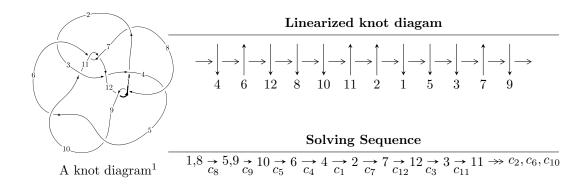
$12a_{0998} \ (K12a_{0998})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 9.23532 \times 10^{824} u^{161} - 6.57296 \times 10^{825} u^{160} + \dots + 3.97408 \times 10^{825} b + 3.77915 \times 10^{828}, \\ &8.54087 \times 10^{826} u^{161} + 2.27504 \times 10^{828} u^{160} + \dots + 5.48026 \times 10^{828} a - 3.72721 \times 10^{831}, \\ &u^{162} - 5u^{161} + \dots + 9133u - 1379 \rangle \\ I_2^u &= \langle 1.78669 \times 10^{27} u^{36} + 1.25651 \times 10^{26} u^{35} + \dots + 2.72369 \times 10^{26} b + 1.59434 \times 10^{27}, \\ &- 4.27607 \times 10^{26} u^{36} - 2.28243 \times 10^{26} u^{35} + \dots + 9.07896 \times 10^{25} a - 8.22612 \times 10^{26}, \\ &u^{37} + 13u^{35} + \dots + 4u + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 199 representations.

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

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

I.
$$I_1^u = \langle 9.24 \times 10^{824} u^{161} - 6.57 \times 10^{825} u^{160} + \dots + 3.97 \times 10^{825} b + 3.78 \times 10^{828}, \ 8.54 \times 10^{826} u^{161} + 2.28 \times 10^{828} u^{160} + \dots + 5.48 \times 10^{828} a - 3.73 \times 10^{831}, \ u^{162} - 5u^{161} + \dots + 9133u - 1379 \rangle$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.0155848u^{161} - 0.415133u^{160} + \cdots - 4034.89u + 680.116 \\ -0.232389u^{161} + 1.65396u^{160} + \cdots + 6136.17u - 950.950 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.249366u^{161} - 0.732722u^{160} + \cdots + 3590.36u - 671.653 \\ 0.135745u^{161} - 1.05334u^{160} + \cdots - 4779.66u + 770.743 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -0.0466441u^{161} + 0.613048u^{160} + \cdots + 5373.45u - 850.883 \\ 0.350662u^{161} - 1.95858u^{160} + \cdots + 4358.67u + 625.210 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -0.247974u^{161} + 1.23882u^{160} + \cdots + 2101.28u - 270.834 \\ -0.232389u^{161} + 1.65396u^{160} + \cdots + 6136.17u - 950.950 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.00569413u^{161} + 0.433509u^{160} + \cdots + 4147.58u - 695.597 \\ 0.152721u^{161} - 0.692554u^{160} + \cdots - 352.971u + 8.02221 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -0.998800u^{161} + 4.54500u^{160} + \cdots + 1553.00u + 63.4474 \\ -0.398050u^{161} + 2.01079u^{160} + \cdots + 2899.90u - 364.505 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 0.0423463u^{161} - 0.419826u^{160} + \cdots + 1724.26u + 272.260 \\ -0.244538u^{161} + 1.52800u^{160} + \cdots + 4601.97u - 693.378 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.813964u^{161} - 3.50192u^{160} + \cdots + 875.215u - 366.609 \\ 0.153738u^{161} - 0.776005u^{160} + \cdots + 875.215u - 366.609 \\ 0.153738u^{161} - 0.776005u^{160} + \cdots + 875.215u - 366.609 \\ 0.153738u^{161} - 0.776005u^{160} + \cdots - 978.802u + 117.885 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-0.322129u^{161} + 0.340512u^{160} + \cdots 12922.8u + 2312.72$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{162} + 10u^{161} + \dots + 154u - 7$
c_2	$u^{162} + 8u^{160} + \dots - 20u + 1$
c_3	$u^{162} - 2u^{161} + \dots + 7626293679u + 965121761$
c_4	$u^{162} + 7u^{161} + \dots + 31u - 1$
c_5, c_9	$u^{162} - 3u^{161} + \dots + 6218386u - 528361$
c_6, c_{11}	$u^{162} - 51u^{160} + \dots + 1717u + 437$
<i>C</i> ₇	$u^{162} + u^{161} + \dots - 6589604478u - 630454121$
c_8, c_{12}	$u^{162} + 5u^{161} + \dots - 9133u - 1379$
c_{10}	$u^{162} - 2u^{161} + \dots + 123u - 7$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{162} + 4y^{161} + \dots - 4116y + 49$
c_2	$y^{162} + 16y^{161} + \dots - 190y + 1$
c_3	$y^{162} - 54y^{161} + \dots - 2.99 \times 10^{18}y + 9.31 \times 10^{17}$
c_4	$y^{162} - 13y^{161} + \dots - 17y + 1$
c_5, c_9	$y^{162} - 131y^{161} + \dots - 29177786074y + 279165346321$
c_6, c_{11}	$y^{162} - 102y^{161} + \dots - 3102787y + 190969$
<i>C</i> ₇	$y^{162} + 73y^{161} + \dots + 2.01 \times 10^{19}y + 3.97 \times 10^{17}$
c_8, c_{12}	$y^{162} + 97y^{161} + \dots - 11736785y + 1901641$
c_{10}	$y^{162} - 6y^{161} + \dots - 5063y + 49$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.364438 + 0.934578I		
a = 0.86922 - 1.96405I	-5.55873 + 5.66135I	0
b = -0.332857 + 0.194362I		
u = -0.364438 - 0.934578I		
a = 0.86922 + 1.96405I	-5.55873 - 5.66135I	0
b = -0.332857 - 0.194362I		
u = -0.072129 + 1.027860I		
a = -0.636429 - 0.480890I	2.29357 - 2.45523I	0
b = -0.172441 + 0.679991I		
u = -0.072129 - 1.027860I		
a = -0.636429 + 0.480890I	2.29357 + 2.45523I	0
b = -0.172441 - 0.679991I		
u = 0.470589 + 0.920034I		
a = -0.07190 - 2.12268I	-0.83623 - 4.97202I	0
b = 0.76812 + 1.60658I		
u = 0.470589 - 0.920034I		
a = -0.07190 + 2.12268I	-0.83623 + 4.97202I	0
b = 0.76812 - 1.60658I		
u = 0.220408 + 1.010250I		
a = -0.400546 - 1.323730I	1.89460 - 2.94833I	0
b = -0.315050 + 1.042240I		
u = 0.220408 - 1.010250I		
a = -0.400546 + 1.323730I	1.89460 + 2.94833I	0
b = -0.315050 - 1.042240I		
u = 0.450212 + 0.931702I		
a = -0.54552 - 1.99644I	-2.71791 - 11.48510I	0
b = 0.543613 + 0.211021I		
u = 0.450212 - 0.931702I		
a = -0.54552 + 1.99644I	-2.71791 + 11.48510I	0
b = 0.543613 - 0.211021I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.824197 + 0.640695I		
a = 0.172573 - 0.338696I	-3.03988 + 5.26417I	0
b = 1.034890 - 0.230430I		
u = -0.824197 - 0.640695I		
a = 0.172573 + 0.338696I	-3.03988 - 5.26417I	0
b = 1.034890 + 0.230430I		
u = 0.372414 + 0.877222I		
a = 1.16096 + 1.73885I	-2.88184 + 0.92994I	0
b = -0.756263 - 0.088084I		
u = 0.372414 - 0.877222I		
a = 1.16096 - 1.73885I	-2.88184 - 0.92994I	0
b = -0.756263 + 0.088084I		
u = -0.311668 + 0.895614I		
a = -0.44991 + 2.51594I	-3.42601 + 1.93989I	0
b = 0.511881 - 1.204870I		
u = -0.311668 - 0.895614I		
a = -0.44991 - 2.51594I	-3.42601 - 1.93989I	0
b = 0.511881 + 1.204870I		
u = 0.214606 + 0.921083I		
a = -1.86429 + 1.76707I	-1.34785 - 9.76566I	0
b = 2.18602 - 1.91828I		
u = 0.214606 - 0.921083I		
a = -1.86429 - 1.76707I	-1.34785 + 9.76566I	0
b = 2.18602 + 1.91828I		
u = 0.363781 + 0.994655I		
a = -0.595660 - 0.023343I	-0.62485 - 1.65369I	0
b = 0.831366 - 0.015985I		
u = 0.363781 - 0.994655I		
a = -0.595660 + 0.023343I	-0.62485 + 1.65369I	0
b = 0.831366 + 0.015985I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.310080 + 0.888024I		
a = 0.36728 - 2.88425I	-5.38995 - 1.50217I	0
b = -0.65828 + 2.02432I		
u = -0.310080 - 0.888024I		
a = 0.36728 + 2.88425I	-5.38995 + 1.50217I	0
b = -0.65828 - 2.02432I		
u = -0.391447 + 0.847504I		
a = -0.66560 + 2.24197I	-3.89774 + 1.76552I	0
b = 0.713508 - 0.549552I		
u = -0.391447 - 0.847504I		
a = -0.66560 - 2.24197I	-3.89774 - 1.76552I	0
b = 0.713508 + 0.549552I		
u = -0.912869 + 0.183465I		
a = -0.0037704 + 0.1269540I	3.84065 - 1.36973I	0
b = -0.284123 + 0.658858I		
u = -0.912869 - 0.183465I		
a = -0.0037704 - 0.1269540I	3.84065 + 1.36973I	0
b = -0.284123 - 0.658858I		
u = -0.970833 + 0.477295I		
a = -0.693410 + 0.238527I	-3.86036 - 4.39205I	0
b = 0.997093 + 0.943625I		
u = -0.970833 - 0.477295I		
a = -0.693410 - 0.238527I	-3.86036 + 4.39205I	0
b = 0.997093 - 0.943625I		
u = -0.393745 + 1.010210I		
a = 0.42093 + 1.42013I	0.77778 + 4.28953I	0
b = 0.963756 - 0.962346I		
u = -0.393745 - 1.010210I		
a = 0.42093 - 1.42013I	0.77778 - 4.28953I	0
b = 0.963756 + 0.962346I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.320600 + 1.041220I		
a = -0.67910 - 1.50315I	3.13808 - 1.44812I	0
b = -0.711051 + 0.543143I		
u = -0.320600 - 1.041220I		
a = -0.67910 + 1.50315I	3.13808 + 1.44812I	0
b = -0.711051 - 0.543143I		
u = -0.116410 + 0.898199I		
a = 0.29642 + 2.39237I	0.46297 + 3.03319I	0
b = 0.578282 - 1.155400I		
u = -0.116410 - 0.898199I		
a = 0.29642 - 2.39237I	0.46297 - 3.03319I	0
b = 0.578282 + 1.155400I		
u = 0.097092 + 0.897734I		
a = 0.27466 + 2.05124I	1.19045 + 1.64565I	0
b = 0.88611 - 1.15198I		
u = 0.097092 - 0.897734I		
a = 0.27466 - 2.05124I	1.19045 - 1.64565I	0
b = 0.88611 + 1.15198I		
u = -0.891860 + 0.064694I		
a = -0.428218 - 0.116662I	0.89156 + 9.33028I	0
b = -0.678883 + 0.845513I		
u = -0.891860 - 0.064694I		
a = -0.428218 + 0.116662I	0.89156 - 9.33028I	0
b = -0.678883 - 0.845513I		
u = 0.786309 + 0.411248I		
a = -0.049283 + 0.540545I	0.10597 + 2.26797I	0
b = -0.403456 + 0.692027I		
u = 0.786309 - 0.411248I		
a = -0.049283 - 0.540545I	0.10597 - 2.26797I	0
b = -0.403456 - 0.692027I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.163941 + 1.106140I		
a = -0.357828 - 1.230940I	3.48167 - 0.20197I	0
b = -0.474645 + 0.827331I		
u = -0.163941 - 1.106140I		
a = -0.357828 + 1.230940I	3.48167 + 0.20197I	0
b = -0.474645 - 0.827331I		
u = 0.243873 + 0.840752I		
a = -0.51667 - 3.11789I	-1.54021 + 7.62998I	0
b = 0.44313 + 1.99332I		
u = 0.243873 - 0.840752I		
a = -0.51667 + 3.11789I	-1.54021 - 7.62998I	0
b = 0.44313 - 1.99332I		
u = 0.232019 + 0.837153I		
a = 0.047617 + 0.530137I	-3.26228 - 3.63513I	0
b = -1.71465 - 0.17854I		
u = 0.232019 - 0.837153I		
a = 0.047617 - 0.530137I	-3.26228 + 3.63513I	0
b = -1.71465 + 0.17854I		
u = 0.266581 + 1.102810I		
a = 1.10999 - 1.34708I	2.99165 - 5.15780I	0
b = 0.714540 + 0.568665I		
u = 0.266581 - 1.102810I		
a = 1.10999 + 1.34708I	2.99165 + 5.15780I	0
b = 0.714540 - 0.568665I		
u = -0.606113 + 0.609465I		
a = 0.45906 + 1.60732I	-3.06934 + 0.21594I	0
b = 0.0757464 - 0.0929989I		
u = -0.606113 - 0.609465I		
a = 0.45906 - 1.60732I	-3.06934 - 0.21594I	0
b = 0.0757464 + 0.0929989I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.344061 + 0.785259I		
a = -0.219841 - 0.017551I	-4.13877 + 1.49546I	0
b = 1.52017 + 0.23677I		
u = -0.344061 - 0.785259I		
a = -0.219841 + 0.017551I	-4.13877 - 1.49546I	0
b = 1.52017 - 0.23677I		
u = 0.377243 + 1.079690I		
a = 0.66964 + 2.29990I	-2.68655 - 6.47774I	0
b = -1.31043 - 1.54420I		
u = 0.377243 - 1.079690I		
a = 0.66964 - 2.29990I	-2.68655 + 6.47774I	0
b = -1.31043 + 1.54420I		
u = 0.661510 + 0.937882I		
a = 0.120789 + 1.176160I	-3.11658 - 2.42529I	0
b = -0.386487 - 0.072293I		
u = 0.661510 - 0.937882I		
a = 0.120789 - 1.176160I	-3.11658 + 2.42529I	0
b = -0.386487 + 0.072293I		
u = 0.771181 + 0.329252I		
a = -1.015280 - 0.069156I	-2.43641 + 0.42484I	0
b = 1.010490 - 0.465741I		
u = 0.771181 - 0.329252I		
a = -1.015280 + 0.069156I	-2.43641 - 0.42484I	0
b = 1.010490 + 0.465741I		
u = 1.157130 + 0.107211I		
a = -0.388259 + 0.150849I	-3.90579 + 1.42576I	0
b = 0.978873 - 0.510007I		
u = 1.157130 - 0.107211I		
a = -0.388259 - 0.150849I	-3.90579 - 1.42576I	0
b = 0.978873 + 0.510007I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.806838 + 0.159092I		
a = 0.406641 - 0.555858I	-2.92159 - 2.82949I	0
b = 0.749684 + 0.808394I		
u = 0.806838 - 0.159092I		
a = 0.406641 + 0.555858I	-2.92159 + 2.82949I	0
b = 0.749684 - 0.808394I		
u = 0.164300 + 1.166300I		
a = 0.40487 + 1.53897I	6.61795 - 5.56113I	0
b = -1.31111 - 1.24487I		
u = 0.164300 - 1.166300I		
a = 0.40487 - 1.53897I	6.61795 + 5.56113I	0
b = -1.31111 + 1.24487I		
u = -0.229741 + 1.168240I		
a = 1.073950 + 0.359029I	3.78599 + 6.86988I	0
b = -1.42203 - 0.52963I		
u = -0.229741 - 1.168240I		
a = 1.073950 - 0.359029I	3.78599 - 6.86988I	0
b = -1.42203 + 0.52963I		
u = 0.209152 + 1.172510I		
a = 0.546711 - 1.069460I	7.21378 + 2.63594I	0
b = 0.682784 + 0.910734I		
u = 0.209152 - 1.172510I		
a = 0.546711 + 1.069460I	7.21378 - 2.63594I	0
b = 0.682784 - 0.910734I		
u = 0.534017 + 1.065840I		
a = -0.532712 + 1.085270I	2.08854 - 7.19173I	0
b = -0.898208 - 0.947645I		
u = 0.534017 - 1.065840I		
a = -0.532712 - 1.085270I	2.08854 + 7.19173I	0
b = -0.898208 + 0.947645I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.186720 + 0.130375I		
a = 0.122739 - 0.267315I	-5.55147 - 3.48791I	0
b = -1.031870 - 0.353936I		
u = 1.186720 - 0.130375I		
a = 0.122739 + 0.267315I	-5.55147 + 3.48791I	0
b = -1.031870 + 0.353936I		
u = 0.699594 + 0.389663I		
a = 0.734219 + 0.561172I	-5.24687 + 2.56948I	0
b = -1.39063 + 0.71130I		
u = 0.699594 - 0.389663I		
a = 0.734219 - 0.561172I	-5.24687 - 2.56948I	0
b = -1.39063 - 0.71130I		
u = -0.205139 + 0.765278I		
a = 2.35615 + 0.84988I	-5.94594 + 4.08185I	0
b = -2.40542 - 1.00145I		
u = -0.205139 - 0.765278I		
a = 2.35615 - 0.84988I	-5.94594 - 4.08185I	0
b = -2.40542 + 1.00145I		
u = -1.191480 + 0.201121I		
a = 0.357582 - 0.038222I	-8.68398 - 7.97867I	0
b = -0.989193 - 0.638748I		
u = -1.191480 - 0.201121I		
a = 0.357582 + 0.038222I	-8.68398 + 7.97867I	0
b = -0.989193 + 0.638748I		
u = -0.574892 + 0.538574I		
a = -0.049805 + 0.670653I	-0.564082 - 0.508237I	0
b = 0.581537 + 0.538844I		
u = -0.574892 - 0.538574I		
a = -0.049805 - 0.670653I	-0.564082 + 0.508237I	0
b = 0.581537 - 0.538844I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.517573 + 0.589444I		
a = 0.528011 + 0.361764I	-3.71324 + 7.51749I	0
b = 1.286560 - 0.073312I		
u = 0.517573 - 0.589444I		
a = 0.528011 - 0.361764I	-3.71324 - 7.51749I	0
b = 1.286560 + 0.073312I		
u = -0.267810 + 0.736990I		
a = -1.103070 - 0.401870I	-3.97022 + 0.82701I	0
b = 1.73016 + 0.75060I		
u = -0.267810 - 0.736990I		
a = -1.103070 + 0.401870I	-3.97022 - 0.82701I	0
b = 1.73016 - 0.75060I		
u = 0.768778		
a = -0.651744	-2.34602	0
b = 0.848211		
u = 1.220030 + 0.201057I		
a = -0.355676 - 0.095655I	-4.6749 + 13.9821I	0
b = 0.973679 - 0.700983I		
u = 1.220030 - 0.201057I		
a = -0.355676 + 0.095655I	-4.6749 - 13.9821I	0
b = 0.973679 + 0.700983I		
u = 0.119079 + 1.248970I		
a = 0.046518 - 1.260750I	5.76699 - 0.13761I	0
b = 0.288159 + 1.223160I		
u = 0.119079 - 1.248970I		
a = 0.046518 + 1.260750I	5.76699 + 0.13761I	0
b = 0.288159 - 1.223160I		
u = 0.015363 + 0.744446I		
a = -0.68018 - 3.03958I	1.16480 + 3.56817I	0
b = -0.0651071 - 0.0587446I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.015363 - 0.744446I		
a = -0.68018 + 3.03958I	1.16480 - 3.56817I	0
b = -0.0651071 + 0.0587446I		
u = 0.451879 + 1.177700I		
a = -0.160243 + 0.918075I	1.42035 - 4.28275I	0
b = -0.955567 - 0.566284I		
u = 0.451879 - 1.177700I		
a = -0.160243 - 0.918075I	1.42035 + 4.28275I	0
b = -0.955567 + 0.566284I		
u = -0.405379 + 1.213330I		
a = -0.005210 + 1.060340I	2.42413 + 6.61656I	0
b = 1.23613 - 0.72021I		
u = -0.405379 - 1.213330I		
a = -0.005210 - 1.060340I	2.42413 - 6.61656I	0
b = 1.23613 + 0.72021I		
u = 0.232500 + 1.263780I		
a = -0.795764 + 0.021249I	2.99505 - 2.82754I	0
b = -0.175320 - 0.007922I		
u = 0.232500 - 1.263780I		
a = -0.795764 - 0.021249I	2.99505 + 2.82754I	0
b = -0.175320 + 0.007922I		
u = 0.458145 + 1.205510I		
a = -0.225543 - 1.361610I	1.19269 - 4.38789I	0
b = 0.632795 + 1.068440I		
u = 0.458145 - 1.205510I		
a = -0.225543 + 1.361610I	1.19269 + 4.38789I	0
b = 0.632795 - 1.068440I		
u = 0.355653 + 1.242190I		
a = -0.271384 + 0.724896I	1.90326 - 3.46781I	0
b = -0.436091 - 0.372334I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.355653 - 1.242190I		
a = -0.271384 - 0.724896I	1.90326 + 3.46781I	0
b = -0.436091 + 0.372334I		
u = -0.297337 + 0.639542I		
a = -0.885418 + 0.534884I	-6.51120 - 2.54569I	0
b = -1.199570 - 0.095345I		
u = -0.297337 - 0.639542I		
a = -0.885418 - 0.534884I	-6.51120 + 2.54569I	0
b = -1.199570 + 0.095345I		
u = 0.972236 + 0.857350I		
a = 0.639413 - 0.578890I	1.64760 + 3.82927I	0
b = -0.050352 + 1.081050I		
u = 0.972236 - 0.857350I		
a = 0.639413 + 0.578890I	1.64760 - 3.82927I	0
b = -0.050352 - 1.081050I		
u = 0.547963 + 1.186880I		
a = 0.26683 + 1.76222I	-2.63927 - 7.45734I	0
b = -1.33264 - 1.34488I		
u = 0.547963 - 1.186880I		
a = 0.26683 - 1.76222I	-2.63927 + 7.45734I	0
b = -1.33264 + 1.34488I		
u = 0.678007 + 0.047241I		
a = 0.140486 - 0.746286I	-5.50525 - 2.82985I	0
b = -1.240580 - 0.388666I		
u = 0.678007 - 0.047241I		
a = 0.140486 + 0.746286I	-5.50525 + 2.82985I	0
b = -1.240580 + 0.388666I		
u = -0.408977 + 1.268690I		
a = -0.060877 - 1.378580I	8.21262 + 3.04629I	0
b = -0.81864 + 1.18696I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.408977 - 1.268690I		
a = -0.060877 + 1.378580I	8.21262 - 3.04629I	0
b = -0.81864 - 1.18696I		
u = 0.661322 + 0.048311I		
a = -0.928372 + 0.296275I	-1.77744 + 0.10685I	0
b = -0.513047 + 0.152421I		
u = 0.661322 - 0.048311I		
a = -0.928372 - 0.296275I	-1.77744 - 0.10685I	0
b = -0.513047 - 0.152421I		
u = -0.659297 + 1.177180I		
a = 0.11442 + 1.61581I	-1.62101 + 10.37210I	0
b = 1.12442 - 1.44563I		
u = -0.659297 - 1.177180I		
a = 0.11442 - 1.61581I	-1.62101 - 10.37210I	0
b = 1.12442 + 1.44563I		
u = -0.468350 + 1.265950I		
a = -0.26558 - 1.46714I	4.8664 + 14.1213I	0
b = -0.97625 + 1.03305I		
u = -0.468350 - 1.265950I		
a = -0.26558 + 1.46714I	4.8664 - 14.1213I	0
b = -0.97625 - 1.03305I		
u = 0.438907 + 1.277280I		
a = 0.20120 - 1.63828I	1.33959 - 7.27539I	0
b = 0.841423 + 1.029190I		
u = 0.438907 - 1.277280I		
a = 0.20120 + 1.63828I	1.33959 + 7.27539I	0
b = 0.841423 - 1.029190I		
u = -0.644489		
a = 1.79194	-2.93629	0
b = -0.387949		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.392414 + 1.306810I		
a = 0.299638 - 1.273980I	1.73293 + 4.05578I	0
b = -0.49194 + 1.33829I		
u = -0.392414 - 1.306810I		
a = 0.299638 + 1.273980I	1.73293 - 4.05578I	0
b = -0.49194 - 1.33829I		
u = -0.530279 + 1.283350I		
a = 0.411497 + 0.757143I	7.30029 + 6.82022I	0
b = 0.443492 - 0.868600I		
u = -0.530279 - 1.283350I		
a = 0.411497 - 0.757143I	7.30029 - 6.82022I	0
b = 0.443492 + 0.868600I		
u = -0.296647 + 1.369300I		
a = -1.14212 + 1.27258I	3.28256 + 8.71826I	0
b = 1.83066 - 1.10168I		
u = -0.296647 - 1.369300I		
a = -1.14212 - 1.27258I	3.28256 - 8.71826I	0
b = 1.83066 + 1.10168I		
u = 0.76816 + 1.18824I		
a = -0.416791 + 1.151450I	3.02169 - 10.61870I	0
b = -0.43883 - 1.38613I		
u = 0.76816 - 1.18824I		
a = -0.416791 - 1.151450I	3.02169 + 10.61870I	0
b = -0.43883 + 1.38613I		
u = 0.60070 + 1.31150I		
a = -0.22928 - 1.63770I	-0.16949 - 7.55453I	0
b = 1.02806 + 1.22287I		
u = 0.60070 - 1.31150I		
a = -0.22928 + 1.63770I	-0.16949 + 7.55453I	0
b = 1.02806 - 1.22287I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.63165 + 1.30519I		
a = 0.16100 - 1.54221I	-5.2028 + 14.3290I	0
b = -1.17961 + 1.20670I		
u = -0.63165 - 1.30519I		
a = 0.16100 + 1.54221I	-5.2028 - 14.3290I	0
b = -1.17961 - 1.20670I		
u = -1.44349 + 0.15752I		
a = -0.240446 + 0.080460I	-5.51155 - 0.58477I	0
b = 0.778245 + 0.310240I		
u = -1.44349 - 0.15752I		
a = -0.240446 - 0.080460I	-5.51155 + 0.58477I	0
b = 0.778245 - 0.310240I		
u = 0.64397 + 1.31980I		
a = -0.14683 - 1.51265I	-1.1409 - 20.4698I	0
b = 1.22958 + 1.24816I		
u = 0.64397 - 1.31980I		
a = -0.14683 + 1.51265I	-1.1409 + 20.4698I	0
b = 1.22958 - 1.24816I		
u = -0.79296 + 1.26164I		
a = 0.137567 + 0.992154I	-1.60175 + 7.75698I	0
b = 0.599164 - 0.879129I		
u = -0.79296 - 1.26164I		
a = 0.137567 - 0.992154I	-1.60175 - 7.75698I	0
b = 0.599164 + 0.879129I		
u = 0.62958 + 1.37014I		
a = -0.322343 - 0.870657I	0.66563 - 5.13185I	0
b = 0.772853 + 0.773447I		
u = 0.62958 - 1.37014I		
a = -0.322343 + 0.870657I	0.66563 + 5.13185I	0
b = 0.772853 - 0.773447I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.55959 + 1.40172I		
a = 0.384263 + 0.528790I	4.55170 - 3.86551I	0
b = -0.138130 - 0.688054I		
u = -0.55959 - 1.40172I		
a = 0.384263 - 0.528790I	4.55170 + 3.86551I	0
b = -0.138130 + 0.688054I		
u = -0.478101 + 0.078092I		
a = 1.15589 + 1.45481I	-0.94899 - 2.96707I	-6.23165 + 9.33212I
b = 0.641890 + 0.436587I		
u = -0.478101 - 0.078092I		
a = 1.15589 - 1.45481I	-0.94899 + 2.96707I	-6.23165 - 9.33212I
b = 0.641890 - 0.436587I		
u = -0.74269 + 1.32272I		
a = -0.059880 + 1.093190I	-1.95412 + 7.93835I	0
b = 0.982891 - 0.884431I		
u = -0.74269 - 1.32272I		
a = -0.059880 - 1.093190I	-1.95412 - 7.93835I	0
b = 0.982891 + 0.884431I		
u = 0.64430 + 1.42560I		
a = 0.325887 + 1.093300I	-0.82655 - 10.04040I	0
b = -1.30920 - 0.89071I		
u = 0.64430 - 1.42560I		
a = 0.325887 - 1.093300I	-0.82655 + 10.04040I	0
b = -1.30920 + 0.89071I		
u = 0.25015 + 1.56425I		
a = 0.383683 + 0.311453I	-1.26364 - 2.15985I	0
b = -0.0804358 - 0.1008080I		
u = 0.25015 - 1.56425I		
a = 0.383683 - 0.311453I	-1.26364 + 2.15985I	0
b = -0.0804358 + 0.1008080I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.03041 + 1.20674I		
a = -0.165170 - 0.573251I	-2.75137 + 0.34242I	0
b = -0.215571 + 0.728769I		
u = -1.03041 - 1.20674I		
a = -0.165170 + 0.573251I	-2.75137 - 0.34242I	0
b = -0.215571 - 0.728769I		
u = -0.406661 + 0.027543I		
a = -1.97717 - 1.26169I	0.68402 - 4.19525I	-6.22230 + 5.15795I
b = -0.588042 + 0.756972I		
u = -0.406661 - 0.027543I		
a = -1.97717 + 1.26169I	0.68402 + 4.19525I	-6.22230 - 5.15795I
b = -0.588042 - 0.756972I		
u = -0.173526 + 0.354609I		
a = -0.922755 + 0.592818I	-0.250034 - 1.189480I	-3.34735 + 5.14170I
b = 0.425194 + 0.480196I		
u = -0.173526 - 0.354609I		
a = -0.922755 - 0.592818I	-0.250034 + 1.189480I	-3.34735 - 5.14170I
b = 0.425194 - 0.480196I		
u = 0.85769 + 1.37283I		
a = -0.137411 + 0.586640I	-1.22941 - 2.59294I	0
b = -0.092810 - 0.472677I		
u = 0.85769 - 1.37283I		
a = -0.137411 - 0.586640I	-1.22941 + 2.59294I	0
b = -0.092810 + 0.472677I		
u = 0.173407 + 0.086261I		
a = 3.14023 + 3.92856I	3.45461 + 4.27929I	-0.72048 - 7.86524I
b = -0.452594 + 0.674156I		
u = 0.173407 - 0.086261I		
a = 3.14023 - 3.92856I	3.45461 - 4.27929I	-0.72048 + 7.86524I
b = -0.452594 - 0.674156I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.09687 + 1.86628I		
a = -0.350507 + 0.096746I	2.20757 + 7.66533I	0
b = 0.050346 - 0.190936I		
u = 0.09687 - 1.86628I		
a = -0.350507 - 0.096746I	2.20757 - 7.66533I	0
b = 0.050346 + 0.190936I		

II.
$$I_2^u = \langle 1.79 \times 10^{27} u^{36} + 1.26 \times 10^{26} u^{35} + \dots + 2.72 \times 10^{26} b + 1.59 \times 10^{27}, -4.28 \times 10^{26} u^{36} - 2.28 \times 10^{26} u^{35} + \dots + 9.08 \times 10^{25} a - 8.23 \times 10^{26}, \ u^{37} + 13 u^{35} + \dots + 4 u + 1 \rangle$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 4.70987u^{36} + 2.51398u^{35} + \dots + 43.9785u + 9.06064 \\ -6.55981u^{36} - 0.461327u^{35} + \dots - 34.1937u - 5.85361 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.599955u^{36} - 2.68288u^{35} + \dots - 23.4625u - 2.77216 \\ -4.81956u^{36} + 0.335459u^{35} + \dots - 11.2351u - 0.449214 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -12.0608u^{36} + 5.01612u^{35} + \dots + 3.72057u + 5.40064 \\ 4.34249u^{36} + 0.612017u^{35} + \dots + 21.3640u + 4.09719 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.84994u^{36} + 2.05265u^{35} + \dots + 9.78478u + 3.20703 \\ -6.55981u^{36} - 0.461327u^{35} + \dots - 34.1937u - 5.85361 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 2.52467u^{36} - 1.68904u^{35} + \dots - 18.8729u - 5.95832 \\ -1.89012u^{36} + 0.884845u^{35} + \dots - 10.5759u - 2.84562 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -3.39237u^{36} + 4.33018u^{35} + \dots - 4.40795u - 0.166576 \\ -0.694772u^{36} - 0.821823u^{35} + \dots - 3.18209u - 1.47497 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 0.231506u^{36} + 2.66785u^{35} + \dots + 20.8392u + 4.55320 \\ -5.72193u^{36} + 0.273225u^{35} + \dots - 27.6816u - 5.12263 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.231506u^{36} - 3.65129u^{35} + \dots - 6.11822u - 0.499858 \\ 0.177586u^{36} + 1.73735u^{35} + \dots + 14.5787u + 4.67796 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes = $\frac{844050178030989400342545492}{90789591380371459276412951}u^{36} + \frac{179385056505497329516656139}{90789591380371459276412951}u^{35} + \dots - \frac{1348791176963657997833124526}{90789591380371459276412951}u - \frac{1696654828728860144617132504}{90789591380371459276412951}u^{35} + \dots - \frac{169665482872886014461$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{37} - 11u^{36} + \dots + 3u - 1$
c_2	$u^{37} - u^{36} + \dots - 3u - 1$
c_3	$u^{37} - 3u^{36} + \dots + 2u + 1$
c_4	$u^{37} - 6u^{35} + \dots - 4u - 1$
<i>C</i> ₅	$u^{37} - 15u^{35} + \dots - 55u - 7$
	$u^{37} + u^{36} + \dots + 12u - 1$
	$u^{37} + 11u^{35} + \dots - 3u + 5$
<i>c</i> ₈	$u^{37} + 13u^{35} + \dots + 4u + 1$
<i>c</i> ₉	$u^{37} - 15u^{35} + \dots - 55u + 7$
c_{10}	$u^{37} - u^{36} + \dots + 4u - 1$
c_{11}	$u^{37} - u^{36} + \dots + 12u + 1$
c_{12}	$u^{37} + 13u^{35} + \dots + 4u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{37} - 7y^{36} + \dots - 7y - 1$
c_2	$y^{37} + 9y^{36} + \dots - 9y - 1$
<i>c</i> ₃	$y^{37} - 13y^{36} + \dots - 46y - 1$
c_4	$y^{37} - 12y^{36} + \dots + 26y - 1$
c_5, c_9	$y^{37} - 30y^{36} + \dots + 1527y - 49$
c_6, c_{11}	$y^{37} - 25y^{36} + \dots + 120y - 1$
c_7	$y^{37} + 22y^{36} + \dots - 511y - 25$
c_8, c_{12}	$y^{37} + 26y^{36} + \dots - 14y - 1$
c_{10}	$y^{37} - y^{36} + \dots + 8y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.032070 + 0.111786I		
a = 0.316576 + 0.034191I	-3.51349 + 1.44951I	-5.41957 - 2.94424I
b = -0.972459 + 0.468106I		
u = 1.032070 - 0.111786I		
a = 0.316576 - 0.034191I	-3.51349 - 1.44951I	-5.41957 + 2.94424I
b = -0.972459 - 0.468106I		
u = -0.444782 + 0.949309I		
a = -0.994064 - 0.589237I	4.14354 - 3.04058I	2.38383 + 1.83641I
b = 0.122296 + 0.658604I		
u = -0.444782 - 0.949309I		
a = -0.994064 + 0.589237I	4.14354 + 3.04058I	2.38383 - 1.83641I
b = 0.122296 - 0.658604I		
u = 0.481767 + 0.935817I		
a = 0.12481 + 1.66020I	-0.93646 - 4.03621I	-9.02583 + 4.60989I
b = -0.834364 - 1.056510I		
u = 0.481767 - 0.935817I		
a = 0.12481 - 1.66020I	-0.93646 + 4.03621I	-9.02583 - 4.60989I
b = -0.834364 + 1.056510I		
u = -0.500083 + 0.771262I		
a = -0.13725 + 1.92485I	-3.13833 + 0.97825I	-6.34036 - 4.44625I
b = 0.536463 - 0.289303I		
u = -0.500083 - 0.771262I		
a = -0.13725 - 1.92485I	-3.13833 - 0.97825I	-6.34036 + 4.44625I
b = 0.536463 + 0.289303I		
u = -0.015458 + 0.876685I		
a = -0.75524 - 2.96914I	1.67825 + 3.73359I	4.83791 - 7.50112I
b = -0.156822 + 0.776418I		
u = -0.015458 - 0.876685I		
a = -0.75524 + 2.96914I	1.67825 - 3.73359I	4.83791 + 7.50112I
b = -0.156822 - 0.776418I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.831837 + 0.147819I		
a = -0.321371 + 0.657272I	-4.45307 - 3.22609I	-6.17702 + 3.43581I
b = 1.227440 + 0.564758I		
u = -0.831837 - 0.147819I		
a = -0.321371 - 0.657272I	-4.45307 + 3.22609I	-6.17702 - 3.43581I
b = 1.227440 - 0.564758I		
u = 0.204287 + 0.818402I		
a = 1.26623 - 2.61765I	-1.69251 - 9.30048I	-8.00537 + 4.74846I
b = -1.28180 + 1.75398I		
u = 0.204287 - 0.818402I		
a = 1.26623 + 2.61765I	-1.69251 + 9.30048I	-8.00537 - 4.74846I
b = -1.28180 - 1.75398I		
u = -0.134827 + 0.799184I		
a = -0.82128 - 1.46788I	-5.54622 + 3.70220I	-5.11113 - 0.65212I
b = 1.69086 + 0.83155I		
u = -0.134827 - 0.799184I		
a = -0.82128 + 1.46788I	-5.54622 - 3.70220I	-5.11113 + 0.65212I
b = 1.69086 - 0.83155I		
u = 0.416723 + 1.131290I		
a = -0.413336 + 1.114760I	1.42599 - 5.63695I	-3.56832 + 6.31621I
b = -0.975991 - 0.746453I		
u = 0.416723 - 1.131290I		
a = -0.413336 - 1.114760I	1.42599 + 5.63695I	-3.56832 - 6.31621I
b = -0.975991 + 0.746453I		
u = -0.335518 + 1.174090I		
a = -0.240120 + 0.765234I	5.52378 + 6.35317I	0.58085 - 7.03684I
b = 1.171990 - 0.766271I		
u = -0.335518 - 1.174090I		
a = -0.240120 - 0.765234I	5.52378 - 6.35317I	0.58085 + 7.03684I
b = 1.171990 + 0.766271I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.096272 + 1.235980I		
a = 0.522511 - 0.704186I	3.09309 - 3.79740I	2.14124 + 7.78975I
b = 0.260122 + 0.048183I		
u = 0.096272 - 1.235980I		
a = 0.522511 + 0.704186I	3.09309 + 3.79740I	2.14124 - 7.78975I
b = 0.260122 - 0.048183I		
u = -0.685057		
a = 1.37121	-4.17470	-10.1620
b = -0.592879		
u = -0.314230 + 0.596806I		
a = 0.563270 + 0.616967I	-3.88047 + 3.20112I	-9.17094 - 3.22595I
b = 1.45075 - 0.26310I		
u = -0.314230 - 0.596806I		
a = 0.563270 - 0.616967I	-3.88047 - 3.20112I	-9.17094 + 3.22595I
b = 1.45075 + 0.26310I		
u = 0.456685 + 0.430540I		
a = -0.05767 + 1.58690I	-0.90318 + 1.99976I	-7.28606 - 1.41380I
b = -0.423648 + 0.454503I		
u = 0.456685 - 0.430540I		
a = -0.05767 - 1.58690I	-0.90318 - 1.99976I	-7.28606 + 1.41380I
b = -0.423648 - 0.454503I		
u = 0.59209 + 1.28876I		
a = 0.20459 + 1.51580I	0.02394 - 7.28634I	0
b = -1.05370 - 1.16198I		
u = 0.59209 - 1.28876I		
a = 0.20459 - 1.51580I	0.02394 + 7.28634I	0
b = -1.05370 + 1.16198I		
u = -0.67933 + 1.29847I		
a = -0.117622 + 1.264610I	-0.96344 + 9.17123I	0
b = 1.17956 - 1.08513I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.67933 - 1.29847I		
a = -0.117622 - 1.264610I	-0.96344 - 9.17123I	0
b = 1.17956 + 1.08513I		
u = -0.309801 + 0.369830I		
a = 1.46862 + 1.73365I	-4.17455 - 0.06083I	-9.83061 - 0.08111I
b = -0.925035 - 0.435702I		
u = -0.309801 - 0.369830I		
a = 1.46862 - 1.73365I	-4.17455 + 0.06083I	-9.83061 + 0.08111I
b = -0.925035 + 0.435702I		
u = -0.16391 + 1.65671I		
a = 0.689926 - 0.283256I	1.61772 + 7.61604I	0
b = -0.867592 + 0.150982I		
u = -0.16391 - 1.65671I		
a = 0.689926 + 0.283256I	1.61772 - 7.61604I	0
b = -0.867592 - 0.150982I		
u = 0.79240 + 1.56795I		
a = 0.015806 - 0.505360I	-1.02164 - 2.57938I	0
b = 0.148383 + 0.508195I		
u = 0.79240 - 1.56795I		
a = 0.015806 + 0.505360I	-1.02164 + 2.57938I	0
b = 0.148383 - 0.508195I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{37} - 11u^{36} + \dots + 3u - 1)(u^{162} + 10u^{161} + \dots + 154u - 7)$
c_2	$ (u^{37} - u^{36} + \dots - 3u - 1)(u^{162} + 8u^{160} + \dots - 20u + 1) $
c_3	$(u^{37} - 3u^{36} + \dots + 2u + 1)$ $\cdot (u^{162} - 2u^{161} + \dots + 7626293679u + 965121761)$
C4	$(u^{37} - 6u^{35} + \dots - 4u - 1)(u^{162} + 7u^{161} + \dots + 31u - 1)$
c_5	$(u^{37} - 15u^{35} + \dots - 55u - 7)$ $\cdot (u^{162} - 3u^{161} + \dots + 6218386u - 528361)$
c_6	$(u^{37} + u^{36} + \dots + 12u - 1)(u^{162} - 51u^{160} + \dots + 1717u + 437)$
c_7	$(u^{37} + 11u^{35} + \dots - 3u + 5)$ $\cdot (u^{162} + u^{161} + \dots - 6589604478u - 630454121)$
c_8	$ (u^{37} + 13u^{35} + \dots + 4u + 1)(u^{162} + 5u^{161} + \dots - 9133u - 1379) $
<i>c</i> ₉	$(u^{37} - 15u^{35} + \dots - 55u + 7)$ $\cdot (u^{162} - 3u^{161} + \dots + 6218386u - 528361)$
c_{10}	$(u^{37} - u^{36} + \dots + 4u - 1)(u^{162} - 2u^{161} + \dots + 123u - 7)$
c_{11}	$(u^{37} - u^{36} + \dots + 12u + 1)(u^{162} - 51u^{160} + \dots + 1717u + 437)$
c_{12}	$(u^{37} + 13u^{35} + \dots + 4u - 1)(u^{162} + 5u^{161} + \dots - 9133u - 1379)$ 31

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{37} - 7y^{36} + \dots - 7y - 1)(y^{162} + 4y^{161} + \dots - 4116y + 49)$
c_2	$(y^{37} + 9y^{36} + \dots - 9y - 1)(y^{162} + 16y^{161} + \dots - 190y + 1)$
c_3	$(y^{37} - 13y^{36} + \dots - 46y - 1)$ $\cdot (y^{162} - 54y^{161} + \dots - 2.99 \times 10^{18}y + 9.31 \times 10^{17})$
c_4	$(y^{37} - 12y^{36} + \dots + 26y - 1)(y^{162} - 13y^{161} + \dots - 17y + 1)$
c_5,c_9	$(y^{37} - 30y^{36} + \dots + 1527y - 49)$ $\cdot (y^{162} - 131y^{161} + \dots - 29177786074y + 279165346321)$
c_6, c_{11}	$(y^{37} - 25y^{36} + \dots + 120y - 1)$ $\cdot (y^{162} - 102y^{161} + \dots - 3102787y + 190969)$
<i>c</i> ₇	$(y^{37} + 22y^{36} + \dots - 511y - 25)$ $\cdot (y^{162} + 73y^{161} + \dots + 2.01 \times 10^{19}y + 3.97 \times 10^{17})$
c_8, c_{12}	$(y^{37} + 26y^{36} + \dots - 14y - 1)$ $\cdot (y^{162} + 97y^{161} + \dots - 11736785y + 1901641)$
c_{10}	$(y^{37} - y^{36} + \dots + 8y - 1)(y^{162} - 6y^{161} + \dots - 5063y + 49)$