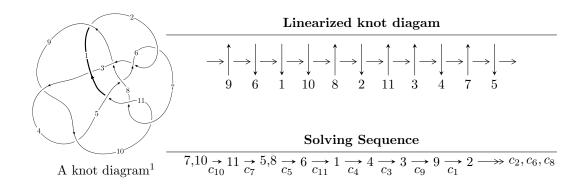
$11a_{315} \ (K11a_{315})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 8.35047 \times 10^{320} u^{95} + 1.44029 \times 10^{321} u^{94} + \dots + 5.77122 \times 10^{319} b + 5.39671 \times 10^{323}, \\ &- 1.01480 \times 10^{325} u^{95} - 2.15677 \times 10^{325} u^{94} + \dots + 6.33103 \times 10^{322} a - 4.64333 \times 10^{327}, \\ &3 u^{96} + 4 u^{95} + \dots - 590 u - 1097 \rangle \\ I_2^u &= \langle 350076 u^{17} + 452234 u^{16} + \dots + 2209 b - 230492, \\ &- 350919 u^{17} - 309072 u^{16} + \dots + 2209 a + 93665, \ 3 u^{18} + 5 u^{17} + \dots - 5 u - 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 114 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.
$$I_1^u = \langle 8.35 \times 10^{320} u^{95} + 1.44 \times 10^{321} u^{94} + \dots + 5.77 \times 10^{319} b + 5.40 \times 10^{323}, \ -1.01 \times 10^{325} u^{95} - 2.16 \times 10^{325} u^{94} + \dots + 6.33 \times 10^{322} a - 4.64 \times 10^{327}, \ 3u^{96} + 4u^{95} + \dots - 590u - 1097 \rangle$$

(i) Arc colorings

$$a_{7} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 160.290u^{95} + 340.667u^{94} + \dots + 130465.u + 73342.4 \\ -14.4692u^{95} - 24.9564u^{94} + \dots - 19464.1u - 9351.07 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} u \\ -u^{3} + u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 121.168u^{95} + 262.638u^{94} + \dots + 92069.5u + 53087.6 \\ -38.4280u^{95} - 76.1368u^{94} + \dots - 38467.4u - 20147.5 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 227.445u^{95} + 495.753u^{94} + \dots + 167945.u + 98005.3 \\ 103.416u^{95} + 224.825u^{94} + \dots + 76598.4u + 44698.8 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 145.821u^{95} + 315.710u^{94} + \dots + 111001.u + 63991.3 \\ -14.4692u^{95} - 24.9564u^{94} + \dots - 19464.1u - 9351.07 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -107.797u^{95} - 237.291u^{94} + \dots - 77403.3u - 45591.1 \\ -107.406u^{95} - 226.853u^{94} + \dots - 89699.9u - 49898.8 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -126.324u^{95} - 267.369u^{94} + \dots - 103887.u - 58210.5 \\ -202.923u^{95} - 460.629u^{94} + \dots - 122530.u - 78021.3 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 34.4592u^{95} + 79.3873u^{94} + \dots + 20523.0u + 13006.7 \\ -30.5692u^{95} - 75.0027u^{94} + \dots - 10427.5u - 8966.06 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 34.4592u^{95} + 79.3873u^{94} + \dots + 20523.0u + 13006.7 \\ -30.5692u^{95} - 75.0027u^{94} + \dots - 10427.5u - 8966.06 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-2023.30u^{95} 4712.54u^{94} + \cdots 1.06232 \times 10^6u 721227$.

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{96} - 5u^{95} + \dots - 21760u - 2097$
c_2, c_6	$3(3u^{96} + 7u^{95} + \dots + 3339u - 297)$
<i>c</i> ₃	$9(9u^{96} - 134u^{95} + \dots - 15u + 1)$
c_4, c_9	$u^{96} - 6u^{95} + \dots + 6966u - 1849$
	$u^{96} + 6u^{95} + \dots + 1962842u + 272431$
c_{7}, c_{10}	$3(3u^{96} + 4u^{95} + \dots - 590u - 1097)$
c_8	$u^{96} - u^{95} + \dots + 56419u - 24573$
c_{11}	$u^{96} + 2u^{95} + \dots + 89272u - 13803$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{96} + 13y^{95} + \dots + 33993176y + 4397409$
c_2, c_6	$9(9y^{96} + 593y^{95} + \dots + 7914915y + 88209)$
<i>c</i> ₃	$81(81y^{96} - 1972y^{95} + \dots + 55y + 1)$
c_4, c_9	$y^{96} - 58y^{95} + \dots - 92290986y + 3418801$
<i>C</i> ₅	$y^{96} - 30y^{95} + \dots - 473184951454y + 74218649761$
c_7, c_{10}	$9(9y^{96} - 460y^{95} + \dots - 3.09412 \times 10^7y + 1203409)$
c_8	$y^{96} - 17y^{95} + \dots - 17758136197y + 603832329$
c_{11}	$y^{96} + 6y^{95} + \dots + 6944044184y + 190522809$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.981699 + 0.203846I		
a = -0.765999 - 0.642364I	1.73174 + 0.39177I	0
b = 0.619183 + 0.535394I		
u = 0.981699 - 0.203846I		
a = -0.765999 + 0.642364I	1.73174 - 0.39177I	0
b = 0.619183 - 0.535394I		
u = -0.871405 + 0.497037I		
a = 0.61654 - 1.54991I	-1.24057 - 4.70878I	0
b = 1.226230 + 0.283662I		
u = -0.871405 - 0.497037I		
a = 0.61654 + 1.54991I	-1.24057 + 4.70878I	0
b = 1.226230 - 0.283662I		
u = 0.090963 + 1.000610I		
a = -0.489137 - 0.013925I	3.36615 + 6.57501I	0
b = -0.125344 - 0.881334I		
u = 0.090963 - 1.000610I		
a = -0.489137 + 0.013925I	3.36615 - 6.57501I	0
b = -0.125344 + 0.881334I		
u = 0.965186 + 0.211216I		
a = -1.61395 - 0.61196I	0.98928 + 7.38324I	0
b = -1.297100 + 0.157095I		
u = 0.965186 - 0.211216I		
a = -1.61395 + 0.61196I	0.98928 - 7.38324I	0
b = -1.297100 - 0.157095I		
u = -0.914796 + 0.473612I		
a = 0.48676 - 2.03126I	-1.35126 - 4.74042I	0
b = 1.197990 + 0.173924I		
u = -0.914796 - 0.473612I		
a = 0.48676 + 2.03126I	-1.35126 + 4.74042I	0
b = 1.197990 - 0.173924I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.098776 + 0.963630I		
a = 0.521804 - 0.256520I	-4.14708 - 6.10322I	0
b = 1.307520 + 0.337320I		
u = 0.098776 - 0.963630I		
a = 0.521804 + 0.256520I	-4.14708 + 6.10322I	0
b = 1.307520 - 0.337320I		
u = 1.018150 + 0.172235I		
a = 0.844362 - 0.938562I	1.66864 + 3.14014I	0
b = -1.94470 + 0.12581I		
u = 1.018150 - 0.172235I		
a = 0.844362 + 0.938562I	1.66864 - 3.14014I	0
b = -1.94470 - 0.12581I		
u = 0.842592 + 0.418933I		
a = -0.533871 - 1.018780I	2.34632 + 0.52578I	0
b = 0.081476 + 0.967865I		
u = 0.842592 - 0.418933I		
a = -0.533871 + 1.018780I	2.34632 - 0.52578I	0
b = 0.081476 - 0.967865I		
u = -1.028940 + 0.280146I		
a = 0.90713 + 1.66872I	-2.08843 - 5.19122I	0
b = -1.266760 - 0.610244I		
u = -1.028940 - 0.280146I		
a = 0.90713 - 1.66872I	-2.08843 + 5.19122I	0
b = -1.266760 + 0.610244I		
u = -0.817841 + 0.715844I		
a = 1.19222 - 1.12383I	3.09922 - 2.44564I	0
b = 0.892547 + 0.020136I		
u = -0.817841 - 0.715844I		
a = 1.19222 + 1.12383I	3.09922 + 2.44564I	0
b = 0.892547 - 0.020136I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.951281 + 0.526119I		
a = -0.16190 - 2.14760I	-1.23108 - 9.17111I	0
b = 1.27437 + 0.65713I		
u = -0.951281 - 0.526119I		
a = -0.16190 + 2.14760I	-1.23108 + 9.17111I	0
b = 1.27437 - 0.65713I		
u = -0.641118 + 0.642560I		
a = 0.081903 - 0.128435I	-2.17740 + 4.59275I	0
b = -1.35052 + 0.45439I		
u = -0.641118 - 0.642560I		
a = 0.081903 + 0.128435I	-2.17740 - 4.59275I	0
b = -1.35052 - 0.45439I		
u = 1.039460 + 0.439875I		
a = -0.786780 - 1.134370I	3.11184 + 1.53766I	0
b = 0.053630 + 0.729782I		
u = 1.039460 - 0.439875I		
a = -0.786780 + 1.134370I	3.11184 - 1.53766I	0
b = 0.053630 - 0.729782I		
u = -0.536552 + 0.995291I		
a = -0.376159 + 0.160481I	-3.47528 + 0.56323I	0
b = -1.284320 + 0.385123I		
u = -0.536552 - 0.995291I		
a = -0.376159 - 0.160481I	-3.47528 - 0.56323I	0
b = -1.284320 - 0.385123I		
u = 1.091180 + 0.302734I		
a = 1.03585 - 1.71671I	-2.34256 + 1.03453I	0
b = -1.039180 + 0.060714I		
u = 1.091180 - 0.302734I		
a = 1.03585 + 1.71671I	-2.34256 - 1.03453I	0
b = -1.039180 - 0.060714I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.864487 + 0.067288I		
a = -1.03372 - 3.46440I	1.23627 + 2.13659I	0
b = 0.45199 + 2.41206I		
u = 0.864487 - 0.067288I		
a = -1.03372 + 3.46440I	1.23627 - 2.13659I	0
b = 0.45199 - 2.41206I		
u = 0.851982		
a = 2.42297	-4.16838	0
b = 1.30404		
u = -0.768204 + 0.361730I		
a = -0.24125 + 1.42284I	-1.51493 + 0.74030I	0
b = -0.913672 + 0.081730I		
u = -0.768204 - 0.361730I		
a = -0.24125 - 1.42284I	-1.51493 - 0.74030I	0
b = -0.913672 - 0.081730I		
u = 0.802721 + 0.215010I		
a = -1.52539 + 3.03816I	0.46559 - 5.39912I	0
b = 0.958660 + 0.109699I		
u = 0.802721 - 0.215010I		
a = -1.52539 - 3.03816I	0.46559 + 5.39912I	0
b = 0.958660 - 0.109699I		
u = 0.812674 + 0.102586I		
a = -1.67755 + 1.62069I	0.84537 - 1.76194I	0
b = 1.65825 - 0.25745I		
u = 0.812674 - 0.102586I		
a = -1.67755 - 1.62069I	0.84537 + 1.76194I	0
b = 1.65825 + 0.25745I		
u = 0.014816 + 0.815458I		
a = -0.091044 + 0.703341I	1.88316 + 3.59766I	0
b = 0.922119 - 0.223860I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.014816 - 0.815458I		
a = -0.091044 - 0.703341I	1.88316 - 3.59766I	0
b = 0.922119 + 0.223860I		
u = 1.126380 + 0.366436I		
a = 0.591656 + 1.278550I	6.30161 + 3.91490I	0
b = -0.695441 - 0.685522I		
u = 1.126380 - 0.366436I		
a = 0.591656 - 1.278550I	6.30161 - 3.91490I	0
b = -0.695441 + 0.685522I		
u = -0.792268 + 0.032149I		
a = -0.136736 + 0.425099I	-3.57314 + 3.55716I	0
b = 1.54012 - 0.27260I		
u = -0.792268 - 0.032149I		
a = -0.136736 - 0.425099I	-3.57314 - 3.55716I	0
b = 1.54012 + 0.27260I		
u = 0.153234 + 0.753973I		
a = 0.431412 - 0.389245I	-5.56839 + 2.63653I	0
b = 1.245900 - 0.180263I		
u = 0.153234 - 0.753973I		
a = 0.431412 + 0.389245I	-5.56839 - 2.63653I	0
b = 1.245900 + 0.180263I		
u = -0.525633 + 0.538766I		
a = -1.122290 + 0.116900I	-2.40376 + 0.61006I	0
b = -1.202910 + 0.107418I		
u = -0.525633 - 0.538766I		
a = -1.122290 - 0.116900I	-2.40376 - 0.61006I	0
b = -1.202910 - 0.107418I		
u = 0.275095 + 1.227520I		
a = -0.400852 + 0.116369I	-0.21784 - 11.64570I	0
b = -1.273060 - 0.499899I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.275095 - 1.227520I		
a = -0.400852 - 0.116369I	-0.21784 + 11.64570I	0
b = -1.273060 + 0.499899I		
u = -1.203210 + 0.380922I		
a = 0.38019 - 1.41752I	4.01052 - 6.12296I	0
b = 0.100944 + 1.031110I		
u = -1.203210 - 0.380922I		
a = 0.38019 + 1.41752I	4.01052 + 6.12296I	0
b = 0.100944 - 1.031110I		
u = -1.27130		
a = -0.468329	0.742678	0
b = -0.368940		
u = -1.271940 + 0.150627I		
a = -0.028108 + 1.368010I	8.74132 - 0.96087I	0
b = 0.303727 - 0.826969I		
u = -1.271940 - 0.150627I		
a = -0.028108 - 1.368010I	8.74132 + 0.96087I	0
b = 0.303727 + 0.826969I		
u = 1.281880 + 0.204070I		
a = 0.348534 + 1.120150I	3.57896 + 1.66051I	0
b = -0.50519 - 1.36680I		
u = 1.281880 - 0.204070I		
a = 0.348534 - 1.120150I	3.57896 - 1.66051I	0
b = -0.50519 + 1.36680I		
u = -1.136990 + 0.633869I		
a = 0.13023 - 1.61687I	-1.43906 - 6.43123I	0
b = 1.34921 + 0.52876I		
u = -1.136990 - 0.633869I		
a = 0.13023 + 1.61687I	-1.43906 + 6.43123I	0
b = 1.34921 - 0.52876I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.094980 + 0.714123I		
a = -0.781399 + 1.023480I	3.99445 - 3.25658I	0
b = -1.073050 - 0.225617I		
u = -1.094980 - 0.714123I		
a = -0.781399 - 1.023480I	3.99445 + 3.25658I	0
b = -1.073050 + 0.225617I		
u = -1.229820 + 0.466528I		
a = 0.42286 + 1.80682I	5.53218 - 8.19891I	0
b = -0.946848 - 0.403711I		
u = -1.229820 - 0.466528I		
a = 0.42286 - 1.80682I	5.53218 + 8.19891I	0
b = -0.946848 + 0.403711I		
u = 0.032764 + 0.670988I		
a = 0.205854 - 0.156632I	0.38771 + 2.27012I	0
b = -0.154795 + 0.715846I		
u = 0.032764 - 0.670988I		
a = 0.205854 + 0.156632I	0.38771 - 2.27012I	0
b = -0.154795 - 0.715846I		
u = 1.255450 + 0.478657I		
a = 0.645957 + 0.272091I	5.48115 + 1.16165I	0
b = -0.617575 - 0.245152I		
u = 1.255450 - 0.478657I		
a = 0.645957 - 0.272091I	5.48115 - 1.16165I	0
b = -0.617575 + 0.245152I		
u = -0.358213 + 1.316130I		
a = 0.356172 - 0.168187I	-3.32455 + 2.39582I	0
b = 1.043400 - 0.583502I		
u = -0.358213 - 1.316130I		
a = 0.356172 + 0.168187I	-3.32455 - 2.39582I	0
b = 1.043400 + 0.583502I		

$\begin{array}{c} u = -1.308980 + 0.475608I \\ a = -0.437485 + 1.226180I \\ b = -0.027467 - 1.315470I \\ \hline u = -1.308980 - 0.475608I \\ a = -0.437485 - 1.226180I \\ \hline b = -0.027467 + 1.315470I \\ \hline u = 1.281380 + 0.547670I \\ a = 0.14355 - 1.60766I \\ b = -1.36818 + 0.49974I \\ \hline u = 1.281380 - 0.547670I \\ a = 0.14355 + 1.60766I \\ b = -1.36818 - 0.49974I \\ \hline u = 1.36818 - 0.49974I \\ \hline u = -1.353450 + 0.402157I \\ a = 0.191361 + 0.482472I \\ b = 0.227166 - 0.225140I \\ \hline u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ b = 0.227166 + 0.225140I \\ \hline u = 0.299352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ b = 0.389822 + 0.587934I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I \\ b = 1.132440 - 0.443855I \\ \hline u = 1.392440 + 0.443855I \\ \hline \end{array}$	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$\begin{array}{c} b = -0.027467 - 1.315470I \\ u = -1.308980 - 0.475608I \\ a = -0.437485 - 1.226180I \\ b = -0.027467 + 1.315470I \\ \hline \\ u = 1.281380 + 0.547670I \\ a = 0.14355 - 1.60766I \\ \hline \\ u = 1.281380 - 0.547670I \\ \hline \\ u = 1.281380 - 0.547670I \\ \hline \\ u = 1.281380 - 0.547670I \\ \hline \\ u = 0.14355 + 1.60766I \\ \hline \\ u = 1.281380 - 0.547670I \\ \hline \\ u = 0.14355 + 1.60766I \\ \hline \\ u = -1.36818 - 0.49974I \\ \hline \\ u = -1.353450 + 0.402157I \\ \hline \\ u = 0.191361 + 0.482472I \\ \hline \\ u = 0.227166 - 0.225140I \\ \hline \\ u = 0.227166 + 0.225140I \\ \hline \\ u = 0.209352 + 0.539750I \\ \hline \\ u = 0.209352 + 0.539750I \\ \hline \\ u = 0.209352 - 0.539750I \\ \hline \\ u = 0.209352 - 0.539750I \\ \hline \\ u = 0.389822 - 0.587934I \\ \hline \\ u = 0.389822 - 0.587934I \\ \hline \\ u = 1.39391 + 0.36350I \\ \hline \\ u = 1.32440 - 0.443855I \\ \hline \\ u = 1.39391 - 0.36350I \\ \hline \\ u = 0.488595 - 1.282830I \\ \hline \\ 0.617066 - 5.58274I \\ \hline \\ 0 \\ \hline \end{array}$	u = -1.308980 + 0.475608I		
$\begin{array}{c} u = -1.308980 - 0.475608I \\ a = -0.437485 - 1.226180I \\ b = -0.027467 + 1.315470I \\ u = 1.281380 + 0.547670I \\ a = 0.14355 - 1.60766I \\ b = -1.36818 + 0.49974I \\ u = 1.281380 - 0.547670I \\ a = 0.14355 + 1.60766I \\ b = -1.36818 - 0.49974I \\ u = 1.36818 - 0.49974I \\ u = -1.353450 + 0.402157I \\ a = 0.191361 + 0.482472I \\ b = 0.227166 - 0.225140I \\ u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ b = 0.227166 + 0.225140I \\ u = 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ u = 0.389822 - 0.587934I \\ u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I \\ b = 1.132440 - 0.443855I \\ u = 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I \\ $	a = -0.437485 + 1.226180I	7.65553 - 11.67950I	0
$\begin{array}{c} a = -0.437485 - 1.226180I & 7.65553 + 11.67950I \\ b = -0.027467 + 1.315470I \\ u = 1.281380 + 0.547670I \\ a = 0.14355 - 1.60766I & -0.53270 + 11.56490I \\ b = -1.36818 + 0.49974I \\ u = 1.281380 - 0.547670I \\ a = 0.14355 + 1.60766I & -0.53270 - 11.56490I \\ b = -1.36818 - 0.49974I \\ u = -1.353450 + 0.402157I \\ a = 0.191361 + 0.482472I & 5.73921 - 6.56546I \\ b = 0.227166 - 0.225140I \\ u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I & 5.73921 + 6.56546I \\ b = 0.227166 + 0.225140I \\ u = 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I & 0.95940 + 3.02963I & -2.72169 - 3.74300I \\ b = 0.389822 + 0.587934I \\ u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I & 0.95940 - 3.02963I & -2.72169 + 3.74300I \\ b = 0.389822 - 0.587934I \\ u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I & 6.17066 + 5.58274I & 0 \\ b = 1.132440 - 0.443855I \\ u = 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I & 6.17066 - 5.58274I & 0 \\ \end{array}$	b = -0.027467 - 1.315470I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -1.308980 - 0.475608I		
$\begin{array}{c} u = & 1.281380 + 0.547670I \\ a = & 0.14355 - 1.60766I \\ b = -1.36818 + 0.49974I \\ \hline u = & 1.281380 - 0.547670I \\ a = & 0.14355 + 1.60766I \\ b = -1.36818 - 0.49974I \\ \hline u = & -1.353450 + 0.402157I \\ a = & 0.191361 + 0.482472I \\ b = & 0.227166 - 0.225140I \\ \hline u = & -1.353450 - 0.402157I \\ a = & 0.191361 - 0.482472I \\ b = & 0.227166 + 0.225140I \\ \hline u = & 0.227166 + 0.225140I \\ \hline u = & 0.29352 + 0.539750I \\ a = & -1.47687 + 0.49783I \\ b = & 0.389822 + 0.587934I \\ \hline u = & 0.389822 - 0.587934I \\ \hline u = & 1.39391 + 0.36350I \\ a = & -0.488595 + 1.282830I \\ b = & 1.132440 - 0.443855I \\ \hline u = & 1.39391 - 0.36350I \\ a = & -0.488595 - 1.282830I \\ \hline a = & -0.488595 - 1.282830I \\ \hline a = & -0.488595 - 1.282830I \\ \hline \end{array} \begin{array}{c} 6.17066 - 5.58274I \\ \hline \end{array} \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	a = -0.437485 - 1.226180I	7.65553 + 11.67950I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -0.027467 + 1.315470I		
$\begin{array}{c} b = -1.36818 + 0.49974I \\ u = 1.281380 - 0.547670I \\ a = 0.14355 + 1.60766I \\ b = -1.36818 - 0.49974I \\ \hline u = -1.353450 + 0.402157I \\ a = 0.191361 + 0.482472I \\ \hline u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ \hline u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ \hline u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ \hline u = 0.227166 + 0.225140I \\ \hline u = 0.227166 + 0.225140I \\ \hline u = 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ \hline u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I \\ \hline u = 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I \\ \hline a = -0.488595 - 1.282830I \\ \hline a = -0.488595 - 1.282830I \\ \hline \end{array} \begin{array}{c} 6.17066 - 5.58274I \\ 0 \\ \hline \end{array}$	u = 1.281380 + 0.547670I		
$\begin{array}{c} u = & 1.281380 - 0.547670I \\ a = & 0.14355 + 1.60766I \\ b = -1.36818 - 0.49974I \\ \hline u = -1.353450 + 0.402157I \\ a = & 0.191361 + 0.482472I \\ \hline u = -1.353450 - 0.402157I \\ a = & 0.227166 - 0.225140I \\ \hline u = -1.353450 - 0.402157I \\ a = & 0.191361 - 0.482472I \\ \hline u = & 0.227166 + 0.225140I \\ \hline u = & 0.227166 + 0.225140I \\ \hline u = & 0.229352 + 0.539750I \\ a = & -1.47687 + 0.49783I \\ \hline u = & 0.209352 - 0.539750I \\ a = & -1.47687 - 0.49783I \\ \hline u = & 0.209352 - 0.539750I \\ a = & -1.47687 - 0.49783I \\ \hline u = & 0.389822 - 0.587934I \\ \hline u = & 1.39391 + 0.36350I \\ a = & -0.488595 + 1.282830I \\ b = & 1.132440 - 0.443855I \\ \hline u = & 1.39391 - 0.36350I \\ a = & -0.488595 - 1.282830I \\ a = & -0.488595 - 1.282830I \\ \end{array} \begin{array}{c} 6.17066 - 5.58274I \\ 0 \\ \end{array} \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	a = 0.14355 - 1.60766I	-0.53270 + 11.56490I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -1.36818 + 0.49974I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = 1.281380 - 0.547670I		
$\begin{array}{c} u = -1.353450 + 0.402157I \\ a = 0.191361 + 0.482472I \\ b = 0.227166 - 0.225140I \\ \hline u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ \hline b = 0.227166 + 0.225140I \\ \hline u = 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ \hline u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ \hline u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 1.39391 + 0.36350I \\ a = -0.488595 - 1.282830I \\ \hline u = 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I \\ \hline 0.17066 - 5.58274I \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	a = 0.14355 + 1.60766I	-0.53270 - 11.56490I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -1.36818 - 0.49974I		
$\begin{array}{c} b = & 0.227166 - 0.225140I \\ u = -1.353450 - 0.402157I \\ a = & 0.191361 - 0.482472I \\ b = & 0.227166 + 0.225140I \\ \hline u = & 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ b = & 0.389822 + 0.587934I \\ \hline u = & 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ b = & 0.389822 - 0.589750I \\ a = & -1.47687 - 0.49783I \\ b = & 0.389822 - 0.587934I \\ \hline u = & 1.39391 + 0.36350I \\ a = & -0.488595 + 1.282830I \\ b = & 1.132440 - 0.443855I \\ \hline u = & 1.39391 - 0.36350I \\ a = & -0.488595 - 1.282830I \\ a = & -0.488595 - 1.282830I \\ \end{array} \begin{array}{c} 6.17066 - 5.58274I \\ 0 \\ 6.17066 - 5.58274I \\ \end{array} \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	u = -1.353450 + 0.402157I		
$\begin{array}{c} u = -1.353450 - 0.402157I \\ a = 0.191361 - 0.482472I \\ b = 0.227166 + 0.225140I \\ \hline u = 0.209352 + 0.539750I \\ a = -1.47687 + 0.49783I \\ b = 0.389822 + 0.587934I \\ \hline u = 0.209352 - 0.539750I \\ a = -1.47687 - 0.49783I \\ b = 0.389822 - 0.587934I \\ \hline u = 0.389822 - 0.587934I \\ \hline u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I \\ a = -0.488595 - 1.282830I \\ a = -0.488595 - 1.282830I \\ \hline \end{array}$	a = 0.191361 + 0.482472I	5.73921 - 6.56546I	0
$\begin{array}{llllllllllllllllllllllllllllllllllll$	b = 0.227166 - 0.225140I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -1.353450 - 0.402157I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a = 0.191361 - 0.482472I	5.73921 + 6.56546I	0
$\begin{array}{llllllllllllllllllllllllllllllllllll$	b = 0.227166 + 0.225140I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = 0.209352 + 0.539750I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a = -1.47687 + 0.49783I	0.95940 + 3.02963I	-2.72169 - 3.74300I
$\begin{array}{lll} a = -1.47687 - 0.49783I & 0.95940 - 3.02963I & -2.72169 + 3.74300I \\ b = & 0.389822 - 0.587934I & & & \\ \hline u = & 1.39391 + 0.36350I & & & \\ a = -0.488595 + 1.282830I & 6.17066 + 5.58274I & 0 \\ b = & 1.132440 - 0.443855I & & & \\ \hline u = & 1.39391 - 0.36350I & & & \\ a = -0.488595 - 1.282830I & 6.17066 - 5.58274I & 0 \\ \end{array}$	b = 0.389822 + 0.587934I		
$\begin{array}{c} b = & 0.389822 - 0.587934I \\ u = & 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I & 6.17066 + 5.58274I & 0 \\ b = & 1.132440 - 0.443855I \\ u = & 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I & 6.17066 - 5.58274I & 0 \end{array}$	u = 0.209352 - 0.539750I		
$\begin{array}{c} u = 1.39391 + 0.36350I \\ a = -0.488595 + 1.282830I & 6.17066 + 5.58274I & 0 \\ b = 1.132440 - 0.443855I \\ u = 1.39391 - 0.36350I \\ a = -0.488595 - 1.282830I & 6.17066 - 5.58274I & 0 \end{array}$	a = -1.47687 - 0.49783I	0.95940 - 3.02963I	-2.72169 + 3.74300I
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = 0.389822 - 0.587934I		
$\begin{array}{ll} b = & 1.132440 - 0.443855I \\ \hline u = & 1.39391 - 0.36350I \\ a = & -0.488595 - 1.282830I & 6.17066 - 5.58274I & 0 \end{array}$	u = 1.39391 + 0.36350I		
u = 1.39391 - 0.36350I a = -0.488595 - 1.282830I $6.17066 - 5.58274I$ 0	a = -0.488595 + 1.282830I	6.17066 + 5.58274I	0
$a = -0.488595 - 1.282830I \qquad 6.17066 - 5.58274I \qquad 0$			
	u = 1.39391 - 0.36350I		
b = 1.132440 + 0.443855I	a = -0.488595 - 1.282830I	6.17066 - 5.58274I	0
	b = 1.132440 + 0.443855I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.31943 + 0.66297I		
a = 0.05685 + 1.49543I	3.1429 + 18.2725I	0
b = 1.41644 - 0.60207I		
u = 1.31943 - 0.66297I		
a = 0.05685 - 1.49543I	3.1429 - 18.2725I	0
b = 1.41644 + 0.60207I		
u = -1.34265 + 0.62859I		
a = -0.053295 + 1.272070I	0.20764 - 9.18905I	0
b = -1.40190 - 0.70932I		
u = -1.34265 - 0.62859I		
a = -0.053295 - 1.272070I	0.20764 + 9.18905I	0
b = -1.40190 + 0.70932I		
u = 0.286919 + 0.412561I		
a = -0.71801 + 2.01587I	3.76234 - 0.68062I	5.82964 - 1.30237I
b = 0.275542 - 0.539171I		
u = 0.286919 - 0.412561I		
a = -0.71801 - 2.01587I	3.76234 + 0.68062I	5.82964 + 1.30237I
b = 0.275542 + 0.539171I		
u = 1.40839 + 0.51152I		
a = 0.311679 + 0.966447I	7.43009 - 0.76858I	0
b = 0.723215 - 0.913951I		
u = 1.40839 - 0.51152I		
a = 0.311679 - 0.966447I	7.43009 + 0.76858I	0
b = 0.723215 + 0.913951I		
u = -1.53936 + 0.09461I		
a = -0.278084 + 0.514424I	6.82851 + 6.31553I	0
b = 0.845658 - 0.595779I		
u = -1.53936 - 0.09461I		
a = -0.278084 - 0.514424I	6.82851 - 6.31553I	0
b = 0.845658 + 0.595779I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.37356 + 0.78307I		
a = 0.086482 + 0.930521I	3.06332 + 8.99488I	0
b = 1.131460 - 0.269948I		
u = 1.37356 - 0.78307I		
a = 0.086482 - 0.930521I	3.06332 - 8.99488I	0
b = 1.131460 + 0.269948I		
u = -0.350795 + 0.165581I		
a = -0.05684 - 1.65249I	-1.14552 - 0.85529I	-6.99439 + 3.24657I
b = -0.338815 - 0.249348I		
u = -0.350795 - 0.165581I		
a = -0.05684 + 1.65249I	-1.14552 + 0.85529I	-6.99439 - 3.24657I
b = -0.338815 + 0.249348I		
u = -0.43903 + 1.94371I		
a = -0.144411 + 0.147245I	-0.0922815 - 0.0457562I	0
b = -1.009720 - 0.045042I		
u = -0.43903 - 1.94371I		
a = -0.144411 - 0.147245I	-0.0922815 + 0.0457562I	0
b = -1.009720 + 0.045042I		

II.
$$I_2^u = \langle 350076u^{17} + 452234u^{16} + \dots + 2209b - 230492, \ -3.51 \times 10^5u^{17} - 3.09 \times 10^5u^{16} + \dots + 2209a + 9.37 \times 10^4, \ 3u^{18} + 5u^{17} + \dots - 5u - 1 \rangle$$

(i) Arc colorings

$$a_{7} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 158.859u^{17} + 139.915u^{16} + \dots - 196.269u - 42.4015 \\ -158.477u^{17} - 204.723u^{16} + \dots + 319.438u + 104.342 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} u \\ -u^{3} + u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 83.1322u^{17} + 49.3617u^{16} + \dots - 74.8253u - 4.14984 \\ -208.029u^{17} - 260.851u^{16} + \dots + 406.694u + 130.708 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 101.260u^{17} + 51.3617u^{16} + \dots - 89.6976u + 11.4246 \\ -3u^{17} - 2u^{16} + \dots + 3u + 2 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 0.381621u^{17} - 64.8085u^{16} + \dots + 123.169u + 61.9407 \\ -158.477u^{17} - 204.723u^{16} + \dots + 319.438u + 104.342 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 46.9516u^{17} + 96.8298u^{16} + \dots + 144.304u - 53.2499 \\ 1.94749u^{17} + 13.4043u^{16} + \dots - 52.9461u - 25.5980 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 209.288u^{17} + 260.340u^{16} + \dots - 487.201u - 160.139 \\ 9.37211u^{17} + 3.53191u^{16} + \dots + 47.884u + 117.244 \\ -85.9950u^{17} - 63.7021u^{16} + \dots + 82.4518u + 0.203259 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -215.627u^{17} - 222.660u^{16} + \dots + 405.884u + 117.244 \\ -85.9950u^{17} - 63.7021u^{16} + \dots + 82.4518u + 0.203259 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -215.627u^{17} - 222.660u^{16} + \dots + 405.884u + 117.244 \\ -85.9950u^{17} - 63.7021u^{16} + \dots + 82.4518u + 0.203259 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{2181624}{2209}u^{17} - \frac{65819}{47}u^{16} + \dots + \frac{2035122}{2209}u + \frac{698331}{2209}u^{16} + \dots$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{18} + 2u^{16} + \dots + 73u - 9$
c_2	$3(3u^{18} + 2u^{17} + \dots + 2u - 1)$
c_3	$9(9u^{18} + 43u^{17} + \dots + 2u + 1)$
c_4	$u^{18} - u^{17} + \dots + u - 1$
<i>C</i> ₅	$u^{18} + 5u^{17} + \dots + 5u - 1$
<i>c</i> ₆	$3(3u^{18} - 2u^{17} + \dots - 2u - 1)$
C ₇	$3(3u^{18} - 5u^{17} + \dots + 5u - 1)$
c ₈	$u^{18} - 2u^{17} + \dots - 16u + 3$
<i>c</i> 9	$u^{18} + u^{17} + \dots - u - 1$
c_{10}	$3(3u^{18} + 5u^{17} + \dots - 5u - 1)$
c_{11}	$u^{18} + u^{17} + \dots + u - 3$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{18} + 4y^{17} + \dots - 1963y + 81$
c_2, c_6	$9(9y^{18} + 92y^{17} + \dots + 20y + 1)$
<i>c</i> ₃	$81(81y^{18} - 337y^{17} + \dots + 68y + 1)$
c_4, c_9	$y^{18} - 7y^{17} + \dots + 7y + 1$
<i>C</i> ₅	$y^{18} + 5y^{17} + \dots - 53y + 1$
c_{7}, c_{10}	$9(9y^{18} - 97y^{17} + \dots - 19y + 1)$
c_8	$y^{18} + 10y^{17} + \dots - 124y + 9$
c_{11}	$y^{18} - 11y^{17} + \dots + 221y + 9$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.780995 + 0.440969I		
a = -1.61273 - 1.14644I	4.36134 + 2.18737I	8.80548 - 3.19554I
b = 0.212915 + 0.379437I		
u = 0.780995 - 0.440969I		
a = -1.61273 + 1.14644I	4.36134 - 2.18737I	8.80548 + 3.19554I
b = 0.212915 - 0.379437I		
u = -0.339102 + 1.086600I		
a = -0.319782 + 0.346863I	-3.88886 + 2.12243I	-8.14463 - 0.96498I
b = -1.122480 + 0.498735I		
u = -0.339102 - 1.086600I		
a = -0.319782 - 0.346863I	-3.88886 - 2.12243I	-8.14463 + 0.96498I
b = -1.122480 - 0.498735I		
u = 0.837209 + 0.048554I		
a = -1.36354 - 3.19908I	1.21414 + 2.10668I	-22.6892 + 85.4035I
b = 0.76892 + 2.11639I		
u = 0.837209 - 0.048554I		
a = -1.36354 + 3.19908I	1.21414 - 2.10668I	-22.6892 - 85.4035I
b = 0.76892 - 2.11639I		
u = 1.23070		
a = 0.0833078	0.310540	-5.19690
b = 0.609420		
u = -1.125920 + 0.547527I		
a = -0.03613 - 1.67068I	-1.14935 - 7.43290I	0.39473 + 7.84303I
b = 1.36242 + 0.64729I		
u = -1.125920 - 0.547527I		
a = -0.03613 + 1.67068I	-1.14935 + 7.43290I	0.39473 - 7.84303I
b = 1.36242 - 0.64729I		
u = -0.724029		
a = -2.99527	-4.50458	-17.2590
b = -1.27402		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.191960 + 0.466111I		
a = 0.567132 + 0.755264I	5.97627 + 1.80190I	7.12473 - 2.98531I
b = -0.157242 - 0.316666I		
u = 1.191960 - 0.466111I		
a = 0.567132 - 0.755264I	5.97627 - 1.80190I	7.12473 + 2.98531I
b = -0.157242 + 0.316666I		
u = -0.581803 + 0.147990I		
a = 2.71735 - 2.53340I	-0.02231 - 6.50584I	-1.20256 + 7.92471I
b = 1.167760 + 0.264907I		
u = -0.581803 - 0.147990I		
a = 2.71735 + 2.53340I	-0.02231 + 6.50584I	-1.20256 - 7.92471I
b = 1.167760 - 0.264907I		
u = -1.35199 + 0.47087I		
a = 0.504369 + 1.206670I	4.68551 - 7.79285I	-0.53996 + 6.36550I
b = -0.940989 - 0.307748I		
u = -1.35199 - 0.47087I		
a = 0.504369 - 1.206670I	4.68551 + 7.79285I	-0.53996 - 6.36550I
b = -0.940989 + 0.307748I		
u = -0.498008 + 0.145181I		
a = 0.999314 - 0.327313I	-4.14491 + 3.52032I	-8.96118 - 2.06912I
b = -1.45900 + 0.31070I		
u = -0.498008 - 0.145181I		
a = 0.999314 + 0.327313I	-4.14491 - 3.52032I	-8.96118 + 2.06912I
b = -1.45900 - 0.31070I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{18} + 2u^{16} + \dots + 73u - 9)(u^{96} - 5u^{95} + \dots - 21760u - 2097) $
c_2	$9(3u^{18} + 2u^{17} + \dots + 2u - 1)(3u^{96} + 7u^{95} + \dots + 3339u - 297)$
<i>c</i> ₃	$81(9u^{18} + 43u^{17} + \dots + 2u + 1)(9u^{96} - 134u^{95} + \dots - 15u + 1)$
C ₄	$(u^{18} - u^{17} + \dots + u - 1)(u^{96} - 6u^{95} + \dots + 6966u - 1849)$
<i>C</i> ₅	$(u^{18} + 5u^{17} + \dots + 5u - 1)(u^{96} + 6u^{95} + \dots + 1962842u + 272431)$
<i>c</i> ₆	$9(3u^{18} - 2u^{17} + \dots - 2u - 1)(3u^{96} + 7u^{95} + \dots + 3339u - 297)$
C ₇	$9(3u^{18} - 5u^{17} + \dots + 5u - 1)(3u^{96} + 4u^{95} + \dots - 590u - 1097)$
c ₈	$(u^{18} - 2u^{17} + \dots - 16u + 3)(u^{96} - u^{95} + \dots + 56419u - 24573)$
<i>C</i> 9	$(u^{18} + u^{17} + \dots - u - 1)(u^{96} - 6u^{95} + \dots + 6966u - 1849)$
c_{10}	$9(3u^{18} + 5u^{17} + \dots - 5u - 1)(3u^{96} + 4u^{95} + \dots - 590u - 1097)$
c_{11}	$(u^{18} + u^{17} + \dots + u - 3)(u^{96} + 2u^{95} + \dots + 89272u - 13803)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{18} + 4y^{17} + \dots - 1963y + 81)$ $\cdot (y^{96} + 13y^{95} + \dots + 33993176y + 4397409)$
c_2, c_6	$81(9y^{18} + 92y^{17} + \dots + 20y + 1)$ $\cdot (9y^{96} + 593y^{95} + \dots + 7914915y + 88209)$
c_3	$6561(81y^{18} - 337y^{17} + \dots + 68y + 1)$ $\cdot (81y^{96} - 1972y^{95} + \dots + 55y + 1)$
c_4, c_9	$(y^{18} - 7y^{17} + \dots + 7y + 1)$ $\cdot (y^{96} - 58y^{95} + \dots - 92290986y + 3418801)$
<i>C</i> ₅	$(y^{18} + 5y^{17} + \dots - 53y + 1)$ $\cdot (y^{96} - 30y^{95} + \dots - 473184951454y + 74218649761)$
c_7, c_{10}	$81(9y^{18} - 97y^{17} + \dots - 19y + 1)$ $\cdot (9y^{96} - 460y^{95} + \dots - 30941236y + 1203409)$
c_8	$(y^{18} + 10y^{17} + \dots - 124y + 9)$ $\cdot (y^{96} - 17y^{95} + \dots - 17758136197y + 603832329)$
c_{11}	$(y^{18} - 11y^{17} + \dots + 221y + 9)$ $\cdot (y^{96} + 6y^{95} + \dots + 6944044184y + 190522809)$