

Supplementary File S1

S1.1. Complete nonzero differential spectra of the characteristic-polynomial coefficients

Table S1. Complete nonzero spectra $P_q(\mathbf{k})$, $q = 1, \dots, 4$, for Example 1.

$\mathbf{k}=(k_1, k_2, k_3)$	$P_1(\mathbf{k})$	$P_2(\mathbf{k})$	$P_3(\mathbf{k})$	$P_4(\mathbf{k})$
(0,0,0)	-5-3i	4+15i	56-12i	-168i
(0,0,1)	0	0	70i	210
(0,1,0)	0	0	15i	52-7i
(1,0,0)	-1	7-3i	-42-40i	-48+98i
(0,1,1)	0	-2+3i	8-11i	-52+89i
(0,2,0)	-i	-3+4i	25	-13+4i
(1,0,1)	0	-5-i	18-16i	-105-60i
(1,1,0)	-2	10+51i	141-72i	-189+5i
(2,0,0)	-3i	-11+8i	23+4i	4-7i
(0,1,2)	0	0	-9+27i	25-100i
(0,2,1)	0	6+2i	-30-10i	15+8i
(0,3,0)	0	0	2i	7-2i
(1,0,2)	0	-2	6i	0
(1,1,1)	0	0	12-i	14-31i
(1,2,0)	0	-7	7+21i	-13-25i
(2,0,1)	0	0	1	0
(2,1,0)	0	2	-15-33i	-100-22i
(3,0,0)	0	3i	21+4i	-36i
(0,1,3)	0	0	-15-5i	50+50i
(0,2,2)	0	0	0	-5i
(0,3,1)	0	0	3+2i	-12-4i
(0,4,0)	0	0	0	-13i
(1,1,2)	0	0	-1	-37-14i
(1,2,1)	0	0	-5-2i	77-44i
(1,3,0)	0	2i	51-8i	-12-149i
(2,0,2)	0	1	-3i	0
(2,1,1)	0	0	14+4i	25-26i
(2,2,0)	0	-2	2-39i	-1+30i
(3,0,1)	0	0	-3+15i	45
(3,1,0)	0	6i	27-51i	-129-46i
(4,0,0)	0	0	0	3i
(0,4,1)	0	0	2-6i	-8+24i
(0,5,0)	0	0	0	2
(1,1,3)	0	0	-i	7-21i
(1,2,2)	0	0	-7+21i	7-21i
(1,4,0)	0	0	7i	21
(2,1,2)	0	0	4	95+26i

(2,2,1)	0	0	-15-25i	-109-21i
(2,3,0)	0	0	7	-7
(3,1,1)	0	0	0	-17-3i
(3,2,0)	0	0	-1	8+38i
(4,1,0)	0	0	-6i	-15-11i
(1,2,3)	0	0	0	-12-4i
(1,4,1)	0	0	0	-i
(2,1,3)	0	0	0	-16+48i
(2,2,2)	0	0	0	85-110i
(2,3,1)	0	0	0	3-9i
(2,4,0)	0	0	-i	-48+4i
(3,1,2)	0	0	-9	24i
(3,2,1)	0	0	0	15+25i
(3,3,0)	0	0	6	-7-9i
(4,1,1)	0	0	0	3-15i
(4,2,0)	0	0	-3i	-16+43i
(1,4,2)	0	0	0	21+7i
(2,2,3)	0	0	0	-1+24i
(2,4,1)	0	0	0	-25+15i
(2,5,0)	0	0	0	-7i
(3,2,2)	0	0	0	-2
(5,2,0)	0	0	0	3i
(2,2,4)	0	0	0	-21-7i
(4,2,2)	0	0	0	8
(4,4,0)	0	0	0	-3

S1.2. Symbolic entries of the inverse matrix for Example 1

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"x2*(-3*x1^4*x2 - 9i*x1^3 - 7i*x1^2*x2^2 - 5*x1^2*x2*x3*(5 - 3i) + 4*x1^2*x2*(-12 + i) + 3*x1^2*x3*(1 - 3i) + 7*x1*x2*x3^2*(3 + i) - i*x1*x2*x3 + 21*x1*x2 - 3*x1*(4 + 49i) + 2*x2^2 - 8*x2*x3*(1 - 3i) - 13i*x2 - 4*x3*(3 + i) + 7)/(-3*x1^5*x2^2 - 3i*x1^4*x2^4 + 8i*x1^4*x2^2*x3^2 - x1^4*x2^2*(43 + 16i) + 3*x1^4*x2*x3*(5 + i) + x1^4*x2*(11 - 15i) - 3*x1^4 + x1^3*x2^3*(9 - 7i) - 2i*x1^3*x2^2*x3^2 - 5*x1^3*x2^2*x3*(5 - 3i) - 2*x1^3*x2^2*(19 - 4i) - 24*x1^3*x2*x3^2 + x1^3*x2*x3*(3 - 17i) + x1^3*x2*(46 - 129i) + 45i*x1^3*x3 + 36*x1^3 + 7*x1^2*x2^5 - 5*x1^2*x2^4*x3*(3 + 5i) - 4*x1^2*x2^4*(1 + 12i) + 3*x1^2*x2^3*x3*(3 + i) - 7i*x1^2*x2^3 + 7*x1^2*x2^2*x3^4*(1 - 3i) - x1^2*x2^2*x3^3*(24 + i) + 5*x1^2*x2^2*x3^2*(22 + 17i) + x1^2*x2^2*x3*(21 - 109i) - x1^2*x2^2*(30 + i) - 16*x1^2*x2*x3^3*(3 + i) - x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(26 + 25i) + 2*x1^2*x2*(11 - 50i) + x1^2*(7 + 4i) - 7*x1*x2^4*x3^2*(1 - 3i) + x1*x2^4*x3 + 21i*x1*x2^4 + x1*x2^3*(149 - 12i) + 4*x1*x2^2*x3^3*(1 - 3i) + 7*x1*x2^2*x3^2*(3 + i) + 11*x1*x2^2*x3*(4 + 7i) + x1*x2^2*(25 - 13i) + 7*x1*x2*x3^3*(3 + i) + x1*x2*x3^2*(14 - 37i) + x1*x2*x3*(31 + 14i) - x1*x2*(5 + 189i) + 15*x1*x3*(4 - 7i) - 2*x1*(49 + 24i) + 2i*x2^5 - 8*x2^4*x3*(3 + i) + 13*x2^4 + 4*x2^3*x3*(1 - 3i) + x2^3*(2 + 7i) + 5*x2^2*x3^2 - x2^2*x3*(8 - 15i) - x2^2*(4 + 13i) - 50*x2*x3^3*(1 - i) + 25*x2*x3^2*(4 + i) - x2*x3*(89 + 52i) + x2*(7 + 52i) + 210i*x3 + 168)",

"(i*x1^3*x2^2*x3^2 + x1^3*x2^2*(-5 - 2i) + x1^3*x2 - 3*x1^2*x2*x3^2 - i*x1^2*x2*x3 + x1^2*x2*(6 - 15i) + x1*x2^2*x3^3*(-2 + 6i) + x1*x2^2*x3*(-26 - 27i) - 2*x1*x2^2 + x1*x2*x3^3*(-3 - i) + x1*x2*x3^2*(-5 + 15i) + x1*x2*x3*(-12 - 9i) + 15i*x1*x2 + 7*x1 + x2*x3^3*(15 + 5i) + x2*x3^2*(4 - 12i) + 15*x2*x3 - 12i*x2 - 105i*x3 - 84)/(3*x1^5*x2^2 + 3i*x1^4*x2^4 - 8i*x1^4*x2^2*x3^2 + x1^4*x2^2*(43 + 16i) + x1^4*x2*x3*(-15 - 3i) + x1^4*x2*(-11 + 15i) + 3*x1^4 + x1^3*x2^3*(-9 + 7i) + 2i*x1^3*x2^2*x3^2 + x1^3*x2^2*x3*(25 - 15i) + x1^3*x2^2*(38 - 8i) + 24*x1^3*x2*x3^2 + x1^3*x2*x3*(-3 + 17i) + x1^3*x2*(-46 + 129i) - 45i*x1^3*x3 - 36*x1^3 - 7*x1^2*x2^5 + x1^2*x2^4*x3*(15 + 25i) + x1^2*x2^4*(4 + 48i) + x1^2*x2^3*x3*(-9 - 3i) + 7i*x1^2*x2^3 + x1^2*x2^2*x3^4*(-7 + 21i) + x1^2*x2^2*x3^3*(24 + i) + x1^2*x2^2*x3^2*(-110 - 85i) + x1^2*x2^2*x3*(-21 + 109i) + x1^2*x2^2*(30 + i) + x1^2*x2*x3^3*(48 + 16i) + x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(-26 - 25i) + x1^2*x2*(-22 + 100i) + x1^2*(-7 - 4i) + x1*x2^4*x3^2*(7 - 21i) - x1*x2^4*x3 - 21i*x1*x2^4 + x1*x2^3*(-149 + 12i) + x1*x2^2*x3^3*(-4 + 12i) + x1*x2^2*x3^2*(-21 - 7i) + x1*x2^2*x3*(-44 - 77i) + x1*x2^2*(-25 + 13i) + x1*x2*x3^3*(-21 - 7i) + x1*x2*x3^2*(-14 + 37i) + x1*x2*x3*(-31 - 14i) + x1*x2*(5 + 189i) + x1*x3*(-60 + 105i) + x1*(98 + 48i) - 2i*x2^5 + x2^4*x3*(24 + 8i) - 13*x2^4 + x2^3*x3*(-4 + 12i) + x2^3*(-2 - 7i) - 5*x2^2*x3^2 + x2^2*x3*(8 - 15i) + x2^2*(4 + 13i) + x2*x3^3*(50 - 50i) + x2*x3^2*(-100 - 25i) + x2*x3*(89 + 52i) + x2*(-7 - 52i) - 210i*x3 - 168)",

"(-7i*x1^3*x2^2*x3^2 + x1^3*x2^2*(35 + 14i) - 15*x1^3*x2*x3 + x1^3*x2*(-7 + 6i) + 3*x1^3 + 21*x1^2*x2*x3^2 + 7i*x1^2*x2*x3 + x1^2*x2*(-42 + 105i) - 45i*x1^2*x3 - 36*x1^2 + 2*x1*x2^2*x3^2 + x1*x2^2*(-4 + 10i) + i*x1*x2*x3^2 + x1*x2*x3*(5 + 20i) + x1*x2*(3 - 6i) - 4i*x1 - 5i*x2*x3^2 - 4*x2*x3 - 60*x3 + 48i)/(3*x1^5*x2^2 + 3i*x1^4*x2^4 - 8i*x1^4*x2^2*x3^2 + x1^4*x2^2*(43 + 16i) + x1^4*x2*x3*(-15 - 3i) + x1^4*x2*(-11 + 15i) + 3*x1^4 + x1^3*x2^3*(-9 + 7i) + 2i*x1^3*x2^2*x3^2 + x1^3*x2^2*x3*(25 - 15i) + x1^3*x2^2*(38 - 8i) + 24*x1^3*x2*x3^2 + x1^3*x2*x3*(-3 + 17i) + x1^3*x2*(-46 + 129i) - 45i*x1^3*x3 - 36*x1^3 - 7*x1^2*x2^5 + x1^2*x2^4*x3*(15 + 25i) + x1^2*x2^4*(4 + 48i) + x1^2*x2^3*x3*(-9 - 3i) + 7i*x1^2*x2^3 + x1^2*x2^2*x3^4*(-7 + 21i) + x1^2*x2^2*x3^3*(24 + i) + x1^2*x2^2*x3^2*(-110 - 85i) + x1^2*x2^2*x3*(-21 + 109i) + x1^2*x2^2*(30 + i) + x1^2*x2*x3^3*(48 + 16i) + x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(-26 - 25i) + x1^2*x2*(-22 + 100i) + x1^2*(-7 - 4i) + x1*x2^4*x3^2*(7 - 21i) - x1*x2^4*x3 - 21i*x1*x2^4 + x1*x2^3*(-149 + 12i) + x1*x2^2*x3^3*(-4 + 12i) + x1*x2^2*x3^2*(-21 - 7i) + x1*x2^2*x3*(-44 - 77i) + x1*x2^2*(-25 + 13i) + x1*x2*x3^3*(-21 - 7i) + x1*x2*x3^2*(-14 + 37i) + x1*x2*x3*(-31 - 14i) + x1*x2*(5 + 189i) + x1*x3*(-60 + 105i) + x1*(98 + 48i) - 2i*x2^5 + x2^4*x3*(24 + 8i) - 13*x2^4 + x2^3*x3*(-4 + 12i) + x2^3*(-2 - 7i) - 5*x2^2*x3^2 +

$$x^2 \wedge^2 x^3 (8 - 15i) + x^2 \wedge^2 (4 + 13i) + x^2 x^3 \wedge^3 (50 - 50i) + x^2 x^3 \wedge^2 (-100 - 25i) + x^2 x^3 (89 + 52i) + x^2 (-7 - 52i) - 210i x^3 - 168)",$$

$$\begin{aligned} & "x^2 (3^*x^1 \wedge^4 + 7^*x^1 \wedge^2 x^2 x^3 \wedge^3 (-3 - i) + i^*x^1 \wedge^2 x^2 x^3 \wedge^2 + 7^*x^1 \wedge^2 x^2 x^3 (11 - 13i) + 5^*x^1 \wedge^2 x^2 (-1 + i) + \\ & x^1 \wedge^2 x^3 \wedge^2 (-15 + 45i) + 12^*x^1 \wedge^2 x^3 (3 + i) + x^1 \wedge^2 (49 - 4i) - 5i^*x^2 x^3 - 4^*x^2 + x^3 \wedge^2 (60 + 20i) - x^3 (19 + 48i) + \\ & 28i)/(-3^*x^1 \wedge^5 x^2 \wedge^2 - 3i^*x^1 \wedge^4 x^2 \wedge^4 + 8i^*x^1 \wedge^4 x^2 \wedge^2 x^3 \wedge^2 - x^1 \wedge^4 x^2 \wedge^2 (43 + 16i) + 3^*x^1 \wedge^4 x^2 x^3 (5 + i) + \\ & x^1 \wedge^4 x^2 (11 - 15i) - 3^*x^1 \wedge^4 + x^1 \wedge^3 x^2 \wedge^3 (9 - 7i) - 2i^*x^1 \wedge^3 x^2 \wedge^2 x^3 \wedge^2 - 5^*x^1 \wedge^3 x^2 \wedge^2 x^3 (5 - 3i) - \\ & 2^*x^1 \wedge^3 x^2 \wedge^2 (19 - 4i) - 24^*x^1 \wedge^3 x^2 x^3 \wedge^2 + x^1 \wedge^3 x^2 x^3 (3 - 17i) + x^1 \wedge^3 x^2 (46 - 129i) + 45i^*x^1 \wedge^3 x^3 + 36^*x^1 \wedge^3 \\ & + 7^*x^1 \wedge^2 x^2 \wedge^5 - 5^*x^1 \wedge^2 x^2 \wedge^4 x^3 (3 + 5i) - 4^*x^1 \wedge^2 x^2 \wedge^4 (1 + 12i) + 3^*x^1 \wedge^2 x^2 \wedge^3 x^3 (3 + i) - 7i^*x^1 \wedge^2 x^2 \wedge^3 + \\ & 7^*x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^4 (1 - 3i) - x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^3 (24 + i) + 5^*x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^2 (22 + 17i) + x^1 \wedge^2 x^2 \wedge^2 x^3 (21 - 109i) \\ & - x^1 \wedge^2 x^2 \wedge^2 (30 + i) - 16^*x^1 \wedge^2 x^2 x^3 \wedge^3 (3 + i) - x^1 \wedge^2 x^2 x^3 \wedge^2 (26 - 95i) + x^1 \wedge^2 x^2 x^3 (26 + 25i) + \\ & 2^*x^1 \wedge^2 x^2 (11 - 50i) + x^1 \wedge^2 (7 + 4i) - 7^*x^1 x^2 \wedge^4 x^3 \wedge^2 (1 - 3i) + x^1 x^2 \wedge^4 x^3 + 21i^*x^1 x^2 \wedge^4 + x^1 x^2 \wedge^3 (149 - 12i) \\ & + 4^*x^1 x^2 \wedge^2 x^3 \wedge^3 (1 - 3i) + 7^*x^1 x^2 \wedge^2 x^3 \wedge^2 (3 + i) + 11^*x^1 x^2 \wedge^2 x^3 (4 + 7i) + x^1 x^2 \wedge^2 (25 - 13i) + \\ & 7^*x^1 x^2 x^3 \wedge^3 (3 + i) + x^1 x^2 x^3 \wedge^2 (14 - 37i) + x^1 x^2 x^3 (31 + 14i) - x^1 x^2 (5 + 189i) + 15^*x^1 x^3 (4 - 7i) - \\ & 2^*x^1 (49 + 24i) + 2i^*x^2 \wedge^5 - 8^*x^2 \wedge^4 x^3 (3 + i) + 13^*x^2 \wedge^4 + 4^*x^2 \wedge^3 x^3 (1 - 3i) + x^2 \wedge^3 (2 + 7i) + 5^*x^2 \wedge^2 x^3 \wedge^2 - \\ & x^2 \wedge^2 x^3 (8 - 15i) - x^2 \wedge^2 (4 + 13i) - 50^*x^2 x^3 \wedge^3 (1 - i) + 25^*x^2 x^3 \wedge^2 (4 + i) - x^2 x^3 (89 + 52i) + x^2 (7 + 52i) + \\ & 210i^*x^3 + 168)" \end{aligned}$$

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$$\begin{aligned} & "x^2 (8i^*x^1 \wedge^3 x^2 - 2i^*x^1 \wedge^2 x^2 - 24^*x^1 \wedge^2 + 7^*x^1 x^2 x^3 \wedge^2 (1 - 3i) - x^1 x^2 x^3 (24 + i) - x^1 x^2 (2 - i) - x^1 x^3 (3 + \\ & i) + x^1 (6 - i) + 4^*x^2 x^3 (1 - 3i) + 2^*x^3 (3 + i))/(-3^*x^1 \wedge^5 x^2 \wedge^2 - 3i^*x^1 \wedge^4 x^2 \wedge^4 + 8i^*x^1 \wedge^4 x^2 \wedge^2 x^3 \wedge^2 - \\ & x^1 \wedge^4 x^2 \wedge^2 (43 + 16i) + 3^*x^1 \wedge^4 x^2 x^3 (5 + i) + x^1 \wedge^4 x^2 (11 - 15i) - 3^*x^1 \wedge^4 + x^1 \wedge^3 x^2 \wedge^3 (9 - 7i) - \\ & 2i^*x^1 \wedge^3 x^2 \wedge^2 x^3 \wedge^2 - 5^*x^1 \wedge^3 x^2 \wedge^2 x^3 (5 - 3i) - 2^*x^1 \wedge^3 x^2 \wedge^2 (19 - 4i) - 24^*x^1 \wedge^3 x^2 x^3 \wedge^2 + x^1 \wedge^3 x^2 x^3 (3 - 17i) \\ & + x^1 \wedge^3 x^2 (46 - 129i) + 45i^*x^1 \wedge^3 x^3 + 36^*x^1 \wedge^3 + 7^*x^1 \wedge^2 x^2 \wedge^5 - 5^*x^1 \wedge^2 x^2 \wedge^4 x^3 (3 + 5i) - 4^*x^1 \wedge^2 x^2 \wedge^4 (1 + 12i) \\ & + 3^*x^1 \wedge^2 x^2 \wedge^3 x^3 (3 + i) - 7i^*x^1 \wedge^2 x^2 \wedge^3 + 7^*x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^4 (1 - 3i) - x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^3 (24 + i) + \\ & 5^*x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^2 (22 + 17i) + x^1 \wedge^2 x^2 \wedge^2 x^3 (21 - 109i) - x^1 \wedge^2 x^2 \wedge^2 (30 + i) - 16^*x^1 \wedge^2 x^2 x^3 \wedge^3 (3 + i) - \\ & x^1 \wedge^2 x^2 x^3 \wedge^2 (26 - 95i) + x^1 \wedge^2 x^2 x^3 (26 + 25i) + 2^*x^1 \wedge^2 x^2 (11 - 50i) + x^1 \wedge^2 (7 + 4i) - 7^*x^1 x^2 \wedge^4 x^3 \wedge^2 (1 - 3i) \\ & + x^1 x^2 \wedge^4 x^3 + 21i^*x^1 x^2 \wedge^4 + x^1 x^2 \wedge^3 (149 - 12i) + 4^*x^1 x^2 \wedge^2 x^3 \wedge^3 (1 - 3i) + 7^*x^1 x^2 \wedge^2 x^3 \wedge^2 (3 + i) + \\ & 11^*x^1 x^2 \wedge^2 x^3 (4 + 7i) + x^1 x^2 \wedge^2 (25 - 13i) + 7^*x^1 x^2 x^3 \wedge^3 (3 + i) + x^1 x^2 x^3 \wedge^2 (14 - 37i) + x^1 x^2 x^3 (31 + \\ & 14i) - x^1 x^2 (5 + 189i) + 15^*x^1 x^3 (4 - 7i) - 2^*x^1 (49 + 24i) + 2i^*x^2 \wedge^5 - 8^*x^2 \wedge^4 x^3 (3 + i) + 13^*x^2 \wedge^4 + \\ & 4^*x^2 \wedge^3 x^3 (1 - 3i) + x^2 \wedge^3 (2 + 7i) + 5^*x^2 \wedge^2 x^3 \wedge^2 - x^2 \wedge^2 x^3 (8 - 15i) - x^2 \wedge^2 (4 + 13i) - 50^*x^2 x^3 \wedge^3 (1 - i) + \\ & 25^*x^2 x^3 \wedge^2 (4 + i) - x^2 x^3 (89 + 52i) + x^2 (7 + 52i) + 210i^*x^3 + 168)", \end{aligned}$$

$$\begin{aligned} & "(-i^*x^1 \wedge^3 x^2 \wedge^2 + x^1 \wedge^2 x^2 \wedge^4 - i^*x^1 \wedge^2 x^2 \wedge^2 + x^1 \wedge^2 x^2 x^3 (-1 + 5i) + x^1 \wedge^2 x^2 (5 + i) - i^*x^1 \wedge^2 + 3i^*x^1 x^2 \wedge^3 + \\ & x^1 x^2 \wedge^2 x^3 (2 - 6i) + x^1 x^2 x^3 (3 + i) + 3^*x^1 x^2 - 15^*x^1 x^3 + 12i^*x^1 + x^2 \wedge^4 x^3 (6 + 2i) + x^2 \wedge^3 x^3 (-1 + 3i) + \\ & x^2 \wedge^2 x^3 (2 - 6i) + x^2 x^3 \wedge^3 (5 - 15i) + x^2 x^3 \wedge^2 (-27 - 9i) + x^2 x^3 (-1 + 13i))/(3^*x^1 \wedge^5 x^2 \wedge^2 + 3i^*x^1 \wedge^4 x^2 \wedge^4 - \\ & 8i^*x^1 \wedge^4 x^2 \wedge^2 x^3 \wedge^2 + x^1 \wedge^4 x^2 \wedge^2 (43 + 16i) + x^1 \wedge^4 x^2 x^3 (-15 - 3i) + x^1 \wedge^4 x^2 (-11 + 15i) + 3^*x^1 \wedge^4 + \\ & x^1 \wedge^3 x^2 \wedge^3 (-9 + 7i) + 2i^*x^1 \wedge^3 x^2 \wedge^2 x^3 \wedge^2 + x^1 \wedge^3 x^2 \wedge^2 x^3 (25 - 15i) + x^1 \wedge^3 x^2 \wedge^2 (38 - 8i) + 24^*x^1 \wedge^3 x^2 x^3 \wedge^2 + \\ & x^1 \wedge^3 x^2 x^3 (-3 + 17i) + x^1 \wedge^3 x^2 (-46 + 129i) - 45i^*x^1 \wedge^3 x^3 - 36^*x^1 \wedge^3 - 7^*x^1 \wedge^2 x^2 \wedge^5 + x^1 \wedge^2 x^2 \wedge^4 x^3 (15 + 25i) \\ & + x^1 \wedge^2 x^2 \wedge^4 (4 + 48i) + x^1 \wedge^2 x^2 \wedge^3 x^3 (-9 - 3i) + 7i^*x^1 \wedge^2 x^2 \wedge^3 + x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^4 (-7 + 21i) + \\ & x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^3 (24 + i) + x^1 \wedge^2 x^2 \wedge^2 x^3 \wedge^2 (-110 - 85i) + x^1 \wedge^2 x^2 \wedge^2 x^3 (-21 + 109i) + x^1 \wedge^2 x^2 \wedge^2 (30 + i) + \\ & x^1 \wedge^2 x^2 x^3 \wedge^3 (48 + 16i) + x^1 \wedge^2 x^2 x^3 \wedge^2 (26 - 95i) + x^1 \wedge^2 x^2 x^3 (-26 - 25i) + x^1 \wedge^2 x^2 (-22 + 100i) + x^1 \wedge^2 (-7 - \\ & 4i) + x^1 x^2 \wedge^4 x^3 \wedge^2 (7 - 21i) - x^1 x^2 \wedge^4 x^3 - 21i^*x^1 x^2 \wedge^4 + x^1 x^2 \wedge^3 (-149 + 12i) + x^1 x^2 \wedge^2 x^3 \wedge^3 (-4 + 12i) + \\ & x^1 x^2 \wedge^2 x^3 \wedge^2 (-21 - 7i) + x^1 x^2 \wedge^2 x^3 (-44 - 77i) + x^1 x^2 \wedge^2 (-25 + 13i) + x^1 x^2 x^3 \wedge^3 (-21 - 7i) + x^1 x^2 x^3 \wedge^2 (- \\ & 14 + 37i) + x^1 x^2 x^3 (-31 - 14i) + x^1 x^2 (5 + 189i) + x^1 x^3 (-60 + 105i) + x^1 (98 + 48i) - 2i^*x^2 \wedge^5 + x^2 \wedge^4 x^3 (24 + \end{aligned}$$

$$8i) - 13x^2x^4 + x^2x^3x^3(-4 + 12i) + x^2x^3(-2 - 7i) - 5x^2x^2x^3x^2 + x^2x^2x^3(8 - 15i) + x^2x^2(4 + 13i) + x^2x^3x^3x^3(50 - 50i) + x^2x^3x^2(-100 - 25i) + x^2x^3(89 + 52i) + x^2(-7 - 52i) - 210ix^3 - 168)",$$

$$\begin{aligned} & "(-7ix^1x^3x^2x^2 + 7x^1x^2x^2x^4 - 7ix^1x^2x^2x^2 - x^1x^2x^2x^3x^3(7 + 5i) + x^1x^2x^2x^3(19 + 7i) + ix^1x^2 + \\ & 21ix^1x^2x^3 + 2x^1x^2x^2 + 10ix^1x^2x^3 + x^1x^2x^2(25 + i) + 15x^1x^3 - 14ix^1 + 2ix^2x^4 - x^2x^3 + 2x^2x^2 + \\ & 5x^2x^3x^2 - 9ix^2x^3 - x^2(4 - i) - 30x^3 + 24i)/(-3x^1x^5x^2x^2 - 3ix^1x^4x^2x^4 + 8ix^1x^4x^2x^2x^3x^2 - \\ & x^1x^4x^2x^2(43 + 16i) + 3x^1x^4x^2x^3x^3(5 + i) + x^1x^4x^2x^3(11 - 15i) - 3x^1x^4 + x^1x^3x^2x^3x^3(9 - 7i) - \\ & 2ix^1x^3x^2x^2x^3x^2 - 5x^1x^3x^2x^2x^3x^3(5 - 3i) - 2ix^1x^3x^2x^2x^3(19 - 4i) - 24ix^1x^3x^2x^3x^2 + x^1x^3x^2x^3x^3(3 - 17i) \\ & + x^1x^3x^2x^3(46 - 129i) + 45ix^1x^3x^3 + 36ix^1x^3 + 7x^1x^2x^2x^2x^5 - 5x^1x^2x^2x^4x^3x^3(3 + 5i) - 4ix^1x^2x^2x^4x^3(1 + 12i) \\ & + 3ix^1x^2x^2x^3x^3x^3(3 + i) - 7ix^1x^2x^2x^3 + 7x^1x^2x^2x^2x^3x^4x^3(1 - 3i) - x^1x^2x^2x^2x^3x^3x^3(24 + i) + \\ & 5ix^1x^2x^2x^2x^3x^2(22 + 17i) + x^1x^2x^2x^2x^3x^3(21 - 109i) - x^1x^2x^2x^2x^3(30 + i) - 16ix^1x^2x^2x^3x^3x^3(3 + i) - \\ & x^1x^2x^2x^3x^2x^3(26 - 95i) + x^1x^2x^2x^3x^3(26 + 25i) + 2ix^1x^2x^2x^3(11 - 50i) + x^1x^2x^3(7 + 4i) - 7ix^1x^2x^4x^3x^2x^3(1 - 3i) \\ & + x^1x^2x^4x^3 + 21ix^1x^2x^4 + x^1x^2x^3x^3(149 - 12i) + 4ix^1x^2x^2x^3x^3x^3(1 - 3i) + 7ix^1x^2x^2x^3x^2x^3(3 + i) + \\ & 11ix^1x^2x^2x^3x^3(4 + 7i) + x^1x^2x^2x^3(25 - 13i) + 7ix^1x^2x^3x^3x^3(3 + i) + x^1x^2x^3x^2x^3(14 - 37i) + x^1x^2x^3x^3(31 + \\ & 14i) - x^1x^2x^3(5 + 189i) + 15ix^1x^3x^3(4 - 7i) - 2ix^1x^3(49 + 24i) + 2ix^2x^5 - 8ix^2x^4x^3x^3(3 + i) + 13ix^2x^4 + \\ & 4ix^2x^3x^3x^3(1 - 3i) + x^2x^3x^3(2 + 7i) + 5ix^2x^2x^3x^2 - x^2x^2x^3x^3(8 - 15i) - x^2x^2x^3(4 + 13i) - 50ix^2x^3x^3x^3(1 - i) + \\ & 25ix^2x^3x^2x^3(4 + i) - x^2x^3x^3(89 + 52i) + x^2x^3(7 + 52i) + 210ix^3 + 168)", \end{aligned}$$

$$\begin{aligned} & "x^2(-8ix^1x^3 + 7ix^1x^2x^2x^3x^3(3 + i) - ix^1x^2x^2 + 2ix^1x^2 - 7ix^1x^2x^2x^3x^3(1 - 3i) + x^1x^2x^3 + 7ix^1x^2x^3x^3(3 \\ & + i) - ix^1x^2 + 5ix^1x^3x^2x^3(3 + i) + x^1x^3x^3(4 - 7i) + 4ix^1 - 10ix^3x^2x^3(3 + i) - 8ix^3x^3(1 - 3i))/(-3x^1x^5x^2x^2 - \\ & 3ix^1x^4x^2x^4 + 8ix^1x^4x^2x^2x^3x^2 - x^1x^4x^2x^2(43 + 16i) + 3ix^1x^4x^2x^3x^3(5 + i) + x^1x^4x^2x^3(11 - 15i) - 3ix^1x^4 \\ & + x^1x^3x^2x^3x^3(9 - 7i) - 2ix^1x^3x^2x^2x^3x^2 - 5ix^1x^3x^2x^2x^3x^3(5 - 3i) - 2ix^1x^3x^2x^2x^3(19 - 4i) - 24ix^1x^3x^2x^3x^2 \\ & + x^1x^3x^2x^3x^3(3 - 17i) + x^1x^3x^2x^3(46 - 129i) + 45ix^1x^3x^3 + 36ix^1x^3 + 7ix^1x^2x^2x^2x^5 - 5ix^1x^2x^2x^4x^3x^3(3 + 5i) - \\ & 4ix^1x^2x^2x^4x^3(1 + 12i) + 3ix^1x^2x^2x^3x^3x^3(3 + i) - 7ix^1x^2x^2x^3 + 7ix^1x^2x^2x^2x^3x^4x^3(1 - 3i) - \\ & x^1x^2x^2x^2x^3x^3x^3(24 + i) + 5ix^1x^2x^2x^2x^3x^2(22 + 17i) + x^1x^2x^2x^2x^3x^3(21 - 109i) - x^1x^2x^2x^2x^3(30 + i) - \\ & 16ix^1x^2x^2x^3x^3x^3(3 + i) - x^1x^2x^2x^3x^2x^3(26 - 95i) + x^1x^2x^2x^3x^3(26 + 25i) + 2ix^1x^2x^2x^3(11 - 50i) + x^1x^2x^3(7 + \\ & 4i) - 7ix^1x^2x^4x^3x^2x^3(1 - 3i) + x^1x^2x^4x^3 + 21ix^1x^2x^4 + x^1x^2x^3x^3(149 - 12i) + 4ix^1x^2x^2x^3x^3x^3(1 - 3i) + \\ & 7ix^1x^2x^2x^3x^2x^3(3 + i) + 11ix^1x^2x^2x^3x^3(4 + 7i) + x^1x^2x^2x^3(25 - 13i) + 7ix^1x^2x^3x^3x^3(3 + i) + x^1x^2x^3x^2x^3(14 - \\ & 37i) + x^1x^2x^3x^3(31 + 14i) - x^1x^2x^3(5 + 189i) + 15ix^1x^3x^3(4 - 7i) - 2ix^1x^3(49 + 24i) + 2ix^2x^5 - 8ix^2x^4x^3x^3(3 + i) + \\ & 13ix^2x^4 + 4ix^2x^3x^3x^3(1 - 3i) + x^2x^3x^3(2 + 7i) + 5ix^2x^2x^3x^2 - x^2x^2x^3x^3(8 - 15i) - x^2x^2x^3(4 + 13i) - 50ix^2x^3x^3x^3(1 - \\ & i) + 25ix^2x^3x^2x^3(4 + i) - x^2x^3x^3(89 + 52i) + x^2x^3(7 + 52i) + 210ix^3 + 168)" \end{aligned}$$

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$$\begin{aligned} & "(-3ix^1x^4x^2 - 9ix^1x^3 + ix^1x^2x^2x^2 + x^1x^2x^2x^3x^2x^3(9 + 3i) + x^1x^2x^2x^3x^3(4 - 12i) + x^1x^2x^2x^3(8 + 4i) - \\ & 2ix^1x^2x^2 + x^1x^2x^3x^2x^3(-3 - i) + x^1x^2x^3x^3(-2 + 5i) - 17ix^1x^2 + x^1(-12 + 21i) - x^2x^2x^3 + ix^2x^2 + \\ & x^2x^3x^2x^2(10 - 10i) + x^2x^3x^3(-12 + 3i) + 13ix^2 - 42i)/(3ix^1x^5x^2x^2 + 3ix^1x^4x^2x^4 - 8ix^1x^4x^2x^2x^3x^2 + \\ & x^1x^4x^2x^2(43 + 16i) + x^1x^4x^2x^3x^3(-15 - 3i) + x^1x^4x^2x^3(-11 + 15i) + 3ix^1x^4 + x^1x^3x^2x^3x^3(-9 + 7i) + \\ & 2ix^1x^3x^2x^2x^3x^2 + x^1x^3x^2x^2x^3x^3(25 - 15i) + x^1x^3x^2x^2x^3(38 - 8i) + 24ix^1x^3x^2x^3x^2 + x^1x^3x^2x^3x^3(-3 + 17i) \\ & + x^1x^3x^2x^3(-46 + 129i) - 45ix^1x^3x^3 - 36ix^1x^3 - 7ix^1x^2x^2x^2x^5 + x^1x^2x^2x^4x^3x^3(15 + 25i) + x^1x^2x^2x^4x^3(4 + 48i) \\ & + x^1x^2x^2x^3x^3x^3(-9 - 3i) + 7ix^1x^2x^2x^3 + x^1x^2x^2x^2x^3x^4x^3(-7 + 21i) + x^1x^2x^2x^2x^3x^3(24 + i) + \\ & x^1x^2x^2x^2x^3x^2x^3(-110 - 85i) + x^1x^2x^2x^2x^3x^3(-21 + 109i) + x^1x^2x^2x^2x^3(30 + i) + x^1x^2x^2x^3x^3x^3(48 + 16i) + \\ & x^1x^2x^2x^3x^2x^3(26 - 95i) + x^1x^2x^2x^3x^3(-26 - 25i) + x^1x^2x^2x^3(-22 + 100i) + x^1x^2x^3(-7 - 4i) + x^1x^2x^4x^3x^2x^3(7 - \\ & 21i) - x^1x^2x^4x^3 - 21ix^1x^2x^4 + x^1x^2x^3x^3(-149 + 12i) + x^1x^2x^2x^3x^3x^3(-4 + 12i) + x^1x^2x^2x^3x^2x^3(-21 - 7i) + \\ & x^1x^2x^2x^3x^3(-44 - 77i) + x^1x^2x^2x^3(-25 + 13i) + x^1x^2x^3x^3x^3(-21 - 7i) + x^1x^2x^3x^2x^3(-14 + 37i) + x^1x^2x^3x^3(-31 - \\ & 14i) + x^1x^2x^3(5 + 189i) + x^1x^3x^3(-60 + 105i) + x^1x^3(98 + 48i) - 2ix^2x^5 + x^2x^4x^3x^3(24 + 8i) - 13ix^2x^4 + x^2x^3x^3x^3(- \end{aligned}$$

$$4 + 12i) + x^2x^3(-2 - 7i) - 5x^2x^2x^3 + x^2x^2x^3(8 - 15i) + x^2x^2(4 + 13i) + x^2x^3x^3(50 - 50i) + x^2x^3x^2(-100 - 25i) + x^2x^3x^3(89 + 52i) + x^2x^3(-7 - 52i) - 210ix^3 - 168)",$$

$$\begin{aligned} & "(-ix^1x^3x^2x^3x^2 + x^1x^3x^2(5 + 2i) - x^1x^3 + ix^1x^2x^2x^2 + x^1x^2x^2x^3(1 - 3i) + 7x^1x^2x^2 + 3x^1x^2x^3x^2 + \\ & ix^1x^2x^3 + x^1x^2(-6 + 15i) - x^1x^2x^4 + x^1x^2x^3x^3(3 + i) + 7ix^1x^2x^3 + ix^1x^2x^2 + x^1x^2x^3x^4(-1 + 3i) + \\ & x^1x^2x^3x^3(3 + i) + x^1x^2x^3x^2(-16 - 12i) + x^1x^2x^3x^3(-9 + 10i) + x^1x^2x^3(4 - i) - 7ix^1x^3 + x^1x^3(-7 + 21i) + \\ & x^2x^3x^3x^2(1 - 3i) - 3ix^2x^3 - 21x^2x^2 + x^2x^3x^2(-3 - i) - 3x^2 + 21i)/(3x^1x^5x^2x^2 + 3ix^1x^4x^2x^4 - \\ & 8ix^1x^4x^2x^2x^3x^2 + x^1x^4x^2x^2(43 + 16i) + x^1x^4x^2x^3(-15 - 3i) + x^1x^4x^2(-11 + 15i) + 3x^1x^4 + \\ & x^1x^3x^2x^3(-9 + 7i) + 2ix^1x^3x^2x^2x^3x^2 + x^1x^3x^2x^2x^3(25 - 15i) + x^1x^3x^2x^2(38 - 8i) + 24x^1x^3x^2x^3x^2 + \\ & x^1x^3x^2x^3(-3 + 17i) + x^1x^3x^2(-46 + 129i) - 45ix^1x^3x^3 - 36x^1x^3 - 7x^1x^2x^2x^5 + x^1x^2x^2x^4x^3(15 + 25i) \\ & + x^1x^2x^2x^4(4 + 48i) + x^1x^2x^2x^3x^3(-9 - 3i) + 7ix^1x^2x^2x^3 + x^1x^2x^2x^2x^3x^4(-7 + 21i) + \\ & x^1x^2x^2x^2x^3x^3(24 + i) + x^1x^2x^2x^2x^3x^2(-110 - 85i) + x^1x^2x^2x^2x^3(-21 + 109i) + x^1x^2x^2x^2(30 + i) + \\ & x^1x^2x^2x^3x^3(48 + 16i) + x^1x^2x^2x^3x^2(26 - 95i) + x^1x^2x^2x^3(-26 - 25i) + x^1x^2x^2(-22 + 100i) + x^1x^2(-7 - \\ & 4i) + x^1x^2x^4x^3x^2(7 - 21i) - x^1x^2x^4x^3 - 21ix^1x^2x^4 + x^1x^2x^3(-149 + 12i) + x^1x^2x^2x^3x^3(-4 + 12i) + \\ & x^1x^2x^2x^3x^2(-21 - 7i) + x^1x^2x^2x^3(-44 - 77i) + x^1x^2x^2(-25 + 13i) + x^1x^2x^3x^3(-21 - 7i) + x^1x^2x^3x^2(-14 \\ & + 37i) + x^1x^2x^3(-31 - 14i) + x^1x^2(5 + 189i) + x^1x^3(-60 + 105i) + x^1(98 + 48i) - 2ix^2x^5 + x^2x^4x^3(24 + 8i) \\ & - 13x^2x^4 + x^2x^3x^3(-4 + 12i) + x^2x^3(-2 - 7i) - 5x^2x^2x^3x^2 + x^2x^2x^3(8 - 15i) + x^2x^2(4 + 13i) + \\ & x^2x^3x^3(50 - 50i) + x^2x^3x^2(-100 - 25i) + x^2x^3(89 + 52i) + x^2x^3(-7 - 52i) - 210ix^3 - 168)", \end{aligned}$$

$$\begin{aligned} & "(3x^1x^4x^2 + 3ix^1x^3x^2x^3 - ix^1x^3x^2x^3x^2 + x^1x^3x^2(8 + 2i) - 3ix^1x^3x^3 + x^1x^3(-4 + 9i) - 9x^1x^2x^2x^2 + \\ & 2ix^1x^2x^2x^3x^2 + x^1x^2x^2(-11 - 8i) + 3x^1x^2x^3x^2 + ix^1x^2x^3 + x^1x^2(-4 + 24i) + x^1x^2x^3(4 - i) + \\ & x^1x^2x^3x^3 - ix^1x^2x^3x^2 + x^1x^2x^3(-2 + 6i) + x^1x^2(4 - 2i) - 6ix^1x^3x^2 + x^1x^3(-4 - 2i) + x^1(24 - 26i) - \\ & x^2x^3x^3 + 12ix^2x^2 + ix^2x^3 + 12)/(3x^1x^5x^2x^2 + 3ix^1x^4x^2x^4 - 8ix^1x^4x^2x^2x^3x^2 + x^1x^4x^2x^2(43 + 16i) + \\ & x^1x^4x^2x^3(-15 - 3i) + x^1x^4x^2(-11 + 15i) + 3x^1x^4 + x^1x^3x^2x^3(-9 + 7i) + 2ix^1x^3x^2x^2x^3x^2 + \\ & x^1x^3x^2x^2x^3(25 - 15i) + x^1x^3x^2x^2(38 - 8i) + 24x^1x^3x^2x^3x^2 + x^1x^3x^2x^3(-3 + 17i) + x^1x^3x^2(-46 + \\ & 129i) - 45ix^1x^3x^3 - 36x^1x^3 - 7x^1x^2x^2x^5 + x^1x^2x^2x^4x^3(15 + 25i) + x^1x^2x^2x^4(4 + 48i) + x^1x^2x^2x^3x^3(-9 \\ & - 3i) + 7ix^1x^2x^2x^3 + x^1x^2x^2x^2x^3x^4(-7 + 21i) + x^1x^2x^2x^2x^3x^3(24 + i) + x^1x^2x^2x^2x^3x^2(-110 - 85i) + \\ & x^1x^2x^2x^2x^3(-21 + 109i) + x^1x^2x^2x^2(30 + i) + x^1x^2x^2x^3x^3(48 + 16i) + x^1x^2x^2x^3x^2(26 - 95i) + \\ & x^1x^2x^2x^3(-26 - 25i) + x^1x^2x^2(-22 + 100i) + x^1x^2(-7 - 4i) + x^1x^2x^4x^3x^2(7 - 21i) - x^1x^2x^4x^3 - \\ & 21ix^1x^2x^4 + x^1x^2x^3(-149 + 12i) + x^1x^2x^2x^3x^3(-4 + 12i) + x^1x^2x^2x^3x^2(-21 - 7i) + x^1x^2x^2x^3(-44 - \\ & 77i) + x^1x^2x^2(-25 + 13i) + x^1x^2x^3x^3(-21 - 7i) + x^1x^2x^3x^2(-14 + 37i) + x^1x^2x^3(-31 - 14i) + x^1x^2(5 + \\ & 189i) + x^1x^3(-60 + 105i) + x^1(98 + 48i) - 2ix^2x^5 + x^2x^4x^3(24 + 8i) - 13x^2x^4 + x^2x^3x^3(-4 + 12i) + x^2x^3(-2 \\ & - 7i) - 5x^2x^2x^3x^2 + x^2x^2x^3(8 - 15i) + x^2x^2(4 + 13i) + x^2x^3x^3(50 - 50i) + x^2x^3x^2(-100 - 25i) + x^2x^3(89 + \\ & 52i) + x^2x^3(-7 - 52i) - 210ix^3 - 168)", \end{aligned}$$

$$\begin{aligned} & "(3x^1x^4 + x^1x^3x^2x^3(-3 + 9i) + x^1x^2x^2x^3x^3(-9 - 3i) + x^1x^2x^2x^3x^3(3 + i) + ix^1x^2x^2x^3x^2 + \\ & x^1x^2x^2x^3(-14 + 22i) + x^1x^2x^2(-5 - 3i) + x^1x^2(-7 - 4i) - ix^1x^2x^2 + x^1x^2x^3x^3(-6 - 2i) + x^1x^2x^3x^3(34 - \\ & 22i) + x^1x^2(-7 + 2i) + 14x^1 + x^2x^4 + x^2x^3x^3(-4 + 12i) - 7ix^2x^3 - ix^2x^2 + x^2x^3(12 + 4i) - \\ & 7x^2)/(3x^1x^5x^2x^2 + 3ix^1x^4x^2x^4 - 8ix^1x^4x^2x^2x^3x^2 + x^1x^4x^2x^2(43 + 16i) + x^1x^4x^2x^3(-15 - 3i) + \\ & x^1x^4x^2(-11 + 15i) + 3x^1x^4 + x^1x^3x^2x^3(-9 + 7i) + 2ix^1x^3x^2x^2x^3x^2 + x^1x^3x^2x^2x^3(25 - 15i) + \\ & x^1x^3x^2x^2(38 - 8i) + 24x^1x^3x^2x^3x^2 + x^1x^3x^2x^3(-3 + 17i) + x^1x^3x^2(-46 + 129i) - 45ix^1x^3x^3 - 36x^1x^3 - \\ & 7x^1x^2x^2x^5 + x^1x^2x^2x^4x^3(15 + 25i) + x^1x^2x^2x^4(4 + 48i) + x^1x^2x^2x^3x^3(-9 - 3i) + 7ix^1x^2x^2x^3 + \\ & x^1x^2x^2x^2x^3x^4(-7 + 21i) + x^1x^2x^2x^2x^3x^3(24 + i) + x^1x^2x^2x^2x^3x^2(-110 - 85i) + x^1x^2x^2x^2x^3(-21 + \\ & 109i) + x^1x^2x^2x^2(30 + i) + x^1x^2x^2x^3x^3(48 + 16i) + x^1x^2x^2x^3x^2(26 - 95i) + x^1x^2x^2x^3(-26 - 25i) + \\ & x^1x^2x^2(-22 + 100i) + x^1x^2(-7 - 4i) + x^1x^2x^4x^3x^2(7 - 21i) - x^1x^2x^4x^3 - 21ix^1x^2x^4 + x^1x^2x^3(-149 + \\ & 12i) + x^1x^2x^2x^3x^3(-4 + 12i) + x^1x^2x^2x^3x^2(-21 - 7i) + x^1x^2x^2x^3(-44 - 77i) + x^1x^2x^2(-25 + 13i) + \\ & x^1x^2x^3x^3(-21 - 7i) + x^1x^2x^3x^2(-14 + 37i) + x^1x^2x^3(-31 - 14i) + x^1x^2(5 + 189i) + x^1x^3(-60 + 105i) + \end{aligned}$$

$$x1*(98 + 48i) - 2i*x2^5 + x2^4*x3*(24 + 8i) - 13*x2^4 + x2^3*x3*(-4 + 12i) + x2^3*(-2 - 7i) - 5*x2^2*x3^2 + x2^2*x3*(8 - 15i) + x2^2*(4 + 13i) + x2*x3^3*(50 - 50i) + x2*x3^2*(-100 - 25i) + x2*x3*(89 + 52i) + x2*(-7 - 52i) - 210i*x3 - 168)"$$

],

[

$$"(3i*x1^3*x2*x3 + x1^3*x2*(11 + 6i) - 3*x1^3 - 8i*x1^2*x2*x3 - 2*x1^2*x2 - 7*x1*x2^2*x3 + x1*x2^2*(2 + 7i) + x1*x2^2*x3*(4 + 51i) + x1*x2*(57 - 17i) + x1*(7 + 4i) - 4*x2^2 + 26i*x2 - 14)/(-3*x1^5*x2^2 - 3i*x1^4*x2^4 + 8i*x1^4*x2^2*x3^2 - x1^4*x2^2*(43 + 16i) + 3*x1^4*x2*x3*(5 + i) + x1^4*x2*(11 - 15i) - 3*x1^4 + x1^3*x2^2*x3*(9 - 7i) - 2i*x1^3*x2^2*x3^2 - 5*x1^3*x2^2*x3*(5 - 3i) - 2*x1^3*x2^2*(19 - 4i) - 24*x1^3*x2*x3^2 + x1^3*x2*x3*(3 - 17i) + x1^3*x2*(46 - 129i) + 45i*x1^3*x3 + 36*x1^3 + 7*x1^2*x2^5 - 5*x1^2*x2^4*x3*(3 + 5i) - 4*x1^2*x2^4*(1 + 12i) + 3*x1^2*x2^3*x3*(3 + i) - 7i*x1^2*x2^3 + 7*x1^2*x2^2*x3^4*(1 - 3i) - x1^2*x2^2*x3^3*(24 + i) + 5*x1^2*x2^2*x3^2*(22 + 17i) + x1^2*x2^2*x3*(21 - 109i) - x1^2*x2^2*(30 + i) - 16*x1^2*x2*x3^3*(3 + i) - x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(26 + 25i) + 2*x1^2*x2*(11 - 50i) + x1^2*(7 + 4i) - 7*x1*x2^4*x3^2*(1 - 3i) + x1*x2^4*x3 + 21i*x1*x2^4 + x1*x2^3*(149 - 12i) + 4*x1*x2^2*x3^3*(1 - 3i) + 7*x1*x2^2*x3^2*(3 + i) + 11*x1*x2^2*x3*(4 + 7i) + x1*x2^2*(25 - 13i) + 7*x1*x2*x3^3*(3 + i) + x1*x2*x3^2*(14 - 37i) + x1*x2*x3*(31 + 14i) - x1*x2*(5 + 189i) + 15*x1*x3*(4 - 7i) - 2*x1*(49 + 24i) + 2i*x2^5 - 8*x2^4*x3*(3 + i) + 13*x2^4 + 4*x2^3*x3*(1 - 3i) + x2^3*(2 + 7i) + 5*x2^2*x3^2 - x2^2*x3*(8 - 15i) - x2^2*(4 + 13i) - 50*x2*x3^3*(1 - i) + 25*x2*x3^2*(4 + i) - x2*x3*(89 + 52i) + x2*(7 + 52i) + 210i*x3 + 168)",$$

$$"(x1^3*x2 + i*x1^2*x2^3 - x1^2*x2*x3^3 - x1^2*x2*x3^2*(2 - i) + 2*x1^2*x2*x3*(1 - 3i) - 12i*x1^2*x2 - i*x1^2*x3^2 - 5*x1^2*x3 + x1^2*(5 + 6i) + x1*x2^3*x3 + 2*x1*x2^2 - i*x1*x2*x3 - 13i*x1*x2 + 5i*x1*x3^2 + 4*x1*x3 + 7*x1 + 2i*x2^4 + 13*x2^3 + x2^2*(2 + 7i) + 5*x2*x3^2 - 9i*x2*x3 - x2*(4 + 13i) - 35i*x3^2 - 63*x3 + 7 + 28i)/(-3*x1^5*x2^2 - 3i*x1^4*x2^4 + 8i*x1^4*x2^2*x3^2 - x1^4*x2^2*(43 + 16i) + 3*x1^4*x2*x3*(5 + i) + x1^4*x2*(11 - 15i) - 3*x1^4 + x1^3*x2^2*x3*(9 - 7i) - 2i*x1^3*x2^2*x3^2 - 5*x1^3*x2^2*x3*(5 - 3i) - 2*x1^3*x2^2*(19 - 4i) - 24*x1^3*x2*x3^2 + x1^3*x2*x3*(3 - 17i) + x1^3*x2*(46 - 129i) + 45i*x1^3*x3 + 36*x1^3 + 7*x1^2*x2^5 - 5*x1^2*x2^4*x3*(3 + 5i) - 4*x1^2*x2^4*(1 + 12i) + 3*x1^2*x2^3*x3*(3 + i) - 7i*x1^2*x2^3 + 7*x1^2*x2^2*x3^4*(1 - 3i) - x1^2*x2^2*x3^3*(24 + i) + 5*x1^2*x2^2*x3^2*(22 + 17i) + x1^2*x2^2*x3*(21 - 109i) - x1^2*x2^2*(30 + i) - 16*x1^2*x2*x3^3*(3 + i) - x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(26 + 25i) + 2*x1^2*x2*(11 - 50i) + x1^2*(7 + 4i) - 7*x1*x2^4*x3^2*(1 - 3i) + x1*x2^4*x3 + 21i*x1*x2^4 + x1*x2^3*(149 - 12i) + 4*x1*x2^2*x3^3*(1 - 3i) + 7*x1*x2^2*x3^2*(3 + i) + 11*x1*x2^2*x3*(4 + 7i) + x1*x2^2*(25 - 13i) + 7*x1*x2*x3^3*(3 + i) + x1*x2*x3^2*(14 - 37i) + x1*x2*x3*(31 + 14i) - x1*x2*(5 + 189i) + 15*x1*x3*(4 - 7i) - 2*x1*(49 + 24i) + 2i*x2^5 - 8*x2^4*x3*(3 + i) + 13*x2^4 + 4*x2^3*x3*(1 - 3i) + x2^3*(2 + 7i) + 5*x2^2*x3^2 - x2^2*x3*(8 - 15i) - x2^2*(4 + 13i) - 50*x2*x3^3*(1 - i) + 25*x2*x3^2*(4 + i) - x2*x3*(89 + 52i) + x2*(7 + 52i) + 210i*x3 + 168)",$$

$$"(x1^3*x2*(7 + 6i) - 3*x1^3 + x1^2*x2^3*(-6 + 7i) - 3i*x1^2*x2^2 - 7*x1^2*x2*x3^3 + x1^2*x2*x3^2*(2 + 7i) + x1^2*x2*x3*(14 - 42i) + x1^2*x2*(-32 + 2i) + 16i*x1^2*x3^2 + 32*x1^2*x3 + x1^2*(-8 - 18i) + 7*x1*x2^3*x3 - 4*x1*x2^3*x3^2 - 7i*x1*x2^3 + x1*x2*(16 - 20i) - 7i*x1*x3^2 - 14*x1*x3 + x1*(10 + 16i) + 8i*x2^3 - 4*x2^2 + 8*x2 + x3^2*(20 + 10i) + x3*(8 - 36i) - 16 + 4i)/(3*x1^5*x2^2 + 3i*x1^4*x2^4 - 8i*x1^4*x2^2*x3^2 + x1^4*x2^2*(43 + 16i) + x1^4*x2*x3*(-15 - 3i) + x1^4*x2*(-11 + 15i) + 3*x1^4 + x1^3*x2^3*(-9 + 7i) + 2i*x1^3*x2^2*x3^2 + x1^3*x2^2*x3*(25 - 15i) + x1^3*x2^2*(38 - 8i) + 24*x1^3*x2*x3^2 + x1^3*x2*x3*(-3 + 17i) + x1^3*x2*(-46 + 129i) - 45i*x1^3*x3 - 36*x1^3 - 7*x1^2*x2^5 + x1^2*x2^4*x3*(15 + 25i) + x1^2*x2^4*(4 + 48i) + x1^2*x2^3*x3*(-9 - 3i) + 7i*x1^2*x2^3 + x1^2*x2^2*x3^4*(-7 + 21i) + x1^2*x2^2*x3^3*(24 + i) + x1^2*x2^2*x3^2*(-110 - 85i) + x1^2*x2^2*x3*(-21 + 109i) + x1^2*x2^2*(30 + i) + x1^2*x2*x3^3*(48 + 16i) + x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(-26 - 25i) + x1^2*x2*(-22 + 100i) + x1^2*(-7 - 4i) + x1*x2^4*x3^2*(7 - 21i) - x1*x2^4*x3 - 21i*x1*x2^4 + x1*x2^3*(-149 + 12i) + x1*x2^2*x3^3*(-4 + 12i) + x1*x2^2*x3^2*(-21 - 7i) + x1*x2^2*x3*(-44 -$$

77i) + x1*x2^2*(-25 + 13i) + x1*x2*x3^3*(-21 - 7i) + x1*x2*x3^2*(-14 + 37i) + x1*x2*x3*(-31 - 14i) + x1*x2*(5 + 189i) + x1*x3*(-60 + 105i) + x1*(98 + 48i) - 2i*x2^5 + x2^4*x3*(24 + 8i) - 13*x2^4 + x2^3*x3*(-4 + 12i) + x2^3*(-2 - 7i) - 5*x2^2*x3^2 + x2^2*x3*(8 - 15i) + x2^2*(4 + 13i) + x2*x3^3*(50 - 50i) + x2*x3^2*(-100 - 25i) + x2*x3*(89 + 52i) + x2*(-7 - 52i) - 210i*x3 - 168)",

"(3*x1^4*x2 + 3i*x1^3*x2^3 - 8i*x1^3*x2*x3^2 + x1^3*x2*(43 + 16i) - 15*x1^3*x3 + 12i*x1^3 + 7i*x1^2*x2^2 + 2i*x1^2*x2*x3^2 + x1^2*x2*(39 - 8i) - 7*x1*x2^4 + x1*x2^3*(4 + 49i) + 7i*x1*x2^2 + 5i*x1*x2*x3 + x1*x2*(53 - 4i) + x1*x3*(35 + 20i) + x1*(16 - 28i) - 10i*x2*x3 - 8*x2 - 70*x3 + 56i)/(3*x1^5*x2^2 + 3i*x1^4*x2^4 - 8i*x1^4*x2^2*x3^2 + x1^4*x2^2*(43 + 16i) + x1^4*x2*x3*(-15 - 3i) + x1^4*x2*(-11 + 15i) + 3*x1^4 + x1^3*x2^3*(-9 + 7i) + 2i*x1^3*x2^2*x3^2 + x1^3*x2^2*x3*(25 - 15i) + x1^3*x2^2*(38 - 8i) + 24*x1^3*x2*x3^2 + x1^3*x2*x3*(-3 + 17i) + x1^3*x2*(-46 + 129i) - 45i*x1^3*x3 - 36*x1^3 - 7*x1^2*x2^5 + x1^2*x2^4*x3*(15 + 25i) + x1^2*x2^4*(4 + 48i) + x1^2*x2^3*x3*(-9 - 3i) + 7i*x1^2*x2^3 + x1^2*x2^2*x3^4*(-7 + 21i) + x1^2*x2^2*x3^3*(24 + i) + x1^2*x2^2*x3^2*(-110 - 85i) + x1^2*x2^2*x3*(-21 + 109i) + x1^2*x2^2*(30 + i) + x1^2*x2*x3^3*(48 + 16i) + x1^2*x2*x3^2*(26 - 95i) + x1^2*x2*x3*(-26 - 25i) + x1^2*x2*(-22 + 100i) + x1^2*(-7 - 4i) + x1*x2^4*x3^2*(7 - 21i) - x1*x2^4*x3 - 21i*x1*x2^4 + x1*x2^3*(-149 + 12i) + x1*x2^2*x3^3*(-4 + 12i) + x1*x2^2*x3^2*(-21 - 7i) + x1*x2^2*x3*(-44 - 77i) + x1*x2^2*(-25 + 13i) + x1*x2*x3^3*(-21 - 7i) + x1*x2*x3^2*(-14 + 37i) + x1*x2*x3*(-31 - 14i) + x1*x2*(5 + 189i) + x1*x3*(-60 + 105i) + x1*(98 + 48i) - 2i*x2^5 + x2^4*x3*(24 + 8i) - 13*x2^4 + x2^3*x3*(-4 + 12i) + x2^3*(-2 - 7i) - 5*x2^2*x3^2 + x2^2*x3*(8 - 15i) + x2^2*(4 + 13i) + x2*x3^3*(50 - 50i) + x2*x3^2*(-100 - 25i) + x2*x3*(89 + 52i) + x2*(-7 - 52i) - 210i*x3 - 168)"

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