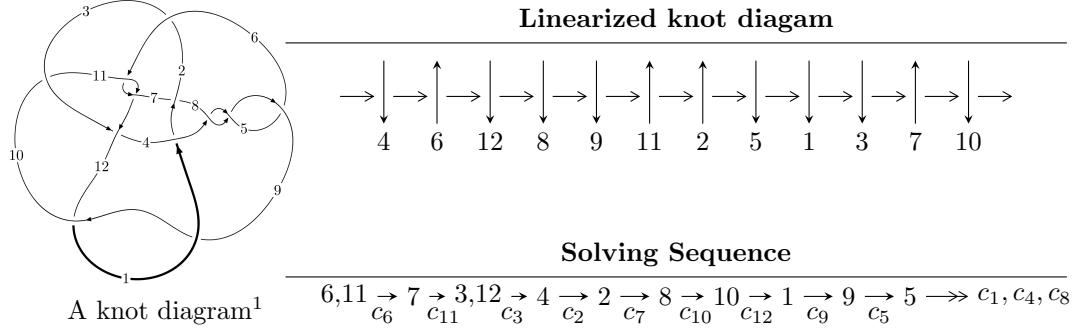


$12a_{0997}$ ($K12a_{0997}$)



Ideals for irreducible components² of X_{par}

$$\begin{aligned}
 I_1^u = & \langle -1.75024 \times 10^{474} u^{141} - 1.96473 \times 10^{474} u^{140} + \dots + 4.83910 \times 10^{473} b - 6.34671 \times 10^{476}, \\
 & - 1.51920 \times 10^{476} u^{141} - 1.86128 \times 10^{476} u^{140} + \dots + 2.95185 \times 10^{475} a - 4.50856 \times 10^{478}, \\
 & u^{142} + 2u^{141} + \dots + 190u + 244 \rangle \\
 I_2^u = & \langle -113629468333922u^{34} + 73137569141391u^{33} + \dots + 2341694541470b - 106088871052014, \\
 & 49505308067552u^{34} - 15174583421106u^{33} + \dots + 2341694541470a + 131002690330904, \\
 & u^{35} - u^{34} + \dots + 11u^2 - 1 \rangle
 \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 177 representations.

¹The image of knot diagram is generated by the software “**Draw programme**” developed by Andrew Bartholomew(<http://www.layer8.co.uk/math/draw/index.htm#Running-draw>), where we modified some parts for our purpose(<https://github.com/CATsTAILs/LinksPainter>).

²All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

$$\text{I. } I_1^u = \langle -1.75 \times 10^{474} u^{141} - 1.96 \times 10^{474} u^{140} + \dots + 4.84 \times 10^{473} b - 6.35 \times 10^{476}, -1.52 \times 10^{476} u^{141} - 1.86 \times 10^{476} u^{140} + \dots + 2.95 \times 10^{475} a - 4.51 \times 10^{478}, u^{142} + 2u^{141} + \dots + 190u + 244 \rangle$$

(i) Arc colorings

$$\begin{aligned} a_6 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_7 &= \begin{pmatrix} 1 \\ -u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} 5.14659u^{141} + 6.30546u^{140} + \dots - 696.725u + 1527.37 \\ 3.61686u^{141} + 4.06012u^{140} + \dots - 365.894u + 1311.55 \end{pmatrix} \\ a_{12} &= \begin{pmatrix} u \\ -u^3 + u \end{pmatrix} \\ a_4 &= \begin{pmatrix} 4.46182u^{141} + 5.51814u^{140} + \dots - 619.473u + 1177.84 \\ 3.21273u^{141} + 3.71733u^{140} + \dots - 345.106u + 1104.07 \end{pmatrix} \\ a_2 &= \begin{pmatrix} 1.52972u^{141} + 2.24534u^{140} + \dots - 330.831u + 215.820 \\ 3.61686u^{141} + 4.06012u^{140} + \dots - 365.894u + 1311.55 \end{pmatrix} \\ a_8 &= \begin{pmatrix} -4.11774u^{141} - 6.11606u^{140} + \dots + 1329.29u - 1495.35 \\ 0.246365u^{141} + 0.0837458u^{140} + \dots + 332.526u - 91.8020 \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -3.83345u^{141} - 5.21359u^{140} + \dots + 1191.52u - 1902.87 \\ -0.981164u^{141} - 1.78349u^{140} + \dots + 589.787u - 389.643 \end{pmatrix} \\ a_1 &= \begin{pmatrix} -9.93857u^{141} - 12.6394u^{140} + \dots + 2116.16u - 3531.76 \\ -2.69583u^{141} - 3.60343u^{140} + \dots + 725.805u - 921.068 \end{pmatrix} \\ a_9 &= \begin{pmatrix} -11.1461u^{141} - 15.0882u^{140} + \dots + 2795.38u - 3894.61 \\ -3.09865u^{141} - 4.28797u^{140} + \dots + 956.752u - 1211.52 \end{pmatrix} \\ a_5 &= \begin{pmatrix} 10.6780u^{141} + 14.6267u^{140} + \dots - 2679.81u + 3654.33 \\ -1.37124u^{141} - 1.90190u^{140} + \dots + 326.354u - 382.690 \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $3.69920u^{141} + 6.20634u^{140} + \dots - 2253.29u + 1903.17$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{142} + 3u^{141} + \cdots - 5484992u - 358484$
c_2	$u^{142} + 4u^{141} + \cdots + 287961643u + 41067731$
c_3	$u^{142} - 2u^{141} + \cdots + 113943u - 4559$
c_4, c_5, c_8	$u^{142} + 4u^{141} + \cdots + 659u - 79$
c_6, c_{11}	$u^{142} + 2u^{141} + \cdots + 190u + 244$
c_7	$u^{142} + u^{141} + \cdots - 118669u - 6359$
c_9, c_{12}	$u^{142} - 9u^{141} + \cdots + 352548u - 24091$
c_{10}	$u^{142} - 2u^{141} + \cdots + 64376759u - 5349403$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{142} - 19y^{141} + \dots - 3842346849688y + 128510778256$
c_2	$y^{142} - 20y^{141} + \dots - 70044640456027673y + 1686558529488361$
c_3	$y^{142} + 46y^{141} + \dots - 4311752777y + 20784481$
c_4, c_5, c_8	$y^{142} - 136y^{141} + \dots + 195349y + 6241$
c_6, c_{11}	$y^{142} - 86y^{141} + \dots - 1799244y + 59536$
c_7	$y^{142} + 43y^{141} + \dots + 7868694797y + 40436881$
c_9, c_{12}	$y^{142} + 103y^{141} + \dots + 15947376892y + 580376281$
c_{10}	$y^{142} + 48y^{141} + \dots + 1001793325679001y + 28616112456409$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.295441 + 0.961168I$		
$a = 0.669363 - 0.698149I$	$-1.64573 - 4.86259I$	0
$b = 1.305230 - 0.036216I$		
$u = -0.295441 - 0.961168I$		
$a = 0.669363 + 0.698149I$	$-1.64573 + 4.86259I$	0
$b = 1.305230 + 0.036216I$		
$u = 0.995761 + 0.156820I$		
$a = -0.222456 + 0.767537I$	$3.44526 + 4.94912I$	0
$b = -0.83941 + 2.00273I$		
$u = 0.995761 - 0.156820I$		
$a = -0.222456 - 0.767537I$	$3.44526 - 4.94912I$	0
$b = -0.83941 - 2.00273I$		
$u = -1.012530 + 0.042524I$		
$a = -0.316472 + 0.782864I$	$5.66183 - 0.09728I$	0
$b = 1.82554 + 0.66888I$		
$u = -1.012530 - 0.042524I$		
$a = -0.316472 - 0.782864I$	$5.66183 + 0.09728I$	0
$b = 1.82554 - 0.66888I$		
$u = -0.960789 + 0.327128I$		
$a = -1.67573 - 0.53788I$	$2.24599 - 6.21367I$	0
$b = 0.573811 - 0.699430I$		
$u = -0.960789 - 0.327128I$		
$a = -1.67573 + 0.53788I$	$2.24599 + 6.21367I$	0
$b = 0.573811 + 0.699430I$		
$u = 0.905560 + 0.387213I$		
$a = 1.117890 - 0.286171I$	$1.65458 + 2.59253I$	0
$b = -0.333646 - 0.244719I$		
$u = 0.905560 - 0.387213I$		
$a = 1.117890 + 0.286171I$	$1.65458 - 2.59253I$	0
$b = -0.333646 + 0.244719I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.665433 + 0.773073I$		
$a = 0.227227 - 0.578619I$	$-0.77924 - 1.97467I$	0
$b = 0.927867 + 0.531487I$		
$u = -0.665433 - 0.773073I$		
$a = 0.227227 + 0.578619I$	$-0.77924 + 1.97467I$	0
$b = 0.927867 - 0.531487I$		
$u = 0.947015 + 0.184346I$		
$a = -1.53370 - 0.54169I$	$0.06734 + 2.02026I$	0
$b = 0.689578 + 0.125937I$		
$u = 0.947015 - 0.184346I$		
$a = -1.53370 + 0.54169I$	$0.06734 - 2.02026I$	0
$b = 0.689578 - 0.125937I$		
$u = 0.991552 + 0.329410I$		
$a = 2.02454 - 0.43908I$	$-3.51611 + 9.45267I$	0
$b = -0.511332 - 0.970263I$		
$u = 0.991552 - 0.329410I$		
$a = 2.02454 + 0.43908I$	$-3.51611 - 9.45267I$	0
$b = -0.511332 + 0.970263I$		
$u = -1.022900 + 0.233568I$		
$a = 1.59300 - 0.86822I$	$-4.94516 - 4.59022I$	0
$b = -0.534375 + 0.348376I$		
$u = -1.022900 - 0.233568I$		
$a = 1.59300 + 0.86822I$	$-4.94516 + 4.59022I$	0
$b = -0.534375 - 0.348376I$		
$u = -0.949398$		
$a = 1.81107$	-2.43501	0
$b = -0.915073$		
$u = 0.940257 + 0.110353I$		
$a = 0.877495 - 1.020720I$	$1.99013 + 3.91057I$	0
$b = -1.365760 - 0.120797I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.940257 - 0.110353I$		
$a = 0.877495 + 1.020720I$	$1.99013 - 3.91057I$	0
$b = -1.365760 + 0.120797I$		
$u = -0.977297 + 0.445677I$		
$a = -1.242200 + 0.390383I$	$-4.14393 - 0.12942I$	0
$b = -0.255815 - 0.424907I$		
$u = -0.977297 - 0.445677I$		
$a = -1.242200 - 0.390383I$	$-4.14393 + 0.12942I$	0
$b = -0.255815 + 0.424907I$		
$u = 0.939586 + 0.533139I$		
$a = -1.026660 - 0.963608I$	$-3.18828 - 1.94077I$	0
$b = -0.289039 - 0.097357I$		
$u = 0.939586 - 0.533139I$		
$a = -1.026660 + 0.963608I$	$-3.18828 + 1.94077I$	0
$b = -0.289039 + 0.097357I$		
$u = 0.952349 + 0.526982I$		
$a = -0.889049 - 0.707415I$	$2.18933 - 1.03709I$	0
$b = -1.382320 + 0.276137I$		
$u = 0.952349 - 0.526982I$		
$a = -0.889049 + 0.707415I$	$2.18933 + 1.03709I$	0
$b = -1.382320 - 0.276137I$		
$u = 0.180527 + 0.888125I$		
$a = -0.901850 + 0.760556I$	$-7.35446 - 1.74290I$	0
$b = -0.249599 + 1.045440I$		
$u = 0.180527 - 0.888125I$		
$a = -0.901850 - 0.760556I$	$-7.35446 + 1.74290I$	0
$b = -0.249599 - 1.045440I$		
$u = -0.863621 + 0.269420I$		
$a = 0.038865 - 0.642852I$	$-0.89229 - 2.62212I$	0
$b = -0.412835 - 1.143140I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.863621 - 0.269420I$		
$a = 0.038865 + 0.642852I$	$-0.89229 + 2.62212I$	0
$b = -0.412835 + 1.143140I$		
$u = -0.096232 + 1.094430I$		
$a = 0.887299 + 0.457796I$	$1.03726 + 3.47735I$	0
$b = 0.676233 + 0.624368I$		
$u = -0.096232 - 1.094430I$		
$a = 0.887299 - 0.457796I$	$1.03726 - 3.47735I$	0
$b = 0.676233 - 0.624368I$		
$u = -0.867137 + 0.227443I$		
$a = 0.664833 + 0.617823I$	$-4.02573 - 8.08694I$	0
$b = -0.01210 + 2.70109I$		
$u = -0.867137 - 0.227443I$		
$a = 0.664833 - 0.617823I$	$-4.02573 + 8.08694I$	0
$b = -0.01210 - 2.70109I$		
$u = 0.156814 + 1.098300I$		
$a = -1.030160 + 0.457830I$	$2.45324 - 8.83016I$	0
$b = -0.943074 + 0.722792I$		
$u = 0.156814 - 1.098300I$		
$a = -1.030160 - 0.457830I$	$2.45324 + 8.83016I$	0
$b = -0.943074 - 0.722792I$		
$u = -0.177578 + 1.097880I$		
$a = 1.098380 + 0.499845I$	$-3.56242 + 13.15990I$	0
$b = 1.080490 + 0.868581I$		
$u = -0.177578 - 1.097880I$		
$a = 1.098380 - 0.499845I$	$-3.56242 - 13.15990I$	0
$b = 1.080490 - 0.868581I$		
$u = 0.801356 + 0.357639I$		
$a = 0.211805 - 0.263722I$	$-7.22523 + 4.37051I$	0
$b = 0.55333 - 1.69086I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.801356 - 0.357639I$		
$a = 0.211805 + 0.263722I$	$-7.22523 - 4.37051I$	0
$b = 0.55333 + 1.69086I$		
$u = -0.677192 + 0.532116I$		
$a = 1.22550 - 0.89397I$	$0.49068 - 2.16297I$	0
$b = 0.325908 - 0.517957I$		
$u = -0.677192 - 0.532116I$		
$a = 1.22550 + 0.89397I$	$0.49068 + 2.16297I$	0
$b = 0.325908 + 0.517957I$		
$u = -0.253184 + 1.118540I$		
$a = -0.645230 - 0.209736I$	$-1.78631 + 3.15535I$	0
$b = -0.742559 - 0.446593I$		
$u = -0.253184 - 1.118540I$		
$a = -0.645230 + 0.209736I$	$-1.78631 - 3.15535I$	0
$b = -0.742559 + 0.446593I$		
$u = -0.775010 + 0.335653I$		
$a = -1.49027 - 0.18784I$	$-4.12735 + 5.42432I$	0
$b = 1.03264 - 1.59318I$		
$u = -0.775010 - 0.335653I$		
$a = -1.49027 + 0.18784I$	$-4.12735 - 5.42432I$	0
$b = 1.03264 + 1.59318I$		
$u = 0.381711 + 0.747319I$		
$a = -0.508385 - 0.935626I$	$3.08868 + 3.12603I$	0
$b = -1.030840 + 0.114718I$		
$u = 0.381711 - 0.747319I$		
$a = -0.508385 + 0.935626I$	$3.08868 - 3.12603I$	0
$b = -1.030840 - 0.114718I$		
$u = 0.677307 + 0.479418I$		
$a = -0.959029 + 0.608697I$	$-7.48981 - 0.76566I$	0
$b = 1.147290 + 0.688353I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.677307 - 0.479418I$		
$a = -0.959029 - 0.608697I$	$-7.48981 + 0.76566I$	0
$b = 1.147290 - 0.688353I$		
$u = 0.439527 + 1.097660I$		
$a = 0.531971 - 0.006531I$	$-1.32780 + 1.36080I$	0
$b = 0.431681 - 0.279722I$		
$u = 0.439527 - 1.097660I$		
$a = 0.531971 + 0.006531I$	$-1.32780 - 1.36080I$	0
$b = 0.431681 + 0.279722I$		
$u = -1.073910 + 0.509333I$		
$a = 0.435785 - 0.982606I$	$6.39536 - 1.71581I$	0
$b = 1.47076 - 0.00231I$		
$u = -1.073910 - 0.509333I$		
$a = 0.435785 + 0.982606I$	$6.39536 + 1.71581I$	0
$b = 1.47076 + 0.00231I$		
$u = -1.102960 + 0.455345I$		
$a = 0.53637 + 1.53987I$	$2.40570 - 7.60763I$	0
$b = -1.44783 + 1.60931I$		
$u = -1.102960 - 0.455345I$		
$a = 0.53637 - 1.53987I$	$2.40570 + 7.60763I$	0
$b = -1.44783 - 1.60931I$		
$u = 0.788812 + 0.129788I$		
$a = -0.03648 - 1.50672I$	$-0.490370 - 0.236987I$	0
$b = 0.329050 - 0.928368I$		
$u = 0.788812 - 0.129788I$		
$a = -0.03648 + 1.50672I$	$-0.490370 + 0.236987I$	0
$b = 0.329050 + 0.928368I$		
$u = 1.143600 + 0.423408I$		
$a = -0.055369 - 1.256870I$	$2.78962 + 4.09503I$	0
$b = -1.62856 - 0.22646I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.143600 - 0.423408I$		
$a = -0.055369 + 1.256870I$	$2.78962 - 4.09503I$	0
$b = -1.62856 + 0.22646I$		
$u = 1.161030 + 0.373280I$		
$a = 0.547399 - 0.852433I$	$-2.98025 + 6.85607I$	0
$b = -1.40420 - 1.35000I$		
$u = 1.161030 - 0.373280I$		
$a = 0.547399 + 0.852433I$	$-2.98025 - 6.85607I$	0
$b = -1.40420 + 1.35000I$		
$u = -1.192180 + 0.266198I$		
$a = 0.119991 + 0.494450I$	$-0.46667 - 8.68353I$	0
$b = -2.15150 + 1.08202I$		
$u = -1.192180 - 0.266198I$		
$a = 0.119991 - 0.494450I$	$-0.46667 + 8.68353I$	0
$b = -2.15150 - 1.08202I$		
$u = 1.204900 + 0.248316I$		
$a = -0.216469 + 1.272930I$	$4.55521 + 4.15623I$	0
$b = 0.247465 + 0.663571I$		
$u = 1.204900 - 0.248316I$		
$a = -0.216469 - 1.272930I$	$4.55521 - 4.15623I$	0
$b = 0.247465 - 0.663571I$		
$u = 1.157320 + 0.444718I$		
$a = -0.33903 + 1.52701I$	$6.68328 + 6.03023I$	0
$b = 1.41902 + 1.12486I$		
$u = 1.157320 - 0.444718I$		
$a = -0.33903 - 1.52701I$	$6.68328 - 6.03023I$	0
$b = 1.41902 - 1.12486I$		
$u = -0.104805 + 0.742473I$		
$a = -1.63727 - 0.49313I$	$-0.759364 - 0.251461I$	0
$b = -1.315660 - 0.362701I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.104805 - 0.742473I$		
$a = -1.63727 + 0.49313I$	$-0.759364 + 0.251461I$	0
$b = -1.315660 + 0.362701I$		
$u = 0.203821 + 1.238700I$		
$a = 0.563722 - 0.312244I$	$-8.34882 - 6.21982I$	0
$b = 0.797764 - 0.681525I$		
$u = 0.203821 - 1.238700I$		
$a = 0.563722 + 0.312244I$	$-8.34882 + 6.21982I$	0
$b = 0.797764 + 0.681525I$		
$u = -1.203770 + 0.363815I$		
$a = -0.352127 - 0.887998I$	$3.52882 - 4.29863I$	0
$b = 1.13437 - 0.84632I$		
$u = -1.203770 - 0.363815I$		
$a = -0.352127 + 0.887998I$	$3.52882 + 4.29863I$	0
$b = 1.13437 + 0.84632I$		
$u = -0.726023 + 0.057363I$		
$a = -0.02709 - 2.28085I$	$-6.24327 + 2.81788I$	0
$b = -0.408026 - 1.136080I$		
$u = -0.726023 - 0.057363I$		
$a = -0.02709 + 2.28085I$	$-6.24327 - 2.81788I$	0
$b = -0.408026 + 1.136080I$		
$u = -1.182400 + 0.477988I$		
$a = 0.15640 + 1.62156I$	$2.38272 - 4.27099I$	0
$b = -1.67251 + 0.78530I$		
$u = -1.182400 - 0.477988I$		
$a = 0.15640 - 1.62156I$	$2.38272 + 4.27099I$	0
$b = -1.67251 - 0.78530I$		
$u = -1.257260 + 0.347278I$		
$a = 0.257115 + 1.341720I$	$7.71716 - 6.70943I$	0
$b = -0.849485 + 0.541354I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.257260 - 0.347278I$		
$a = 0.257115 - 1.341720I$	$7.71716 + 6.70943I$	0
$b = -0.849485 - 0.541354I$		
$u = 1.298120 + 0.128170I$		
$a = 0.041391 + 0.468615I$	$6.24725 + 3.31596I$	0
$b = 1.30327 + 1.66542I$		
$u = 1.298120 - 0.128170I$		
$a = 0.041391 - 0.468615I$	$6.24725 - 3.31596I$	0
$b = 1.30327 - 1.66542I$		
$u = -0.519635 + 1.211370I$		
$a = -0.345095 - 0.080928I$	$-7.75612 - 5.05750I$	0
$b = -0.137004 - 0.488716I$		
$u = -0.519635 - 1.211370I$		
$a = -0.345095 + 0.080928I$	$-7.75612 + 5.05750I$	0
$b = -0.137004 + 0.488716I$		
$u = 0.296596 + 0.613764I$		
$a = 0.216062 + 1.144900I$	$0.050700 + 1.129900I$	$-4.00000 - 2.88520I$
$b = -0.097240 + 0.765571I$		
$u = 0.296596 - 0.613764I$		
$a = 0.216062 - 1.144900I$	$0.050700 - 1.129900I$	$-4.00000 + 2.88520I$
$b = -0.097240 - 0.765571I$		
$u = 1.244990 + 0.488341I$		
$a = 0.317489 - 0.891339I$	$-4.01631 + 6.74718I$	0
$b = -0.99763 - 1.42621I$		
$u = 1.244990 - 0.488341I$		
$a = 0.317489 + 0.891339I$	$-4.01631 - 6.74718I$	0
$b = -0.99763 + 1.42621I$		
$u = 1.309360 + 0.287091I$		
$a = 0.286433 - 0.785035I$	$3.91965 + 1.18536I$	0
$b = -0.804040 - 0.349681I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.309360 - 0.287091I$		
$a = 0.286433 + 0.785035I$	$3.91965 - 1.18536I$	0
$b = -0.804040 + 0.349681I$		
$u = 0.386831 + 0.517154I$		
$a = -1.77518 - 0.72951I$	$-4.59967 + 6.20898I$	$-7.15310 - 5.19968I$
$b = -0.574014 - 0.862163I$		
$u = 0.386831 - 0.517154I$		
$a = -1.77518 + 0.72951I$	$-4.59967 - 6.20898I$	$-7.15310 + 5.19968I$
$b = -0.574014 + 0.862163I$		
$u = 0.628761 + 0.110169I$		
$a = 1.67192 + 0.60080I$	$2.38235 - 3.35414I$	$-1.39141 - 1.42609I$
$b = -0.819952 - 0.792485I$		
$u = 0.628761 - 0.110169I$		
$a = 1.67192 - 0.60080I$	$2.38235 + 3.35414I$	$-1.39141 + 1.42609I$
$b = -0.819952 + 0.792485I$		
$u = -0.632779$		
$a = -1.09730$	-2.83002	-0.523720
$b = -0.556681$		
$u = 1.313040 + 0.396148I$		
$a = -0.261069 + 1.329340I$	$3.23818 + 9.35296I$	0
$b = 1.122220 + 0.371338I$		
$u = 1.313040 - 0.396148I$		
$a = -0.261069 - 1.329340I$	$3.23818 - 9.35296I$	0
$b = 1.122220 - 0.371338I$		
$u = 0.083162 + 0.619005I$		
$a = 1.77770 - 0.95484I$	$3.65274 - 1.94762I$	$2.25344 + 2.76129I$
$b = 0.966850 - 0.529210I$		
$u = 0.083162 - 0.619005I$		
$a = 1.77770 + 0.95484I$	$3.65274 + 1.94762I$	$2.25344 - 2.76129I$
$b = 0.966850 + 0.529210I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.301289 + 0.534052I$		
$a = -2.27993 - 0.67671I$	$0.06790 + 3.57933I$	$-8.54365 - 4.70573I$
$b = -0.617728 - 1.133520I$		
$u = -0.301289 - 0.534052I$		
$a = -2.27993 + 0.67671I$	$0.06790 - 3.57933I$	$-8.54365 + 4.70573I$
$b = -0.617728 + 1.133520I$		
$u = -1.229360 + 0.646474I$		
$a = 0.045587 + 0.631812I$	$-5.15370 - 1.46543I$	0
$b = -0.745416 + 0.820547I$		
$u = -1.229360 - 0.646474I$		
$a = 0.045587 - 0.631812I$	$-5.15370 + 1.46543I$	0
$b = -0.745416 - 0.820547I$		
$u = -1.379710 + 0.166727I$		
$a = -0.180214 - 0.544809I$	$5.48382 - 3.76822I$	0
$b = 0.16989 - 1.66262I$		
$u = -1.379710 - 0.166727I$		
$a = -0.180214 + 0.544809I$	$5.48382 + 3.76822I$	0
$b = 0.16989 + 1.66262I$		
$u = -1.384500 + 0.123514I$		
$a = -0.324361 - 0.740298I$	$-1.52673 + 1.19749I$	0
$b = 0.449961 - 0.033367I$		
$u = -1.384500 - 0.123514I$		
$a = -0.324361 + 0.740298I$	$-1.52673 - 1.19749I$	0
$b = 0.449961 + 0.033367I$		
$u = 1.251080 + 0.610775I$		
$a = -0.014390 + 0.867157I$	$1.50165 + 4.75171I$	0
$b = 1.028680 + 0.651325I$		
$u = 1.251080 - 0.610775I$		
$a = -0.014390 - 0.867157I$	$1.50165 - 4.75171I$	0
$b = 1.028680 - 0.651325I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.461960 + 0.388546I$		
$a = 0.69044 + 1.84271I$	$0.90909 + 3.03402I$	$-4.59309 - 2.39121I$
$b = 0.372536 + 1.114660I$		
$u = -0.461960 - 0.388546I$		
$a = 0.69044 - 1.84271I$	$0.90909 - 3.03402I$	$-4.59309 + 2.39121I$
$b = 0.372536 - 1.114660I$		
$u = 0.518240 + 0.259555I$		
$a = -1.23652 + 2.37914I$	$-4.92898 - 6.53822I$	$-9.87771 + 2.27426I$
$b = -0.384698 + 1.359050I$		
$u = 0.518240 - 0.259555I$		
$a = -1.23652 - 2.37914I$	$-4.92898 + 6.53822I$	$-9.87771 - 2.27426I$
$b = -0.384698 - 1.359050I$		
$u = -1.29457 + 0.60024I$		
$a = 0.167786 + 0.951560I$	$1.60097 - 9.25037I$	0
$b = -1.22706 + 0.74096I$		
$u = -1.29457 - 0.60024I$		
$a = 0.167786 - 0.951560I$	$1.60097 + 9.25037I$	0
$b = -1.22706 - 0.74096I$		
$u = -0.551222 + 0.144454I$		
$a = 1.58026 + 0.28066I$	$-1.59564 + 0.01650I$	$-8.59999 + 1.02896I$
$b = -0.706667 + 0.147464I$		
$u = -0.551222 - 0.144454I$		
$a = 1.58026 - 0.28066I$	$-1.59564 - 0.01650I$	$-8.59999 - 1.02896I$
$b = -0.706667 - 0.147464I$		
$u = -1.30004 + 0.59827I$		
$a = -0.190725 - 1.209080I$	$-0.0408 - 19.1720I$	0
$b = 1.57225 - 1.06569I$		
$u = -1.30004 - 0.59827I$		
$a = -0.190725 + 1.209080I$	$-0.0408 + 19.1720I$	0
$b = 1.57225 + 1.06569I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.30757 + 0.58740I$		
$a = 0.144170 - 1.147790I$	$6.0708 + 14.8010I$	0
$b = -1.42128 - 1.01321I$		
$u = 1.30757 - 0.58740I$		
$a = 0.144170 + 1.147790I$	$6.0708 - 14.8010I$	0
$b = -1.42128 + 1.01321I$		
$u = -1.31939 + 0.56354I$		
$a = -0.129572 - 1.033900I$	$4.87289 - 9.32445I$	0
$b = 1.19996 - 1.04719I$		
$u = -1.31939 - 0.56354I$		
$a = -0.129572 + 1.033900I$	$4.87289 + 9.32445I$	0
$b = 1.19996 + 1.04719I$		
$u = 1.32420 + 0.61903I$		
$a = -0.269265 + 0.927893I$	$-4.72137 + 12.63410I$	0
$b = 1.31716 + 0.86445I$		
$u = 1.32420 - 0.61903I$		
$a = -0.269265 - 0.927893I$	$-4.72137 - 12.63410I$	0
$b = 1.31716 - 0.86445I$		
$u = 1.29931 + 0.67407I$		
$a = -0.010764 - 0.609932I$	$5.36336 + 2.85586I$	0
$b = -1.279530 - 0.186124I$		
$u = 1.29931 - 0.67407I$		
$a = -0.010764 + 0.609932I$	$5.36336 - 2.85586I$	0
$b = -1.279530 + 0.186124I$		
$u = -1.43411 + 0.32325I$		
$a = -0.189948 + 0.650715I$	$7.92563 + 3.63782I$	0
$b = -0.808731 + 0.148963I$		
$u = -1.43411 - 0.32325I$		
$a = -0.189948 - 0.650715I$	$7.92563 - 3.63782I$	0
$b = -0.808731 - 0.148963I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.45325 + 0.30305I$		
$a = 0.210685 + 0.698484I$	$2.05122 - 8.00110I$	0
$b = 0.807267 - 0.090714I$		
$u = 1.45325 - 0.30305I$		
$a = 0.210685 - 0.698484I$	$2.05122 + 8.00110I$	0
$b = 0.807267 + 0.090714I$		
$u = 1.44053 + 0.39155I$		
$a = 0.200747 + 0.569140I$	$6.16457 + 1.98037I$	0
$b = 0.615766 + 0.382985I$		
$u = 1.44053 - 0.39155I$		
$a = 0.200747 - 0.569140I$	$6.16457 - 1.98037I$	0
$b = 0.615766 - 0.382985I$		
$u = -0.059753 + 0.486288I$		
$a = -1.58206 + 1.21971I$	$-6.25668 - 3.45644I$	$-7.95779 + 1.87920I$
$b = -0.525144 + 1.170870I$		
$u = -0.059753 - 0.486288I$		
$a = -1.58206 - 1.21971I$	$-6.25668 + 3.45644I$	$-7.95779 - 1.87920I$
$b = -0.525144 - 1.170870I$		
$u = 0.131339 + 0.463577I$		
$a = 0.726996 + 0.878139I$	$-0.204329 + 1.049600I$	$-3.55621 - 5.69708I$
$b = 0.261570 + 0.561742I$		
$u = 0.131339 - 0.463577I$		
$a = 0.726996 - 0.878139I$	$-0.204329 - 1.049600I$	$-3.55621 + 5.69708I$
$b = 0.261570 - 0.561742I$		
$u = -1.27542 + 0.85016I$		
$a = 0.016490 - 0.461253I$	$0.41144 - 4.64544I$	0
$b = 1.228330 - 0.277684I$		
$u = -1.27542 - 0.85016I$		
$a = 0.016490 + 0.461253I$	$0.41144 + 4.64544I$	0
$b = 1.228330 + 0.277684I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.46548 + 0.55433I$		
$a = -0.153334 - 0.640912I$	$1.79231 - 1.69511I$	0
$b = 1.278780 - 0.097748I$		
$u = -1.46548 - 0.55433I$		
$a = -0.153334 + 0.640912I$	$1.79231 + 1.69511I$	0
$b = 1.278780 + 0.097748I$		

$$\text{II. } I_2^u = \langle -1.14 \times 10^{14}u^{34} + 7.31 \times 10^{13}u^{33} + \dots + 2.34 \times 10^{12}b - 1.06 \times 10^{14}, 4.95 \times 10^{13}u^{34} - 1.52 \times 10^{13}u^{33} + \dots + 2.34 \times 10^{12}a + 1.31 \times 10^{14}, u^{35} - u^{34} + \dots + 11u^2 - 1 \rangle$$

(i) Arc colorings

$$\begin{aligned} a_6 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_7 &= \begin{pmatrix} 1 \\ -u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} -21.1408u^{34} + 6.48017u^{33} + \dots - 85.8975u - 55.9435 \\ 48.5245u^{34} - 31.2328u^{33} + \dots + 107.689u + 45.3043 \end{pmatrix} \\ a_{12} &= \begin{pmatrix} u \\ -u^3 + u \end{pmatrix} \\ a_4 &= \begin{pmatrix} -46.0627u^{34} + 22.9330u^{33} + \dots - 151.903u - 84.8837 \\ 33.0410u^{34} - 22.7747u^{33} + \dots + 66.6053u + 24.8333 \end{pmatrix} \\ a_2 &= \begin{pmatrix} -69.6653u^{34} + 37.7129u^{33} + \dots - 193.586u - 101.248 \\ 48.5245u^{34} - 31.2328u^{33} + \dots + 107.689u + 45.3043 \end{pmatrix} \\ a_8 &= \begin{pmatrix} -7.32322u^{34} - 7.63691u^{33} + \dots - 17.4117u - 28.4680 \\ -9.08846u^{34} - 4.41940u^{33} + \dots - 35.3641u - 30.4775 \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -5.17953u^{34} - 9.28015u^{33} + \dots - 7.61022u - 26.5787 \\ 53.9109u^{34} - 35.0662u^{33} + \dots + 120.036u + 49.7160 \end{pmatrix} \\ a_1 &= \begin{pmatrix} 38.0705u^{34} - 18.3704u^{33} + \dots + 73.9366u + 41.3601 \\ 3.58637u^{34} + 4.71758u^{33} + \dots + 26.3203u + 29.1203 \end{pmatrix} \\ a_9 &= \begin{pmatrix} 39.9725u^{34} - 14.9017u^{33} + \dots + 130.207u + 72.9861 \\ -5.55554u^{34} + 1.49297u^{33} + \dots - 10.2532u - 12.6239 \end{pmatrix} \\ a_5 &= \begin{pmatrix} -53.6809u^{34} + 33.5964u^{33} + \dots - 175.125u - 78.3608 \\ 4.42308u^{34} + 4.22463u^{33} + \dots - 2.98053u + 5.68707 \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes

$$= -\frac{304005565967963}{1170847270735}u^{34} + \frac{160381532917453}{2341694541470}u^{33} + \dots - \frac{854830395440697}{1170847270735}u - \frac{1164115765444817}{2341694541470}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{35} - 14u^{34} + \cdots + 16u - 1$
c_2	$u^{35} - 5u^{34} + \cdots + 3u - 1$
c_3	$u^{35} - 3u^{34} + \cdots + 3u + 1$
c_4, c_5	$u^{35} + 3u^{34} + \cdots - 3u - 1$
c_6	$u^{35} - u^{34} + \cdots + 11u^2 - 1$
c_7	$u^{35} + 6u^{33} + \cdots + 3u + 1$
c_8	$u^{35} - 3u^{34} + \cdots - 3u + 1$
c_9	$u^{35} - 2u^{34} + \cdots - 2u - 1$
c_{10}	$u^{35} - u^{34} + \cdots - 3u - 1$
c_{11}	$u^{35} + u^{34} + \cdots - 11u^2 + 1$
c_{12}	$u^{35} + 2u^{34} + \cdots - 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{35} + 6y^{34} + \cdots + 62y - 1$
c_2	$y^{35} + 9y^{34} + \cdots - 49y - 1$
c_3	$y^{35} + 27y^{34} + \cdots + 3y - 1$
c_4, c_5, c_8	$y^{35} - 35y^{34} + \cdots + 9y - 1$
c_6, c_{11}	$y^{35} - 21y^{34} + \cdots + 22y - 1$
c_7	$y^{35} + 12y^{34} + \cdots - 3y - 1$
c_9, c_{12}	$y^{35} + 32y^{34} + \cdots + 42y - 1$
c_{10}	$y^{35} + 9y^{34} + \cdots - 23y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.325840 + 0.871911I$		
$a = 0.390565 + 0.011728I$	$-1.47177 - 1.92215I$	$-6.90681 + 7.33686I$
$b = 0.176431 - 0.355089I$		
$u = -0.325840 - 0.871911I$		
$a = 0.390565 - 0.011728I$	$-1.47177 + 1.92215I$	$-6.90681 - 7.33686I$
$b = 0.176431 + 0.355089I$		
$u = 0.964498 + 0.482459I$		
$a = -0.847622 - 0.595829I$	$-4.76170 - 0.79129I$	$-8.71502 + 0.60365I$
$b = -0.008201 + 0.215202I$		
$u = 0.964498 - 0.482459I$		
$a = -0.847622 + 0.595829I$	$-4.76170 + 0.79129I$	$-8.71502 - 0.60365I$
$b = -0.008201 - 0.215202I$		
$u = -0.171729 + 0.832899I$		
$a = 0.784449 - 0.786628I$	$1.95739 - 2.11994I$	$-2.77028 + 2.10230I$
$b = 0.642782 - 0.123979I$		
$u = -0.171729 - 0.832899I$		
$a = 0.784449 + 0.786628I$	$1.95739 + 2.11994I$	$-2.77028 - 2.10230I$
$b = 0.642782 + 0.123979I$		
$u = -0.765862 + 0.272431I$		
$a = 1.127610 - 0.778868I$	$-0.83179 - 1.61396I$	$-8.84847 + 1.88186I$
$b = -0.172603 - 0.545768I$		
$u = -0.765862 - 0.272431I$		
$a = 1.127610 + 0.778868I$	$-0.83179 + 1.61396I$	$-8.84847 - 1.88186I$
$b = -0.172603 + 0.545768I$		
$u = -1.160300 + 0.256696I$		
$a = 0.838279 + 0.555396I$	$-1.96634 - 8.30516I$	$-2.54260 + 7.40784I$
$b = -1.06880 + 1.55168I$		
$u = -1.160300 - 0.256696I$		
$a = 0.838279 - 0.555396I$	$-1.96634 + 8.30516I$	$-2.54260 - 7.40784I$
$b = -1.06880 - 1.55168I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.118450 + 0.409088I$		
$a = 0.34414 + 1.76609I$	$3.05459 - 6.26586I$	$-1.04301 + 6.03627I$
$b = -1.35105 + 1.03697I$		
$u = -1.118450 - 0.409088I$		
$a = 0.34414 - 1.76609I$	$3.05459 + 6.26586I$	$-1.04301 - 6.03627I$
$b = -1.35105 - 1.03697I$		
$u = 0.304888 + 1.166800I$		
$a = -0.193065 - 0.227691I$	$-7.68931 + 5.51840I$	$-4.00000 - 9.14652I$
$b = -0.312784 - 0.584209I$		
$u = 0.304888 - 1.166800I$		
$a = -0.193065 + 0.227691I$	$-7.68931 - 5.51840I$	$-4.00000 + 9.14652I$
$b = -0.312784 + 0.584209I$		
$u = 0.772488 + 0.166970I$		
$a = -1.04596 - 1.50079I$	$-6.11900 + 3.62566I$	$-7.16492 - 4.45275I$
$b = 0.026781 - 1.161370I$		
$u = 0.772488 - 0.166970I$		
$a = -1.04596 + 1.50079I$	$-6.11900 - 3.62566I$	$-7.16492 + 4.45275I$
$b = 0.026781 + 1.161370I$		
$u = 1.006800 + 0.739946I$		
$a = 0.058372 - 0.681844I$	$-0.10339 + 4.76147I$	$-7.41315 - 7.75159I$
$b = -1.342690 - 0.294027I$		
$u = 1.006800 - 0.739946I$		
$a = 0.058372 + 0.681844I$	$-0.10339 - 4.76147I$	$-7.41315 + 7.75159I$
$b = -1.342690 + 0.294027I$		
$u = -0.740550 + 0.056759I$		
$a = -1.52690 - 0.56575I$	$-3.94181 + 6.89915I$	$-2.84529 - 4.69651I$
$b = 0.02039 - 1.94305I$		
$u = -0.740550 - 0.056759I$		
$a = -1.52690 + 0.56575I$	$-3.94181 - 6.89915I$	$-2.84529 + 4.69651I$
$b = 0.02039 + 1.94305I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.195820 + 0.407470I$		
$a = -0.321281 + 1.273300I$	$5.89269 + 6.11137I$	$-4.00000 - 6.28916I$
$b = 1.06723 + 1.09049I$		
$u = 1.195820 - 0.407470I$		
$a = -0.321281 - 1.273300I$	$5.89269 - 6.11137I$	$-4.00000 + 6.28916I$
$b = 1.06723 - 1.09049I$		
$u = -1.226240 + 0.563205I$		
$a = 0.001019 - 0.706063I$	$5.08134 - 2.69860I$	0
$b = 1.331550 - 0.254767I$		
$u = -1.226240 - 0.563205I$		
$a = 0.001019 + 0.706063I$	$5.08134 + 2.69860I$	0
$b = 1.331550 + 0.254767I$		
$u = 0.646388 + 0.045227I$		
$a = 1.44904 - 0.45860I$	$2.38905 + 4.03609I$	$-1.53405 - 8.74854I$
$b = -0.470716 + 1.308020I$		
$u = 0.646388 - 0.045227I$		
$a = 1.44904 + 0.45860I$	$2.38905 - 4.03609I$	$-1.53405 + 8.74854I$
$b = -0.470716 - 1.308020I$		
$u = 1.349210 + 0.092260I$		
$a = -0.233513 + 0.507521I$	$5.70697 + 4.18122I$	0. - 13.82511I
$b = 0.11290 + 1.68065I$		
$u = 1.349210 - 0.092260I$		
$a = -0.233513 - 0.507521I$	$5.70697 - 4.18122I$	0. + 13.82511I
$b = 0.11290 - 1.68065I$		
$u = -1.345380 + 0.316226I$		
$a = 0.086757 - 0.520788I$	$5.74209 - 2.54628I$	0
$b = 1.023980 - 0.904444I$		
$u = -1.345380 - 0.316226I$		
$a = 0.086757 + 0.520788I$	$5.74209 + 2.54628I$	0
$b = 1.023980 + 0.904444I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.29900 + 0.59734I$		
$a = 0.035275 - 0.826512I$	$1.36041 + 1.84626I$	0
$b = -1.411430 - 0.064333I$		
$u = 1.29900 - 0.59734I$		
$a = 0.035275 + 0.826512I$	$1.36041 - 1.84626I$	0
$b = -1.411430 + 0.064333I$		
$u = -0.438627 + 0.327388I$		
$a = -2.70959 + 0.27779I$	$0.79161 + 2.91754I$	$-3.54877 + 0.21181I$
$b = -0.546026 - 0.539624I$		
$u = -0.438627 - 0.327388I$		
$a = -2.70959 - 0.27779I$	$0.79161 - 2.91754I$	$-3.54877 - 0.21181I$
$b = -0.546026 + 0.539624I$		
$u = 0.507757$		
$a = -2.47517$	-3.60235	-13.1570
$b = -0.435496$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{35} - 14u^{34} + \dots + 16u - 1)$ $\cdot (u^{142} + 3u^{141} + \dots - 5484992u - 358484)$
c_2	$(u^{35} - 5u^{34} + \dots + 3u - 1)$ $\cdot (u^{142} + 4u^{141} + \dots + 287961643u + 41067731)$
c_3	$(u^{35} - 3u^{34} + \dots + 3u + 1)(u^{142} - 2u^{141} + \dots + 113943u - 4559)$
c_4, c_5	$(u^{35} + 3u^{34} + \dots - 3u - 1)(u^{142} + 4u^{141} + \dots + 659u - 79)$
c_6	$(u^{35} - u^{34} + \dots + 11u^2 - 1)(u^{142} + 2u^{141} + \dots + 190u + 244)$
c_7	$(u^{35} + 6u^{33} + \dots + 3u + 1)(u^{142} + u^{141} + \dots - 118669u - 6359)$
c_8	$(u^{35} - 3u^{34} + \dots - 3u + 1)(u^{142} + 4u^{141} + \dots + 659u - 79)$
c_9	$(u^{35} - 2u^{34} + \dots - 2u - 1)(u^{142} - 9u^{141} + \dots + 352548u - 24091)$
c_{10}	$(u^{35} - u^{34} + \dots - 3u - 1)(u^{142} - 2u^{141} + \dots + 6.43768 \times 10^7 u - 5349403)$
c_{11}	$(u^{35} + u^{34} + \dots - 11u^2 + 1)(u^{142} + 2u^{141} + \dots + 190u + 244)$
c_{12}	$(u^{35} + 2u^{34} + \dots - 2u + 1)(u^{142} - 9u^{141} + \dots + 352548u - 24091)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{35} + 6y^{34} + \dots + 62y - 1)$ $\cdot (y^{142} - 19y^{141} + \dots - 3842346849688y + 128510778256)$
c_2	$(y^{35} + 9y^{34} + \dots - 49y - 1)$ $\cdot (y^{142} - 20y^{141} + \dots - 70044640456027673y + 1686558529488361)$
c_3	$(y^{35} + 27y^{34} + \dots + 3y - 1)$ $\cdot (y^{142} + 46y^{141} + \dots - 4311752777y + 20784481)$
c_4, c_5, c_8	$(y^{35} - 35y^{34} + \dots + 9y - 1)(y^{142} - 136y^{141} + \dots + 195349y + 6241)$
c_6, c_{11}	$(y^{35} - 21y^{34} + \dots + 22y - 1)$ $\cdot (y^{142} - 86y^{141} + \dots - 1799244y + 59536)$
c_7	$(y^{35} + 12y^{34} + \dots - 3y - 1)$ $\cdot (y^{142} + 43y^{141} + \dots + 7868694797y + 40436881)$
c_9, c_{12}	$(y^{35} + 32y^{34} + \dots + 42y - 1)$ $\cdot (y^{142} + 103y^{141} + \dots + 15947376892y + 580376281)$
c_{10}	$(y^{35} + 9y^{34} + \dots - 23y - 1)$ $\cdot (y^{142} + 48y^{141} + \dots + 1001793325679001y + 28616112456409)$