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\frac{\delta Z_9^9}{\delta u} = \sqrt{20} \left[ 72X^7 Y^1 + 504X^5 Y^3 - 504X^3 Y^5 + 72X^1 Y^7 \right]
 \frac{\delta Z_{10}^{-10}}{\delta y} = \sqrt{22} [10X^9 - 360X^7Y^2 + 1260X^5Y^4 - 840X^3Y^6 + 90X^1Y^8]
 \frac{\delta Z_{10}^{-8}}{\delta u} = \sqrt{22} \left[ 80X^9 - 1440X^7Y^2 + 3360X^3Y^6 - 720X^1Y^8 - 72X^7 + 1512X^5Y^2 - 2520X^3Y^4 + 504X^1Y^6 \right]
 \frac{\delta Z_{10}^{-6}}{\delta u} = \sqrt{22} [270X^9 - 1080X^7Y^2 - 6300X^5Y^4 - 2520X^3Y^6 + 2430X^1Y^8 - 432X^7 + 3024X^5Y^2 + 5040X^3Y^4 - 3024X^1Y^6 + 168X^5 - 1680X^3Y^2 + 840X^1Y^4]
 \frac{\delta Z_{10}^{-4}}{\delta y} = \sqrt{22} [480X^9 + 2880X^7Y^2 - 6720X^3Y^6 - 4320X^1Y^8 - 1008X^7 - 3024X^5Y^2 + 5040X^3Y^4 + 7056X^1Y^6 + 672X^5 - 3360X^1Y^4 - 140X^3 + 420X^1Y^2]
 \frac{\delta Z_{10}^{-2}}{\delta y} = \sqrt{22} [420X^9 + 5040X^7Y^2 + 12600X^5Y^4 + 11760X^3Y^6 + 3780X^1Y^8 - 1008X^7 - 9072X^5Y^2 - 15120X^3Y^4 - 7056X^1Y^6 + 840X^5 + 5040X^3Y^2 + 4200X^1Y^4 - 280X^3 - 120X^3Y^4 - 120X^3Y^
 840X^1Y^2 + 30X^1
 \frac{\delta Z_{10}^{9}}{\delta u} = \sqrt{11} [2520X^{8}Y^{1} + 10080X^{6}Y^{3} + 15120X^{4}Y^{5} + 10080X^{2}Y^{7} + 2520Y^{9} - 5040X^{6}Y^{1} - 15120X^{4}Y^{3} - 15120X^{2}Y^{5} - 5040Y^{7} + 3360X^{4}Y^{1} + 6720X^{2}Y^{3} + 3360Y^{5} - 840X^{2}Y^{1} - 15120X^{2}Y^{5} - 5040Y^{7} + 3360X^{2}Y^{3} + 15120X^{2}Y^{5} - 5040Y^{7} + 3360X^{2}Y^{3} + 15120X^{2}Y^{5} - 5040Y^{7} + 3360X^{2}Y^{5} - 5040Y^{5} + 3360Y^{5} - 5040Y^{5} - 5040Y^{5} + 3040Y^{5} + 30
840Y^3 + 60Y^1
 \frac{\delta Z_{10}^2}{\delta y} = \sqrt{22} [1260X^8Y^1 + 1680X^6Y^3 - 2520X^4Y^5 - 5040X^2Y^7 - 2100Y^9 - 2016X^6Y^1 + 6048X^2Y^5 + 4032Y^7 + 840X^4Y^1 - 1680X^2Y^3 - 2520Y^5 + 560Y^3 - 30Y^1] + 1680X^2Y^3 - 2520X^4Y^5 - 5040X^2Y^7 - 2100Y^9 - 2016X^6Y^1 + 6048X^2Y^5 + 4032Y^7 + 840X^4Y^1 - 1680X^2Y^3 - 2520Y^5 + 560Y^3 - 30Y^1] + 1680X^2Y^3 - 2520X^4Y^5 - 5040X^2Y^7 - 2100Y^9 - 2016X^6Y^1 + 6048X^2Y^5 + 4032Y^7 + 840X^4Y^1 - 1680X^2Y^3 - 2520Y^5 + 560Y^3 - 30Y^1]
 \frac{\delta Z_{10}^{\prime}}{\delta y} = \sqrt{22} [720X^{8}Y^{1} - 6720X^{6}Y^{3} - 10080X^{4}Y^{5} - 2880X^{2}Y^{7} + 1200Y^{9} + 2016X^{6}Y^{1} + 10080X^{4}Y^{3} + 6048X^{2}Y^{5} - 2016Y^{7} - 1680X^{4}Y^{1} - 3360X^{2}Y^{3} + 1008Y^{5} + 420X^{2}Y^{1} - 140Y^{3}]
 \frac{\delta Z_{10}^6}{\delta y} = \sqrt{22} [1170X^8Y^1 - 2520X^6Y^3 + 3780X^4Y^5 + 4680X^2Y^7 - 450Y^9 + 2016X^6Y^1 - 6048X^2Y^5 + 576Y^7 - 840X^4Y^1 + 1680X^2Y^3 - 168Y^5]
 \frac{\delta Z_{10}^8}{\delta y} = \sqrt{22} [540X^8Y^1 + 1680X^6Y^3 + 2520X^4Y^5 - 2160X^2Y^7 + 100Y^9 + 504X^6Y^1 - 2520X^4Y^3 + 1512X^2Y^5 - 72Y^7]
 \frac{\delta Z_{10}^{10}}{\delta u} = \sqrt{22} [90X^8Y^1 + 840X^6Y^3 - 1260X^4Y^5 + 360X^2Y^7 - 10Y^9]
 \frac{\delta Z_{11}^{-11}}{\delta u} = \sqrt{24} \left[ 11X^{10} - 495X^8Y^2 + 2310X^6Y^4 - 2310X^4Y^6 + 495X^2Y^8 - 11Y^{10} \right]
 \frac{\delta Z_{11}^{-9}}{\delta u} = \sqrt{24} [99X^{10} - 2475X^8Y^2 + 2310X^6Y^4 + 6930X^4Y^6 - 3465X^2Y^8 + 121Y^{10} - 90X^8 + 2520X^6Y^2 - 6300X^4Y^4 + 2520X^2Y^6 - 90Y^8]
\frac{\delta Z_{11}^{-7}}{\delta y} = \sqrt{24} [385X^{10} - 3465X^8Y^2 - 11550X^6Y^4 + 2310X^4Y^6 + 9405X^2Y^8 - 605Y^{10} - 630X^8 + 7560X^6Y^2 + 6300X^4Y^4 - 12600X^2Y^6 + 810Y^8 + 252X^6 - 3780X^4Y^2 + 12600X^2Y^6 + 810Y^8 + 252X^6 - 3780X^4Y^2 + 12600X^2Y^6 + 12600
3780X^2Y^4 - 252Y^6
 \frac{\delta Z_{11}^{-5}}{\delta u} = \sqrt{24} [825X^{10} + 2475X^8Y^2 - 11550X^6Y^4 - 25410X^4Y^6 - 10395X^2Y^8 + 1815Y^{10} - 1800X^8 + 25200X^4Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^2Y^6 - 3240Y^8 + 1260X^6 - 3780X^4Y^2 - 11340X^2Y^4 + 20160X^4Y^6 - 1039X^4Y^4 - 20160X^4Y^6 - 1039X^4Y^6 - 1
1764Y^6 - 280X^4 + 1680X^2Y^2 - 280Y^4
 \frac{\delta Z_{11}^{-3}}{\delta u} = \sqrt{24} [990X^{10} + 10890X^8Y^2 + 23100X^6Y^4 + 13860X^4Y^6 - 2970X^2Y^8 - 3630Y^{10} - 2520X^8 - 20160X^6Y^2 - 25200X^4Y^4 + 7560Y^8 + 2268X^6 + 11340X^4Y^2 + 3780X^2Y^4 - 2520X^6Y^2 - 25
5292Y^6 - 840X^4 - 1680X^2Y^2 + 1400Y^4 + 105X^2 - 105Y^2
\frac{\delta Z_{11}^{-1}}{\delta y} = \sqrt{24} [462X^{10} + 6930X^8Y^2 + 23100X^6Y^4 + 32340X^4Y^6 + 20790X^2Y^8 + 5082Y^{10} - 1260X^8 - 15120X^6Y^2 - 37800X^4Y^4 - 35280X^2Y^6 - 11340Y^8 + 1260X^6 + 11340X^4Y^2 + 18900X^2Y^4 + 8820Y^6 - 560X^4 - 3360X^2Y^2 - 2800Y^4 + 105X^2 + 315Y^2 - 6]
 \frac{\delta Z_{11}^*}{\delta u} = \sqrt{24} [4620X^9Y^1 + 18480X^7Y^3 + 27720X^5Y^5 + 18480X^3Y^7 + 4620X^1Y^9 - 10080X^7Y^1 - 30240X^5Y^3 - 30240X^3Y^5 - 10080X^1Y^7 + 7560X^5Y^1 + 15120X^3Y^3 + 7560X^1Y^5 - 10080X^3Y^3 + 1008
2240X^3Y^1 - 2240X^1Y^3 + 210X^1Y^1]
\frac{\delta Z_{11}^3}{\delta u} = \sqrt{24} [660X^9Y^1 - 7920X^7Y^3 - 27720X^5Y^5 - 29040X^3Y^7 - 9900X^1Y^9 + 20160X^5Y^3 + 40320X^3Y^5 + 20160X^1Y^7 - 1512X^5Y^1 - 15120X^3Y^3 - 13608X^1Y^5 + 1120X^3Y^1 + 20160X^3Y^3 - 120X^3Y^3 - 120X
3360X^1Y^3 - 210X^1Y^1
\frac{\delta Z_{11}^9}{\delta u} = \sqrt{24} [2310X^9Y^1 - 14520X^7Y^3 - 13860X^5Y^5 + 6600X^3Y^7 + 8250X^1Y^9 + 5760X^7Y^1 + 20160X^5Y^3 - 14400X^1Y^7 - 4536X^5Y^1 - 5040X^3Y^3 + 7560X^1Y^5 + 1120X^3Y^1 - 14400X^2Y^3 - 14400X^2
 1120X^{1}Y^{3}
\frac{\delta Z_{11}^7}{\delta n} = \sqrt{24} [2090X^9Y^1 - 1320X^7Y^3 + 13860X^5Y^5 + 9240X^3Y^7 - 3850X^1Y^9 + 3600X^7Y^1 - 5040X^5Y^3 - 15120X^3Y^5 + 5040X^1Y^7 - 1512X^5Y^1 + 5040X^3Y^3 - 1512X^1Y^5]
  \frac{\delta Z_{11}^9}{\delta u} = \sqrt{24} \left[ 770X^9Y^1 + 3960X^7Y^3 + 2772X^5Y^5 - 6600X^3Y^7 + 990X^1Y^9 + 720X^7Y^1 - 5040X^5Y^3 + 5040X^3Y^5 - 720X^1Y^7 \right]
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\frac{\delta Z_{11}^{11}}{\delta u} = \sqrt{24} \left[ 110X^9Y^1 + 1320X^7Y^3 - 2772X^5Y^5 + 1320X^3Y^7 - 110X^1Y^9 \right]
  \frac{\delta Z_{12}^{-12}}{\delta y} = \sqrt{26} [12X^{11} - 660X^9Y^2 + 3960X^7Y^4 - 5544X^5Y^6 + 1980X^3Y^8 - 132X^1Y^{10}]
 \frac{\delta Z_{12}^{-10}}{\delta y} = \sqrt{26}[120X^{11} - 3960X^9Y^2 + 7920X^7Y^4 + 11088X^5Y^6 - 11880X^3Y^8 + 1320X^1Y^{10} - 110X^9 + 3960X^7Y^2 - 13860X^5Y^4 + 9240X^3Y^6 - 990X^1Y^8]
 \frac{\delta Z_{12}^{-8}}{\delta y} = \sqrt{26} [528X^{11} - 7920X^9Y^2 - 15840X^7Y^4 + 22176X^5Y^6 + 23760X^3Y^8 - 5808X^1Y^{10} - 880X^9 + 15840X^7Y^2 - 36960X^3Y^6 + 7920X^1Y^8 + 360X^7 - 7560X^5Y^2 + 12600X^3Y^4 - 12600X^3Y^
  2520X^{1}Y^{6}
\frac{\delta Z_{12}^{-6}}{\delta y} = \sqrt{26} \left[ 1320X^{11} - 1320X^9Y^2 - 39600X^7Y^4 - 55440X^5Y^6 - 3960X^3Y^8 + 14520X^1Y^{10} - 2970X^9 + 11880X^7Y^2 + 69300X^5Y^4 + 27720X^3Y^6 - 26730X^1Y^8 + 2160X^7 - 2470X^3Y^6 - 26730X^3Y^6 - 2673
 15\overline{120}X^{5}Y^{2} - 25200X^{3}Y^{4} + 15120X^{1}Y^{6} - 504X^{5} + 5040X^{3}Y^{2} - 2520X^{1}Y^{4}]
 \frac{\delta Z_{12}^{-2}}{\delta x_t} = \sqrt{26} [1980X^{11} + 17820X^9Y^2 + 19800X^7Y^4 - 27720X^5Y^6 - 53460X^3Y^8 - 21780X^1Y^{10} - 5280X^9 - 31680X^7Y^2 + 73920X^3Y^6 + 47520X^1Y^8 + 5040X^7 + 15120X^5Y^2 - 120X^5Y^6 - 1
 25\tilde{200}X^{3}Y^{4} - 35280X^{1}Y^{6} - 2016X^{5} + 10080X^{1}Y^{4} + 280X^{3} - 840X^{1}Y^{2}]
 \frac{\delta Z_{12}^{-2}}{\delta u} = \sqrt{26}[1584X^{11} + 23760X^9Y^2 + 79200X^7Y^4 + 110880X^5Y^6 + 71280X^3Y^8 + 17424X^1Y^{10} - 4620X^9 - 55440X^7Y^2 - 138600X^5Y^4 - 129360X^3Y^6 - 41580X^1Y^8 + 5040X^7 + 1280X^3Y^6 - 41580X^3Y^6 - 41
 \frac{^{og}}{45360X^5Y^2} + 75600X^3Y^4 + 35280X^1Y^6 - 2520X^5 - 15120X^3Y^2 - 12600X^1Y^4 + 560X^3 + 1680X^1Y^2 - 42X^1]
 \frac{\delta Z_{12}^0}{\delta u} = \sqrt{13} [11088X^{10}Y^1 + 55440X^8Y^3 + 110880X^6Y^5 + 110880X^4Y^7 + 55440X^2Y^9 + 11088Y^{11} - 27720X^8Y^1 - 110880X^6Y^3 - 166320X^4Y^5 - 110880X^2Y^7 - 27720Y^9 + 11088Y^3 - 110880X^6Y^3 - 1
 25200X^6Y^1 + 75600X^4Y^3 + 75600X^2Y^5 + 25200Y^7 - 10080X^4Y^1 - 20160X^2Y^3 - 10080Y^5 + 1680X^2Y^1 + 1680Y^3 - 84Y^1]
 \frac{\delta Z_{12}^2}{\delta u} = \sqrt{26} [6336X^{10}Y^1 + 15840X^8Y^3 - 31680X^4Y^7 - 31680X^2Y^9 - 9504Y^{11} - 13860X^8Y^1 - 18480X^6Y^3 + 27720X^4Y^5 + 55440X^2Y^7 + 23100Y^9 + 10080X^6Y^1 - 30240X^2Y^5 - 1000X^2Y^2 - 1000
 20160Y^7 - 2520X^4Y^1 + 5040X^2Y^3 + 7560Y^5 - 1120Y^3 + 42Y^1]
 \frac{\delta Z_{12}^4}{\delta u} = \sqrt{26} [1980X^{10}Y^1 - 33660X^8Y^3 - 83160X^6Y^5 - 67320X^4Y^7 - 9900X^2Y^9 + 5940Y^{11} + 7920X^8Y^1 + 73920X^6Y^3 + 110880X^4Y^5 + 31680X^2Y^7 - 13200Y^9 - 10080X^6Y^1 - 10080X^6Y^3 + 10080X^6Y^3 - 100
50\overset{\circ}{4}00X^4Y^3 - 30240X^2Y^5 + 10080Y^7 + 5040X^4Y^1 + 10080X^2Y^3 - 3024Y^5 - 840X^2Y^1 + 280Y^3 ]
 \frac{\delta Z_{12}^{9}}{\delta u} = \sqrt{26} [5280X^{10}Y^{1} - 23760X^{8}Y^{3} + 47520X^{4}Y^{7} + 26400X^{2}Y^{9} - 2640Y^{11} + 12870X^{8}Y^{1} + 27720X^{6}Y^{3} - 41580X^{4}Y^{5} - 51480X^{2}Y^{7} + 4950Y^{9} - 10080X^{6}Y^{1} + 30240X^{2}Y^{5} - 10080X^{6}Y^{1} + 30240X^{2}Y^{5} - 10080X^{6}Y^{1} + 10080X^{6
 2880Y^7 + 2520X^4Y^1 - 5040X^2Y^3 + 504Y^5
 \frac{\delta Z_{12}^8}{\delta u} = \sqrt{26}[3432X^{10}Y^1 + 3960X^8Y^3 + 33264X^6Y^5 + 7920X^4Y^7 - 17160X^2Y^9 + 792Y^{11} + 5940X^8Y^1 - 18480X^6Y^3 - 27720X^4Y^5 + 23760X^2Y^7 - 1100Y^9 - 2520X^6Y^1 + 1100Y^9 - 2520X^6Y^2 + 1100Y^9 - 2520X^6Y^2 + 1100Y^9 - 2520X^6Y^3 - 1100Y^9 - 2520X^6Y^3 - 1100Y^9 - 2520X^6Y^3 - 1100Y^9 - 2520X^6Y^3 - 1100Y^9 -
12600X^4Y^3 - 7560X^2Y^5 + 360Y^7
 \frac{\delta Z_{12}^{10}}{\delta u} = \sqrt{26} \left[ 1056X^{10}Y^1 + 7920X^8Y^3 - 15840X^4Y^7 + 5280X^2Y^9 - 144Y^{11} + 990X^8Y^1 - 9240X^6Y^3 + 13860X^4Y^5 - 3960X^2Y^7 + 110Y^9 \right]
 \frac{\delta Z_{12}^{12}}{\delta u} = \sqrt{26} \left[ 132X^{10}Y^1 + 1980X^8Y^3 - 5544X^6Y^5 + 3960X^4Y^7 - 660X^2Y^9 + 12Y^{11} \right]
  \frac{\delta Z_{13}^{-13}}{\delta y} = \sqrt{28} \left[ 13X^{12} - 858X^{10}Y^2 + 6435X^8Y^4 - 12012X^6Y^6 + 6435X^4Y^8 - 858X^2Y^{10} + 13Y^{12} \right]
 \frac{\delta Z_{13}^{-11}}{\delta y} = \sqrt{28}[143X^{12} - 6006X^{10}Y^2 + 19305X^8Y^4 + 12012X^6Y^6 - 32175X^4Y^8 + 7722X^2Y^{10} - 169Y^{12} - 132X^{10} + 5940X^8Y^2 - 27720X^6Y^4 + 27720X^4Y^6 - 5940X^2Y^8 + 132Y^{10}]
  \frac{\delta Z_{13}^{-9}}{\delta x_1} = \sqrt{28} [702X^{12} - 15444X^{10}Y^2 - 12870X^8Y^4 + 72072X^6Y^6 + 38610X^4Y^8 - 29172X^2Y^{10} + 1014Y^{12} - 1188X^{10} + 29700X^8Y^2 - 27720X^6Y^4 - 83160X^4Y^6 + 41580X^2Y^8 - 27720X^6Y^4 - 12870X^6Y^4 - 12870X^6Y^6 + 12870X^6Y^6 + 12870X^6Y^6 - 12870X^6Y^6 + 12870X^6Y^6 - 12870X^6 - 12870X
 1452Y^{10} + 495X^8 - 13860X^6Y^2 + 34650X^4Y^4 - 13860X^2Y^6 + 495Y^8
 \frac{\delta Z_{13}^{-7}}{\frac{\delta Z_{13}}{\delta A_t}} = \sqrt{28} [2002X^{12} - 12012X^{10}Y^2 - 90090X^8Y^4 - 72072X^6Y^6 + 64350X^4Y^8 + 56628X^2Y^{10} - 3718Y^{12} - 4620X^{10} + 41580X^8Y^2 + 138600X^6Y^4 - 27720X^4Y^6 - 112860X^2Y^8 + 138600X^6Y^4 - 27720X^4Y^6 - 112860X^2Y^8 + 138600X^6Y^4 - 112860X^6Y^4 - 112860X^6Y^6 - 112860X^6Y^6 - 112860X^6Y^6 - 112860X^6Y^6 - 112860X^6Y^6 - 112860X^6Y^6 - 112860X^6 - 112860X^6 - 112860X^6 - 112860X^6 - 112860X^
 7260Y^{10} + 3465X^8 - 41580X^6Y^2 - 34650X^4Y^4 + 69300X^2Y^6 - 4455Y^8 - 840X^6 + 12600X^4Y^2 - 12600X^2Y^4 + 840Y^6]
 \frac{\delta Z_{13}^{-5}}{\delta u} = \sqrt{28} [3575X^{12} + 21450X^{10}Y^2 - 32175X^8Y^4 - 180180X^6Y^6 - 186615X^4Y^8 - 47190X^2Y^{10} + 9295Y^{12} - 9900X^{10} - 29700X^8Y^2 + 138600X^6Y^4 + 304920X^4Y^6 + 12040X^2Y^{10} + 9295Y^{12} - 9900X^{10} - 29700X^8Y^2 + 138600X^6Y^4 + 304920X^4Y^6 + 12040X^2Y^{10} + 12040X^2Y^{10}
 12\overline{4740}X^{2}Y^{8} - 21780Y^{10} + 9900X^{8} - 138600X^{4}Y^{4} - 110880X^{2}Y^{6} + 17820Y^{8} - 4200X^{6} + 12600X^{4}Y^{2} + 37800X^{2}Y^{4} - 5880Y^{6} + 630X^{4} - 3780X^{2}Y^{2} + 630Y^{4} + 12600X^{4}Y^{2} + 37800X^{2}Y^{4} - 5880Y^{6} + 630X^{4} + 12600X^{4}Y^{2} + 37800X^{2}Y^{4} - 12600X^{4}Y^{4} - 12600
 \frac{\delta Z_{13}^{-3}}{\delta x} = \sqrt{28} [3861X^{12} + 54054X^{10}Y^2 + 160875X^8Y^4 + 180180X^6Y^6 + 57915X^4Y^8 - 28314X^2Y^{10} - 16731Y^{12} - 11880X^{10} - 130680X^8Y^2 - 277200X^6Y^4 - 166320X^4Y^6 + 180180X^6Y^6 + 180180X^6 + 1
 35640X^2Y^8 + 43560Y^{10} + 13860X^8 + 110880X^6Y^2 + 138600X^4Y^4 - 41580Y^8 - 7560X^6 - 37800X^4Y^2 - 12600X^2Y^4 + 17640Y^6 + 1890X^4 + 3780X^2Y^2 - 3150Y^4 - 168X^2 + 168Y^2]
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\frac{\delta Z_{13}^{-1}}{\delta u} = \sqrt{28} [1716X^{12} + 30888X^{10}Y^2 + 128700X^8Y^4 + 240240X^6Y^6 + 231660X^4Y^8 + 113256X^2Y^{10} + 22308Y^{12} - 5544X^{10} - 83160X^8Y^2 - 277200X^6Y^4 - 388080X^4Y^6 - 277200X^6Y^4 - 388080X^4Y^6 - 277200X^6Y^4 - 388080X^4Y^6 - 277200X^6Y^4 - 277200X^6Y^6 - 277200X^6 - 27720X^6 - 27720X^6 - 27720X^6 - 27720X^6 - 27720X^6
 249480X^{2}Y^{8} - 60984Y^{10} + 6930X^{8} + 83160X^{6}Y^{2} + 207900X^{4}Y^{4} + 194040X^{2}Y^{6} + 62370Y^{8} - 4200X^{6} - 37800X^{4}Y^{2} - 63000X^{2}Y^{4} - 29400Y^{6} + 1260X^{4} + 7560X^{2}Y^{2} + 6300Y^{4} - 1260X^{4} + 1260
168X^2 - 504Y^2 + 7
 \frac{\delta Z_{13}^2}{\delta v} = \sqrt{28} [20592X^{11}Y^1 + 102960X^9Y^3 + 205920X^7Y^5 + 205920X^5Y^7 + 102960X^3Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 20592X^1Y^{11} - 55440X^9Y^1 - 221760X^7Y^3 - 332640X^5Y^5 - 221760X^3Y^7 - 55440X^1Y^9 + 20592X^1Y^7 - 20572X^1Y - 20572X^1Y^7 - 20572X^1Y^7 - 20572X^1Y^7 - 20572X^
 55440X^{7}Y^{1} + 166320X^{5}Y^{3} + 166320X^{3}Y^{5} + 55440X^{1}Y^{7} - 25200X^{5}Y^{1} - 50400X^{3}Y^{3} - 25200X^{1}Y^{5} + 5040X^{3}Y^{1} + 5040X^{1}Y^{3} - 336X^{1}Y^{1}]
 \frac{\delta Z_{13}^3}{\delta n} = \sqrt{28} [5148X^{11}Y^1 - 25740X^9Y^3 - 154440X^7Y^5 - 257400X^5Y^7 - 180180X^3Y^9 - 46332X^1Y^{11} - 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 - 46332X^1Y^{11} - 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 - 46332X^1Y^{11} - 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 - 46332X^1Y^{11} - 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 - 46332X^1Y^{11} - 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 - 46332X^1Y^{11} + 7920X^9Y^1 + 95040X^7Y^3 + 332640X^5Y^5 + 348480X^3Y^7 + 118800X^1Y^9 + 348480X^1Y^7 + 118800X^1Y^9 + 348480X^1Y^7 + 118800X^1Y^9 + 348480X^1Y^7 + 348480X^1Y^7
\frac{110880X^5Y^3 - 221760X^3Y^5 - 110880X^1Y^7 + 5040X^5Y^1 + 50400X^3Y^3 + 45360X^1Y^5 - 2520X^3Y^1 - 7560X^1Y^3 + 336X^1Y^1]}{10880X^5Y^3 - 221760X^3Y^5 - 110880X^1Y^7 + 5040X^5Y^1 + 50400X^3Y^3 + 45360X^1Y^5 - 2520X^3Y^1 - 7560X^1Y^3 + 336X^1Y^1]}
 \frac{\delta Z_{13}^5}{\delta u} = \sqrt{28} [8580X^{11}Y^1 - 82940X^9Y^3 - 154440X^7Y^5 - 51480X^5Y^7 + 71500X^3Y^9 + 42900X^1Y^{11} + 27720X^9Y^1 + 174240X^7Y^3 + 166320X^5Y^5 - 79200X^3Y^7 - 99000X^1Y^9 - 12440X^7Y^3 + 12440X
31680X^{7}Y^{1} - 110880X^{5}Y^{3} + 79200X^{1}Y^{7} + 15120X^{5}Y^{1} + 16800X^{3}Y^{3} - 25200X^{1}Y^{5} - 2520X^{3}Y^{1} + 2520X^{1}Y^{3}
 \frac{\delta Z_{13}^7}{\delta u} = \sqrt{28} [10296X^{11}Y^1 - 28600X^9Y^3 + 61776X^7Y^5 + 144144X^5Y^7 + 40040X^3Y^9 - 24024X^1Y^{11} + 25080X^9Y^1 + 15840X^7Y^3 - 166320X^5Y^5 - 110880X^3Y^7 + 46200X^1Y^9 - 124024X^1Y^{11} + 25080X^9Y^1 + 15840X^7Y^3 - 166320X^5Y^5 - 110880X^3Y^7 + 46200X^1Y^9 - 124024X^1Y^{11} + 25080X^9Y^1 + 15840X^7Y^3 - 166320X^5Y^5 - 110880X^3Y^7 + 46200X^1Y^9 - 124024X^1Y^{11} + 25080X^9Y^1 + 15840X^7Y^3 - 166320X^5Y^5 - 110880X^3Y^7 + 46200X^1Y^9 - 124024X^1Y^{11} + 25080X^9Y^1 + 15840X^7Y^3 - 166320X^5Y^5 - 110880X^3Y^7 + 46200X^1Y^9 - 124024X^1Y^7 + 124040X^3Y^9 - 124024X^1Y^7 + 124040X^7 + 124040X^
19800X^{7}Y^{1} + 27720X^{5}Y^{3} + 83160X^{3}Y^{5} - 27720X^{1}Y^{7} + 5040X^{5}Y^{1} - 16800X^{3}Y^{3} + 5040X^{1}Y^{5}
 \frac{\delta Z_{13}^9}{\delta u} = \sqrt{28} \left[ 5304X^{11}Y^1 + 17160X^9Y^3 + 61776X^7Y^5 - 20592X^5Y^7 - 51480X^3Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^{11} + 9240X^9Y^1 - 47520X^7Y^3 - 33264X^5Y^5 + 79200X^3Y^7 - 11880X^1Y^9 + 8424X^1Y^1 + 9240X^1Y^7 - 11880X^1Y^9 + 8424X^1Y^1 + 9240X^1Y^7 - 11880X^1Y^9 + 8424X^1Y^1 + 9240X^1Y^7 - 11880X^1Y^7 - 11880X^1Y^9 + 8424X^1Y^1 + 9240X^1Y^1 - 11880X^1Y^9 + 8424X^1Y^1 - 11880X^1Y^9 + 8424X^1Y^1 - 11880X^1Y^9 + 8424X^1Y^1 + 9240X^1Y^1 - 11880X^1Y^1 - 1
39\overline{60}X^7Y^1 + 27720X^5Y^3 - 27720X^3Y^5 + 3960X^1Y^7]
  \frac{\delta Z_{13}^{11}}{\delta u} = \sqrt{28} \left[1404X^{11}Y^1 + 14300X^9Y^3 - 10296X^7Y^5 - 30888X^5Y^7 + 20020X^3Y^9 - 1716X^1Y^{11} + 1320X^9Y^1 - 15840X^7Y^3 + 33264X^5Y^5 - 15840X^3Y^7 + 1320X^1Y^9\right]
  \frac{\delta Z_{13}^{13}}{\delta u} = \sqrt{28} \left[ 156X^{11}Y^1 + 2860X^9Y^3 - 10296X^7Y^5 + 10296X^5Y^7 - 2860X^3Y^9 + 156X^1Y^{11} \right]
 \frac{\delta Z_{14}^{-14}}{\delta u} = \sqrt{30} \left[ 14X^{13} - 1092X^{11}Y^2 + 10010X^9Y^4 - 24024X^7Y^6 + 18018X^5Y^8 - 4004X^3Y^{10} + 182X^1Y^{12} \right]
 \frac{\delta Z_{14}^{-12}}{\delta u} = \sqrt{30} [168X^{13} - 8736X^{11}Y^2 + 40040X^9Y^4 - 72072X^5Y^8 + 32032X^3Y^{10} - 2184X^1Y^{12} - 156X^{11} + 8580X^9Y^2 - 51480X^7Y^4 + 72072X^5Y^6 - 25740X^3Y^8 + 1716X^1Y^{10}]
  \frac{\delta Z_{14}^{-10}}{\delta u} = \sqrt{30} [910X^{13} - 27300X^{11}Y^2 + 10010X^9Y^4 + 168168X^7Y^6 + 18018X^5Y^8 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^5Y^8 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^5Y^8 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^5Y^8 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^5Y^8 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^7Y^6 + 18018X^7Y^6 - 100100X^3Y^{10} + 11830X^1Y^{12} - 1560X^{11} + 51480X^9Y^2 - 102960X^7Y^4 - 144144X^5Y^6 + 18018X^7Y^6 - 100100X^3Y^7 - 100100X^7Y^7 - 100100X^7 - 
15\overline{4440}X^{3}Y^{8} - 17160X^{1}Y^{10} + 660X^{9} - 23760X^{7}Y^{2} + 83160X^{5}Y^{4} - 55440X^{3}Y^{6} + 5940X^{1}Y^{8}]
 \frac{\delta Z_{14}^{-8}}{\frac{\delta Z_{14}}{\delta A_t}} = \sqrt{30}[2912X^{13} - 34944X^{11}Y^2 - 160160X^9Y^4 + 288288X^5Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^2 + 205920X^7Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^2 + 205920X^7Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^2 + 205920X^7Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{12} - 6864X^{11} + 102960X^9Y^4 - 288288X^5Y^6 - 308880X^3Y^8 + 128128X^3Y^{10} - 37856X^1Y^{10} - 37856X^1Y
 75504X^{1}Y^{10} + 5280X^{9} - 95040X^{7}Y^{2} + 221760X^{3}Y^{6} - 47520X^{1}Y^{8} - 1320X^{7} + 27720X^{5}Y^{2} - 46200X^{3}Y^{4} + 9240X^{1}Y^{6}
 \frac{\delta Z_{14}^{-6}}{\delta x_t} = \sqrt{30} \left[6006X^{13} + 12012X^{11}Y^2 - 190190X^9Y^4 - 504504X^7Y^6 - 342342X^5Y^8 + 44044X^3Y^{10} + 78078X^1Y^{12} - 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} - 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} - 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} - 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} - 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} + 17160X^{11} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 44044X^3Y^{10} + 78078X^1Y^{12} + 17160X^9Y^2 + 514800X^7Y^4 + 720720X^5Y^6 + 17160X^9Y^2 + 17160X^9 
 51480X^{3}Y^{8} - 188760X^{1}Y^{10} + 17820X^{9} - 71280X^{7}Y^{2} - 415800X^{5}Y^{4} - 166320X^{3}Y^{6} + 160380X^{1}Y^{8} - 7920X^{7} + 55440X^{5}Y^{2} + 92400X^{3}Y^{4} - 55440X^{1}Y^{6} + 1260X^{5} - 12600X^{3}Y^{2} + 1260X^{2}Y^{2} + 126
6300X^{1}Y^{4}]
  \frac{\delta Z_{14}^{-4}}{\delta y} = \sqrt{30} [8008X^{13} + 96096X^{11}Y^2 + 200200X^9Y^4 - 360360X^5Y^8 - 352352X^3Y^{10} - 104104X^1Y^{12} - 25740X^{11} - 231660X^9Y^2 - 257400X^7Y^4 + 360360X^5Y^6 + 694980X^3Y^8 + 200200X^2Y^4 - 360360X^5Y^6 - 352352X^3Y^{10} - 104104X^1Y^{12} - 25740X^{11} - 231660X^9Y^2 - 257400X^7Y^4 + 360360X^5Y^6 + 694980X^3Y^8 + 20020X^2Y^4 - 360360X^5Y^6 - 360360X^5
 283140X^{1}Y^{10} + 31680X^{9} + 190080X^{7}Y^{2} - 443520X^{3}Y^{6} - 285120X^{1}Y^{8} - 18480X^{7} - 55440X^{5}Y^{2} + 92400X^{3}Y^{4} + 129360X^{1}Y^{6} + 5040X^{5} - 25200X^{1}Y^{4} - 504X^{3} + 1512X^{1}Y^{2} + 1200X^{2}Y^{2} + 1200X^{2}
  \frac{\delta Z_{14}^{-2}}{\delta u} = \sqrt{30} [6006X^{13} + 108108X^{11}Y^2 + 450450X^9Y^4 + 840840X^7Y^6 + 810810X^5Y^8 + 396396X^3Y^{10} + 78078X^1Y^{12} - 20592X^{11} - 308880X^9Y^2 - 1029600X^7Y^4 - 1441440X^5Y^6 - 10000X^2Y^4 - 10000X^
926640X^{3}Y^{8} - 226512X^{1}Y^{10} + 27720X^{9} + 332640X^{7}Y^{2} + 831600X^{5}Y^{4} + 776160X^{3}Y^{6} + 249480X^{1}Y^{8} - 18480X^{7} - 166320X^{5}Y^{2} - 277200X^{3}Y^{4} - 129360X^{1}Y^{6} + 6300X^{5} + 249480X^{1}Y^{8} - 18480X^{7} - 166320X^{5}Y^{2} - 277200X^{3}Y^{4} - 129360X^{1}Y^{6} + 6300X^{5} + 249480X^{1}Y^{8} - 18480X^{7} - 166320X^{5}Y^{2} - 277200X^{3}Y^{4} - 129360X^{1}Y^{6} + 6300X^{5} + 249480X^{1}Y^{8} - 18480X^{7} - 166320X^{5}Y^{2} - 277200X^{3}Y^{4} - 129360X^{1}Y^{6} + 6300X^{5} + 249480X^{1}Y^{6} - 18480X^{7} - 166320X^{5}Y^{2} - 277200X^{3}Y^{4} - 129360X^{1}Y^{6} + 6300X^{5} + 249480X^{1}Y^{6} - 18480X^{7} - 18480X^
37800X^{3}Y^{2} + 31500X^{1}Y^{4} - 1008X^{3} - 3024X^{1}Y^{2} + 56X^{1}
 \frac{\delta Z_{14}^0}{\delta u} = \sqrt{15} [48048X^{12}Y^1 + 288288X^{10}Y^3 + 720720X^8Y^5 + 960960X^6Y^7 + 720720X^4Y^9 + 288288X^2Y^{11} + 48048Y^{13} - 144144X^{10}Y^1 - 720720X^8Y^3 - 1441440X^6Y^5 - 144144X^2Y^2 + 28828X^2Y^2 + 144144X^2Y^2 + 144144X^2 + 14414X^2 + 144144X^2 + 144
1441440X^{4}Y^{7} - 720720X^{2}Y^{9} - 144144Y^{11} + 166320X^{8}Y^{1} + 665280X^{6}Y^{3} + 997920X^{4}Y^{5} + 665280X^{2}Y^{7} + 166320Y^{9} - 92400X^{6}Y^{1} - 277200X^{4}Y^{3} - 277200X^{2}Y^{5} - 92400Y^{7} + 1200X^{2}Y^{5} - 1200X^{2}Y^{
 25200X^4Y^1 + 50400X^2Y^3 + 25200Y^5 - 3024X^2Y^1 - 3024Y^3 + 112Y^1]
  \frac{\delta Z_{14}^2}{\delta u} = \sqrt{30} [30030X^{12}Y^1 + 108108X^{10}Y^3 + 90090X^8Y^5 - 120120X^6Y^7 - 270270X^4Y^9 - 180180X^2Y^{11} - 42042Y^{13} - 82368X^{10}Y^1 - 205920X^8Y^3 + 411840X^4Y^7 + 411840X^2Y^9 
\frac{123552Y^{11} + 83160X^8Y^1 + 110880X^6Y^3 - 166320X^4Y^5 - 332640X^2Y^7 - 138600Y^9 - 36960X^6Y^1 + 110880X^2Y^5 + 73920Y^7 + 6300X^4Y^1 - 12600X^2Y^3 - 18900Y^5 + 2016Y^3 - 56Y^1]}{123552Y^{11} + 83160X^8Y^1 + 110880X^6Y^3 - 166320X^4Y^5 - 332640X^2Y^7 - 138600Y^9 - 36960X^6Y^1 + 110880X^2Y^5 + 73920Y^7 + 6300X^4Y^1 - 12600X^2Y^3 - 18900Y^5 + 2016Y^3 - 56Y^1]}
  \frac{\delta Z_{14}^*}{\delta u} = \sqrt{30} [4004X^{12}Y^1 - 152152X^{10}Y^3 - 540540X^8Y^5 - 720720X^6Y^7 - 380380X^4Y^9 - 24024X^2Y^{11} + 28028Y^{13} + 25740X^{10}Y^1 + 437580X^8Y^3 + 1081080X^6Y^5 + 875160X^4Y^7 + 24024X^2Y^{11} + 24024X^
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128700X^2Y^9 - 77220Y^{11} - 47520X^8Y^1 - 443520X^6Y^3 - 665280X^4Y^5 - 190080X^2Y^7 + 79200Y^9 + 36960X^6Y^1 + 184800X^4Y^3 + 110880X^2Y^5 - 36960Y^7 - 12600X^4Y^1 - 12600X^4Y^2 - 12600X^4Y^3 - 
   25200X^2Y^3 + 7560Y^5 + 1512X^2Y^1 - 504Y^3]
    \frac{\delta Z_{14}^6}{\delta u} = \sqrt{30}[22022X^{12}Y^1 - 156156X^{10}Y^3 - 162162X^8Y^5 + 216216X^6Y^7 + 390390X^4Y^9 + 132132X^2Y^{11} - 14014Y^{13} + 68640X^{10}Y^1 + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{13} + 68640X^{10}Y^1 + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{13} + 68640X^{10}Y^1 + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{13} + 68640X^{10}Y^1 + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{13} + 68640X^{10}Y^1 + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{11} + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^{11} - 14014Y^{11} + 308880X^8Y^3 - 617760X^4Y^7 - 343200X^2Y^9 + 132132X^2Y^7 - 34320X^2Y^7 - 3432X^2Y^7 - 342X^2Y^7 - 342X^2Y^7 - 342X^2Y^7 - 342X^2Y^7 - 342X^2Y^7 - 342
 34320Y^{11} - 77220X^8Y^1 - 166320X^6Y^3 + 249480X^4Y^5 + 308880X^2Y^7 - 29700Y^9 + 36960X^6Y^1 - 110880X^2Y^5 + 10560Y^7 - 6300X^4Y^1 + 12600X^2Y^3 - 1260Y^5]
    \frac{\delta Z_{14}^8}{\delta u} = \sqrt{30} [18200X^{12}Y^1 - 16016X^{10}Y^3 + 216216X^8Y^5 + 288288X^6Y^7 - 40040X^4Y^9 - 109200X^2Y^{11} + 5096Y^{13} + 44616X^{10}Y^1 - 51480X^8Y^3 - 432432X^6Y^5 - 102960X^4Y^7 + 10000X^2Y^{11} + 10000X^2Y^
   223080X^{2}Y^{9} - 10296Y^{11} - 35640X^{8}Y^{1} + 110880X^{6}Y^{3} + 166320X^{4}Y^{5} - 142560X^{2}Y^{7} + 6600Y^{9} + 9240X^{6}Y^{1} - 46200X^{4}Y^{3} + 27720X^{2}Y^{5} - 1320Y^{7} + 1220X^{2}Y^{5} + 1220X^
    \frac{\delta Z_{14}^{10}}{\delta u} = \sqrt{30} [7826X^{12}Y^1 + 44044X^{10}Y^3 + 90090X^8Y^5 - 120120X^6Y^7 - 110110X^4Y^9 + 46956X^2Y^{11} - 1274Y^{13} + 13728X^{10}Y^1 - 102960X^8Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{13} + 13728X^{10}Y^1 - 102960X^8Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{13} + 13728X^{10}Y^1 - 102960X^8Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{13} + 13728X^{10}Y^1 - 102960X^8Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{13} + 13728X^{10}Y^1 - 102960X^8Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^3 + 205920X^4Y^7 - 68640X^2Y^9 + 46956X^2Y^{11} - 1274Y^{11} + 44044X^{10}Y^7 + 4404X^{10}Y^7 + 44044X^{10}Y^7 + 4404X^{10}Y^7 + 440
 1872Y^{11} - 5940X^8Y^1 + 55440X^6Y^3 - 83160X^4Y^5 + 23760X^2Y^7 - 660Y^9
    \frac{\delta Z_{14}^{12}}{\delta u} = \sqrt{30} [1820X^{12}Y^1 + 24024X^{10}Y^3 - 36036X^8Y^5 - 48048X^6Y^7 + 60060X^4Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^{11} + 196Y^{13} + 1716X^{10}Y^1 - 25740X^8Y^3 + 72072X^6Y^5 - 51480X^4Y^7 + 8580X^2Y^9 - 10920X^2Y^7 + 10920X^2
156Y^{11}
    \frac{\delta Z_{14}^{14}}{\delta u} = \sqrt{30} \left[ 182X^{12}Y^1 + 4004X^{10}Y^3 - 18018X^8Y^5 + 24024X^6Y^7 - 10010X^4Y^9 + 1092X^2Y^{11} - 14Y^{13} \right]
    \frac{\delta Z_{15}^{-15}}{\delta u} = \sqrt{32} \left[ 15X^{14} - 1365X^{12}Y^2 + 15015X^{10}Y^4 - 45045X^8Y^6 + 45045X^6Y^8 - 15015X^4Y^{10} + 1365X^2Y^{12} - 15Y^{14} \right]
    \frac{\delta Z_{1.5}^{-1.3}}{\delta u} = \sqrt{32} [195X^{14} - 12285X^{12}Y^2 + 75075X^{10}Y^4 - 45045X^8Y^6 - 135135X^6Y^8 + 105105X^4Y^{10} - 15015X^2Y^{12} + 225Y^{14} - 182X^{12} + 12012X^{10}Y^2 - 90090X^8Y^4 + 168168X^6Y^6 - 12012X^2Y^2 + 12012X^2Y^2 - 12012X^2 - 12012X^2 - 12012X^2 - 12012X^2 - 12012X^2 - 12012X^2 - 
 90090X^4Y^8 + 12012X^2Y^{10} - 182Y^{12}
    \frac{\delta Z_{15}^{-11}}{\delta y} = \sqrt{32} [1155X^{14} - 45045X^{12}Y^2 + 75075X^{10}Y^4 + 315315X^8Y^6 - 135135X^6Y^8 - 255255X^4Y^{10} + 72345X^2Y^{12} - 1575Y^{14} - 2002X^{12} + 84084X^{10}Y^2 - 270270X^8Y^4 - 12002X^{12} + 84084X^{10}Y^2 - 270270X^8Y^4 - 12002X^{12} + 1200
 \frac{168168X^{6}Y^{6} + 450450X^{4}Y^{8} - 108108X^{2}Y^{10} + 2366Y^{12} + 858X^{10} - 38610X^{8}Y^{2} + 180180X^{6}Y^{4} - 180180X^{4}Y^{6} + 38610X^{2}Y^{8} - 858Y^{10}]}{168168X^{6}Y^{6} + 450450X^{4}Y^{8} - 108108X^{2}Y^{10} + 2366Y^{12} + 858X^{10} - 38610X^{8}Y^{2} + 180180X^{6}Y^{4} - 180180X^{4}Y^{6} + 38610X^{2}Y^{8} - 858Y^{10}]}
    \frac{\delta Z_{15}^{-9}}{\delta u} = \sqrt{32} [4095X^{14} - 77805X^{12}Y^2 - 225225X^{10}Y^4 + 315315X^8Y^6 + 765765X^6Y^8 + 105105X^4Y^{10} - 195195X^2Y^{12} + 6825Y^{14} - 9828X^{12} + 216216X^{10}Y^2 + 180180X^8Y^4 - 195195X^2Y^{10} + 1951
 \frac{^{oy}}{1009008X^6Y^6} - 540540X^4Y^8 + 408408X^2Y^{10} - 14196Y^{12} + 7722X^{10} - 193050X^8Y^2 + 180180X^6Y^4 + 540540X^4Y^6 - 270270X^2Y^8 + 9438Y^{10} - 1980X^8 + 55440X^6Y^2 - 1980X^6Y^2 + 180180X^6Y^4 + 1980X^6Y^4 + 1980X^6Y^6 + 1980X
   138600X^4Y^4 + 55440X^2Y^6 - 1980Y^8
    \frac{\delta Z_{15}^{-7}}{\delta u} = \sqrt{32} [9555X^{14} - 28665X^{12}Y^2 - 525525X^{10}Y^4 - 945945X^8Y^6 - 135135X^6Y^8 + 645645X^4Y^{10} + 301665X^2Y^{12} - 20475Y^{14} - 28028X^{12} + 168168X^{10}Y^2 + 1261260X^8Y^4 + 1261260X^8 + 1261260X
 1009008X^{6}Y^{6} - 900900X^{4}Y^{8} - 792792X^{2}Y^{10} + 52052Y^{12} + 30030X^{10} - 270270X^{8}Y^{2} - 900900X^{6}Y^{4} + 180180X^{4}Y^{6} + 733590X^{2}Y^{8} - 47190Y^{10} - 13860X^{8} + 166320X^{6}Y^{2} + 12000X^{2}Y^{2} +
 138600X^{4}Y^{4} - 277200X^{2}Y^{6} + 17820Y^{8} + 2310X^{6} - 34650X^{4}Y^{2} + 34650X^{2}Y^{4} - 2310Y^{6}
   \frac{\delta Z_{15}^{-5}}{\frac{\delta Z_{15}}{\delta x}} = \sqrt{32} [15015X^{14} + 135135X^{12}Y^2 + 15015X^{10}Y^4 - 945945X^8Y^6 - 1756755X^6Y^8 - 1156155X^4Y^{10} - 195195X^2Y^{12} + 45045Y^{14} - 50050X^{12} - 300300X^{10}Y^2 + 450450X^8Y^4 + 125015X^2Y^{12} + 45045Y^{13} - 125015X^2Y^2 + 125015X^2 +
   25\tilde{2}2520X^{6}Y^{6} + 2612610X^{4}Y^{8} + 660660X^{2}Y^{10} - 130130Y^{12} + 64350X^{10} + 193050X^{8}Y^{2} - 900900X^{6}Y^{4} - 1981980X^{4}Y^{6} - 810810X^{2}Y^{8} + 141570Y^{10} - 39600X^{8} + 554400X^{4}Y^{4} + 12010X^{2}Y^{2} + 12010X^{2}
 443520X^2Y^6 - 71280Y^8 + 11550X^6 - 34650X^4Y^2 - 103950X^2Y^4 + 16170Y^6 - 1260X^4 + 7560X^2Y^2 - 1260Y^4]
    \frac{\delta Z_{15}^{-3}}{\delta u} = \sqrt{32} [15015X^{14} + 255255X^{12}Y^2 + 975975X^{10}Y^4 + 1576575X^8Y^6 + 1126125X^6Y^8 + 165165X^4Y^{10} - 195195X^2Y^{12} - 75075Y^{14} - 54054X^{12} - 756756X^{10}Y^2 - 2252250X^8Y^4 - 1126125X^6Y^8 + 165165X^4Y^{10} - 195195X^2Y^{12} - 75075Y^{14} - 54054X^{12} - 756756X^{10}Y^2 - 2252250X^8Y^4 - 1126125X^6Y^8 + 165165X^4Y^{10} - 195195X^2Y^{12} - 75075Y^{14} - 54054X^{12} - 756756X^{10}Y^2 - 2252250X^8Y^4 - 1126125X^6Y^8 + 11261
   2522520X^{6}Y^{6} - 810810X^{4}Y^{8} + 396396X^{2}Y^{10} + 234234Y^{12} + 77220X^{10} + 849420X^{8}Y^{2} + 1801800X^{6}Y^{4} + 1081080X^{4}Y^{6} - 231660X^{2}Y^{8} - 283140Y^{10} - 55440X^{8} - 443520X^{6}Y^{2} - 283140Y^{10} - 55440X^{8} - 243520X^{6}Y^{2} 
 554400X^4Y^4 + 166320Y^8 + 20790X^6 + 103950X^4Y^2 + 34650X^2Y^4 - 48510Y^6 - 3780X^4 - 7560X^2Y^2 + 6300Y^4 + 252X^2 - 252Y^2 
   \frac{\delta Z_{15}^{-1}}{\delta x_t} = \sqrt{32} [6435X^{14} + 135135X^{12}Y^2 + 675675X^{10}Y^4 + 1576575X^8Y^6 + 2027025X^6Y^8 + 1486485X^4Y^{10} + 585585X^2Y^{12} + 96525Y^{14} - 24024X^{12} - 432432X^{10}Y^2 - 1801800X^8Y^4 - 120180X^2Y^4 + 1
   3363360X^{6}Y^{6} - 3243240X^{4}Y^{8} - 1585584X^{2}Y^{10} - 312312Y^{12} + 36036X^{10} + 540540X^{8}Y^{2} + 1801800X^{6}Y^{4} + 2522520X^{4}Y^{6} + 1621620X^{2}Y^{8} + 396396Y^{10} - 27720X^{8} - 332640X^{6}Y^{2} - 12012Y^{10} + 12012Y^{
    831600X^4Y^4 - 776160X^2Y^6 - 249480Y^8 + 11550X^6 + 103950X^4Y^2 + 173250X^2Y^4 + 80850Y^6 - 2520X^4 - 15120X^2Y^2 - 12600Y^4 + 252X^2 + 756Y^2 - 8
   2882880X^{5}Y^{7} - 1441440X^{3}Y^{9} - 288288X^{1}Y^{11} + 360360X^{9}Y^{1} + 1441440X^{7}Y^{3} + 2162160X^{5}Y^{5} + 1441440X^{3}Y^{7} + 360360X^{1}Y^{9} - 221760X^{7}Y^{1} - 665280X^{5}Y^{3} - 665280X^{3}Y^{5} - 1441440X^{3}Y^{7} + 360360X^{1}Y^{9} - 221760X^{7}Y^{1} - 665280X^{5}Y^{3} - 665280X^{3}Y^{5} - 1441440X^{3}Y^{7} + 360360X^{1}Y^{9} - 221760X^{7}Y^{1} - 665280X^{5}Y^{3} - 665280X^{3}Y^{5} - 1441440X^{3}Y^{7} + 360360X^{7}Y^{1} - 665280X^{5}Y^{3} - 665280X^{5}Y^{5} - 1441440X^{5}Y^{5} + 14414440X^{5}Y^{5} + 144
   221760X^{1}Y^{7} + 69300X^{5}Y^{1} + 138600X^{3}Y^{3} + 69300X^{1}Y^{5} - 10080X^{3}Y^{1} - 10080X^{1}Y^{3} + 504X^{1}Y^{1}]
    \frac{\delta Z_{15}^2}{\delta u} = \sqrt{32} [30030X^{13}Y^1 - 60060X^{11}Y^3 - 750750X^9Y^5 - 1801800X^7Y^7 - 1951950X^5Y^9 - 1021020X^3Y^{11} - 210210X^1Y^{13} - 72072X^{11}Y^1 + 360360X^9Y^3 + 2162160X^7Y^5 + 1201020X^3Y^{11} - 210210X^2Y^{11}Y^2 - 1201020X^3Y^2 - 1201020X^2 - 1
   3603600X^5Y^7 + 2522520X^3Y^9 + 648648X^1Y^{11} + 51480X^9Y^1 - 617760X^7Y^3 - 2162160X^5Y^5 - 2265120X^3Y^7 - 772200X^1Y^9 + 443520X^5Y^3 + 887040X^3Y^5 + 443520X^1Y^7 - 772200X^2Y^3 + 887040X^3Y^5 + 443520X^2Y^7 - 772200X^2Y^7 + 2162160X^2Y^7 - 772200X^2Y^7 - 772200X^2 - 772200X^2 - 772200X^2 - 772200X^2 - 772200X^2 - 772200X^2 - 
   13860X^{5}Y^{1} - 138600X^{3}Y^{3} - 124740X^{1}Y^{5} + 5040X^{3}Y^{1} + 15120X^{1}Y^{3} - 504X^{1}Y^{1}
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- $\frac{\delta Z_{15}^{5}}{\delta y} = \sqrt{32} [30030X^{13}Y^{1} 420420X^{11}Y^{3} 1171170X^{9}Y^{5} 1081080X^{7}Y^{7} + 30030X^{5}Y^{9} + 540540X^{3}Y^{11} + 210210X^{1}Y^{13} + 120120X^{11}Y^{1} + 1161160X^{9}Y^{3} + 2162160X^{7}Y^{5} + 720720X^{5}Y^{7} 1001000X^{3}Y^{9} 600600X^{1}Y^{11} 180180X^{9}Y^{1} 1132560X^{7}Y^{3} 1081080X^{5}Y^{5} + 514800X^{3}Y^{7} + 643500X^{1}Y^{9} + 126720X^{7}Y^{1} + 443520X^{5}Y^{3} 316800X^{1}Y^{7} 41580X^{5}Y^{1} 46200X^{3}Y^{3} + 69300X^{1}Y^{5} + 5040X^{3}Y^{1} 5040X^{1}Y^{3}]$
- $\frac{\delta Z_{15}^{7}}{\delta y} = \sqrt{32} [46410X^{13}Y^{1} 234780X^{11}Y^{3} + 90090X^{9}Y^{5} + 1081080X^{7}Y^{7} + 1051050X^{5}Y^{9} + 114660X^{3}Y^{11} 133770X^{1}Y^{13} + 144144X^{11}Y^{1} + 400400X^{9}Y^{3} 864864X^{7}Y^{5} 2018016X^{5}Y^{7} 560560X^{3}Y^{9} + 336336X^{1}Y^{11} 163020X^{9}Y^{1} 102960X^{7}Y^{3} + 1081080X^{5}Y^{5} + 720720X^{3}Y^{7} 300300X^{1}Y^{9} + 79200X^{7}Y^{1} 110880X^{5}Y^{3} 332640X^{3}Y^{5} + 10880X^{1}Y^{7} 13860X^{5}Y^{1} + 46200X^{3}Y^{3} 13860X^{1}Y^{5}]$
- $\frac{\delta Z_{15}^9}{\delta y} = \sqrt{32} [30030X^{13}Y^1 + 38220X^{11}Y^3 + 510510X^9Y^5 + 360360X^7Y^7 450450X^5Y^9 311220X^3Y^{11} + 57330X^1Y^{13} + 74256X^{11}Y^1 240240X^9Y^3 864864X^7Y^5 + 288288X^5Y^7 + 720720X^3Y^9 117936X^1Y^{11} 60060X^9Y^1 + 308880X^7Y^3 + 216216X^5Y^5 514800X^3Y^7 + 77220X^1Y^9 + 15840X^7Y^1 110880X^5Y^3 + 110880X^3Y^5 15840X^1Y^7]$
- $\frac{\delta Z_{15}^{11}}{\delta y} = \sqrt{32}[11130X^{13}Y^1 + 92820X^{11}Y^3 + 90090X^9Y^5 360360X^7Y^7 150150X^5Y^9 + 180180X^3Y^{11} 16170X^1Y^{13} + 19656X^{11}Y^1 200200X^9Y^3 + 144144X^7Y^5 + 432432X^5Y^7 280280X^3Y^9 + 24024X^1Y^{11} 8580X^9Y^1 + 102960X^7Y^3 216216X^5Y^5 + 102960X^3Y^7 8580X^1Y^9]$
- $\frac{\delta Z_{15}^{13}}{\delta y} = \sqrt{32}[2310X^{13}Y^1 + 38220X^{11}Y^3 90090X^9Y^5 51480X^7Y^7 + 150150X^5Y^9 49140X^3Y^{11} + 2730X^1Y^{13} + 2184X^{11}Y^1 40040X^9Y^3 + 144144X^7Y^5 144144X^5Y^7 + 40040X^3Y^9 2184X^1Y^{11}]$
- $\frac{\delta Z_{15}^{15}}{\delta u} = \sqrt{32} [210X^{13}Y^1 + 5460X^{11}Y^3 30030X^9Y^5 + 51480X^7Y^7 30030X^5Y^9 + 5460X^3Y^{11} 210X^1Y^{13}]$