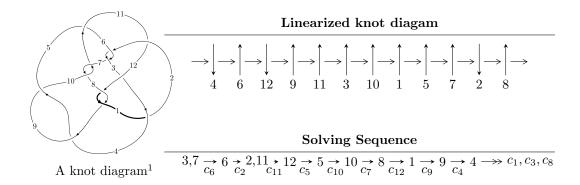
$12a_{1003} (K12a_{1003})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 3.15863 \times 10^{750} u^{156} - 2.01624 \times 10^{751} u^{155} + \dots + 4.47851 \times 10^{751} b - 4.21387 \times 10^{753}, \\ &1.25451 \times 10^{754} u^{156} - 7.61396 \times 10^{754} u^{155} + \dots + 3.94557 \times 10^{754} a - 1.13568 \times 10^{757}, \\ &u^{157} - 7u^{156} + \dots - 3640u + 881 \rangle \\ I_2^u &= \langle -5.77380 \times 10^{36} u^{40} + 1.80943 \times 10^{37} u^{39} + \dots + 5.47191 \times 10^{35} b + 1.17964 \times 10^{37}, \\ &9.19806 \times 10^{36} u^{40} - 2.98786 \times 10^{37} u^{39} + \dots + 5.47191 \times 10^{35} a - 2.34136 \times 10^{37}, \ u^{41} - 4u^{40} + \dots - 14u + 10^{35} u^{41} +$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 198 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.
$$I_1^u = \langle 3.16 \times 10^{750} u^{156} - 2.02 \times 10^{751} u^{155} + \dots + 4.48 \times 10^{751} b - 4.21 \times 10^{753}, \ 1.25 \times 10^{754} u^{156} - 7.61 \times 10^{754} u^{155} + \dots + 3.95 \times 10^{754} a - 1.14 \times 10^{757}, \ u^{157} - 7u^{156} + \dots - 3640u + 881 \rangle$$

(i) Arc colorings

$$a_{3} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -u \\ -u^{3} + u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.317955u^{156} + 1.92975u^{155} + \cdots - 902.978u + 287.837 \\ -0.0705285u^{156} + 0.450203u^{155} + \cdots - 249.968u + 94.0908 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.229475u^{156} + 1.38551u^{155} + \cdots - 632.399u + 196.980 \\ -0.0987142u^{156} + 0.620635u^{155} + \cdots - 325.032u + 118.759 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.501830u^{156} + 3.22052u^{155} + \cdots - 1801.63u + 674.638 \\ 0.244119u^{156} - 1.55615u^{155} + \cdots + 854.846u - 312.508 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.247427u^{156} + 1.47955u^{155} + \cdots - 653.011u + 193.746 \\ -0.0705285u^{156} + 0.450203u^{155} + \cdots - 249.968u + 94.0908 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.370563u^{156} - 2.33817u^{155} + \cdots + 1251.94u - 440.591 \\ -0.146125u^{156} + 0.920638u^{155} + \cdots - 493.697u + 177.241 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.0734131u^{156} - 0.454194u^{155} + \cdots + 248.277u - 72.3291 \\ -0.125171u^{156} + 0.773007u^{155} + \cdots - 392.350u + 134.951 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.216606u^{156} - 1.39291u^{155} + \cdots + 853.988u - 318.131 \\ -0.197723u^{156} + 1.25043u^{155} + \cdots + 853.988u - 318.131 \\ -0.197723u^{156} + 1.25043u^{155} + \cdots - 704.186u + 256.408 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 0.300574u^{156} + 1.94196u^{155} + \cdots - 1166.78u + 446.927 \\ 0.100662u^{156} - 0.649408u^{155} + \cdots + 395.009u - 145.897 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $0.305069u^{156} 2.01170u^{155} + \cdots + 1338.49u 547.708$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$3(3u^{157} - 52u^{156} + \dots + 6.59843 \times 10^9 u - 2.50543 \times 10^8)$
c_2, c_6	$u^{157} - 7u^{156} + \dots - 3640u + 881$
c_3	$u^{157} + 4u^{156} + \dots - 39323u + 2377$
c_4, c_9	$u^{157} + 2u^{156} + \dots - 10946982u - 5026927$
<i>C</i> ₅	$u^{157} - 2u^{156} + \dots + 20131088u + 6493917$
c_7, c_{10}	$3(3u^{157} + u^{156} + \dots + 1673953u + 321907)$
c_8, c_{12}	$u^{157} + u^{156} + \dots - 122125u - 35417$
c_{11}	$3(3u^{157} - 25u^{156} + \dots + 1.08396 \times 10^7 u - 673853)$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$9(9y^{157} + 458y^{156} + \dots + 1.96481 \times 10^{19}y - 6.27716 \times 10^{16})$
c_2, c_6	$y^{157} - 87y^{156} + \dots + 13639002y - 776161$
c_3	$y^{157} - 4y^{156} + \dots - 64518507y - 5650129$
c_4, c_9	$y^{157} - 126y^{156} + \dots + 601275991429812y - 25269995063329$
<i>C</i> ₅	$y^{157} - 18y^{156} + \dots + 2705906604634768y - 42170958002889$
c_7, c_{10}	$9(9y^{157} + 761y^{156} + \dots + 9.60988 \times 10^{11}y - 1.03624 \times 10^{11})$
c_8, c_{12}	$y^{157} - 97y^{156} + \dots - 7583991957y - 1254363889$
c_{11}	$9(9y^{157} + 359y^{156} + \dots + 1.54068 \times 10^{13}y - 4.54078 \times 10^{11})$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.940068 + 0.379267I		
a = -1.98273 - 0.79700I	-0.33928 + 4.05548I	0
b = -0.718037 - 0.916494I		
u = 0.940068 - 0.379267I		
a = -1.98273 + 0.79700I	-0.33928 - 4.05548I	0
b = -0.718037 + 0.916494I		
u = -1.002940 + 0.147287I		
a = 0.31203 - 2.13291I	3.42442 - 0.50214I	0
b = -0.47861 - 2.71346I		
u = -1.002940 - 0.147287I		
a = 0.31203 + 2.13291I	3.42442 + 0.50214I	0
b = -0.47861 + 2.71346I		
u = 0.978634 + 0.274923I		
a = -2.60228 - 0.80680I	-1.97541 + 2.97021I	0
b = -0.273961 - 1.107650I		
u = 0.978634 - 0.274923I		
a = -2.60228 + 0.80680I	-1.97541 - 2.97021I	0
b = -0.273961 + 1.107650I		
u = 0.265237 + 0.981962I		
a = -0.240104 - 0.491612I	-0.38275 - 7.61433I	0
b = -0.504910 + 1.246390I		
u = 0.265237 - 0.981962I		
a = -0.240104 + 0.491612I	-0.38275 + 7.61433I	0
b = -0.504910 - 1.246390I		
u = -0.211521 + 1.002810I		
a = 0.126460 + 0.448466I	-2.21196 + 2.93997I	0
b = -0.492969 - 1.161370I		
u = -0.211521 - 1.002810I		
a = 0.126460 - 0.448466I	-2.21196 - 2.93997I	0
b = -0.492969 + 1.161370I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.930229 + 0.430709I		
a = 0.861377 - 0.858328I	1.63307 + 3.70200I	0
b = 0.301793 + 1.181610I		
u = 0.930229 - 0.430709I		
a = 0.861377 + 0.858328I	1.63307 - 3.70200I	0
b = 0.301793 - 1.181610I		
u = 0.954419 + 0.407482I		
a = 2.25466 + 0.43323I	3.50050 + 10.88190I	0
b = 0.87448 + 1.23260I		
u = 0.954419 - 0.407482I		
a = 2.25466 - 0.43323I	3.50050 - 10.88190I	0
b = 0.87448 - 1.23260I		
u = 0.936944 + 0.189916I		
a = -1.28703 + 0.78530I	-0.01793 + 4.21639I	0
b = -0.16370 - 1.41273I		
u = 0.936944 - 0.189916I		
a = -1.28703 - 0.78530I	-0.01793 - 4.21639I	0
b = -0.16370 + 1.41273I		
u = -0.859317 + 0.409708I		
a = 1.85769 - 0.47809I	-3.38204 - 1.28289I	0
b = 0.349445 - 1.015990I		
u = -0.859317 - 0.409708I		
a = 1.85769 + 0.47809I	-3.38204 + 1.28289I	0
b = 0.349445 + 1.015990I		
u = -0.960538 + 0.419471I		
a = -2.17983 - 0.60646I	0.36542 - 5.39045I	0
b = -0.14648 + 1.45067I		
u = -0.960538 - 0.419471I		
a = -2.17983 + 0.60646I	0.36542 + 5.39045I	0
b = -0.14648 - 1.45067I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.992190 + 0.354514I	·	
a = 2.28833 - 1.24116I	-0.018463 - 1.000730I	0
b = -0.047051 - 0.824743I		
u = -0.992190 - 0.354514I		
a = 2.28833 + 1.24116I	-0.018463 + 1.000730I	0
b = -0.047051 + 0.824743I		
u = -0.926433 + 0.168451I		
a = -0.57961 + 1.98870I	3.26391 - 0.62070I	0
b = 0.41787 + 2.35059I		
u = -0.926433 - 0.168451I		
a = -0.57961 - 1.98870I	3.26391 + 0.62070I	0
b = 0.41787 - 2.35059I		
u = -0.980262 + 0.428091I		
a = -1.80985 + 0.31282I	-1.48693 - 6.48155I	0
b = -0.495296 + 1.319170I		
u = -0.980262 - 0.428091I		
a = -1.80985 - 0.31282I	-1.48693 + 6.48155I	0
b = -0.495296 - 1.319170I		
u = 0.315999 + 0.874305I		
a = 0.104004 + 0.663777I	-2.03809 + 2.27481I	0
b = -0.142592 - 1.028540I		
u = 0.315999 - 0.874305I		
a = 0.104004 - 0.663777I	-2.03809 - 2.27481I	0
b = -0.142592 + 1.028540I		
u = -0.892387 + 0.605370I		
a = -1.32596 - 1.08784I	7.95098 + 0.39175I	0
b = -0.026964 + 0.698522I		
u = -0.892387 - 0.605370I		
a = -1.32596 + 1.08784I	7.95098 - 0.39175I	0
b = -0.026964 - 0.698522I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.991081 + 0.435230I		
a = 1.83298 + 0.02853I	0.06925 + 2.18252I	0
b = 0.065159 + 0.986675I		
u = 0.991081 - 0.435230I		
a = 1.83298 - 0.02853I	0.06925 - 2.18252I	0
b = 0.065159 - 0.986675I		
u = -0.886814 + 0.221578I		
a = 0.12838 + 1.89687I	4.12367 - 9.20788I	0
b = 0.209064 - 1.216420I		
u = -0.886814 - 0.221578I		
a = 0.12838 - 1.89687I	4.12367 + 9.20788I	0
b = 0.209064 + 1.216420I		
u = -0.099493 + 0.902011I		
a = -0.112461 - 0.621935I	6.76073 - 7.93427I	0
b = 1.007580 + 0.245193I		
u = -0.099493 - 0.902011I		
a = -0.112461 + 0.621935I	6.76073 + 7.93427I	0
b = 1.007580 - 0.245193I		
u = 0.145222 + 0.883203I		
a = -0.054889 - 0.346944I	1.84082 + 3.69658I	0
b = -0.480987 - 0.231183I		
u = 0.145222 - 0.883203I		
a = -0.054889 + 0.346944I	1.84082 - 3.69658I	0
b = -0.480987 + 0.231183I		
u = 1.084780 + 0.276644I		
a = 1.45784 - 0.01347I	6.32272 - 0.59511I	0
b = 1.38168 + 0.42360I		
u = 1.084780 - 0.276644I		
a = 1.45784 + 0.01347I	6.32272 + 0.59511I	0
b = 1.38168 - 0.42360I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.832564 + 0.276094I		
a = -2.75557 + 1.24139I	4.07125 + 6.86786I	0
b = 0.192524 + 0.825234I		
u = -0.832564 - 0.276094I		
a = -2.75557 - 1.24139I	4.07125 - 6.86786I	0
b = 0.192524 - 0.825234I		
u = 0.850835 + 0.208150I		
a = 2.37851 + 0.82111I	-0.23173 - 2.34391I	0
b = 0.019601 + 1.135210I		
u = 0.850835 - 0.208150I		
a = 2.37851 - 0.82111I	-0.23173 + 2.34391I	0
b = 0.019601 - 1.135210I		
u = 1.12981		
a = -3.99219	3.09144	0
b = -4.88139		
u = -0.365591 + 1.071290I		
a = 0.186799 - 0.445736I	-3.89586 + 2.83855I	0
b = 0.227281 + 1.054610I		
u = -0.365591 - 1.071290I		
a = 0.186799 + 0.445736I	-3.89586 - 2.83855I	0
b = 0.227281 - 1.054610I		
u = 0.478428 + 1.032730I		
a = 0.435406 - 0.192254I	3.36390 + 5.17164I	0
b = 0.258703 + 1.148930I		
u = 0.478428 - 1.032730I		
a = 0.435406 + 0.192254I	3.36390 - 5.17164I	0
b = 0.258703 - 1.148930I		
u = -0.237037 + 1.121450I		
a = -0.106545 - 0.177285I	-0.84670 + 4.70707I	0
b = 0.686097 + 1.017130I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.237037 - 1.121450I		
a = -0.106545 + 0.177285I	-0.84670 - 4.70707I	0
b = 0.686097 - 1.017130I		
u = 1.104340 + 0.348730I		
a = 1.46389 - 0.72900I	10.37710 + 0.95074I	0
b = 0.937774 - 0.617346I		
u = 1.104340 - 0.348730I		
a = 1.46389 + 0.72900I	10.37710 - 0.95074I	0
b = 0.937774 + 0.617346I		
u = -0.841215		
a = -2.76910	2.54729	0
b = -1.75348		
u = -1.136070 + 0.230671I		
a = -1.29900 - 0.66394I	4.27709 - 0.89813I	0
b = -1.30305 - 0.67519I		
u = -1.136070 - 0.230671I		
a = -1.29900 + 0.66394I	4.27709 + 0.89813I	0
b = -1.30305 + 0.67519I		
u = 0.251700 + 1.132310I		
a = 0.104662 + 0.399000I	3.5771 - 13.7736I	0
b = 0.605145 - 1.263170I		
u = 0.251700 - 1.132310I		
a = 0.104662 - 0.399000I	3.5771 + 13.7736I	0
b = 0.605145 + 1.263170I		
u = 1.149430 + 0.195951I		
a = 0.767670 - 0.224887I	2.24833 + 0.22726I	0
b = 0.326737 - 0.396732I		
u = 1.149430 - 0.195951I		
a = 0.767670 + 0.224887I	2.24833 - 0.22726I	0
b = 0.326737 + 0.396732I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.672945 + 0.969555I		
a = -0.264643 + 0.570375I	-1.78286 + 2.99407I	0
b = 0.136864 - 1.248680I		
u = 0.672945 - 0.969555I		
a = -0.264643 - 0.570375I	-1.78286 - 2.99407I	0
b = 0.136864 + 1.248680I		
u = -0.010867 + 0.811017I		
a = 0.511690 + 0.149434I	4.97082 - 2.02878I	0
b = 0.432928 - 1.084160I		
u = -0.010867 - 0.811017I		
a = 0.511690 - 0.149434I	4.97082 + 2.02878I	0
b = 0.432928 + 1.084160I		
u = 0.085142 + 0.800877I		
a = -0.243327 + 0.386628I	3.15585 - 2.56260I	0
b = -0.902161 - 0.085459I		
u = 0.085142 - 0.800877I		
a = -0.243327 - 0.386628I	3.15585 + 2.56260I	0
b = -0.902161 + 0.085459I		
u = -1.004230 + 0.683340I		
a = 0.97985 + 1.09057I	8.33164 - 5.55456I	0
b = 0.303988 - 0.921871I		
u = -1.004230 - 0.683340I		
a = 0.97985 - 1.09057I	8.33164 + 5.55456I	0
b = 0.303988 + 0.921871I		
u = -1.145370 + 0.409179I		
a = 0.975786 + 0.319146I	1.48505 - 4.76360I	0
b = 0.683907 + 0.293022I		
u = -1.145370 - 0.409179I		
a = 0.975786 - 0.319146I	1.48505 + 4.76360I	0
b = 0.683907 - 0.293022I		
·		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.202660 + 0.183165I		
a = 1.61782 + 0.22186I	11.72880 - 4.15665I	0
b = 0.898146 + 0.290670I		
u = -1.202660 - 0.183165I		
a = 1.61782 - 0.22186I	11.72880 + 4.15665I	0
b = 0.898146 - 0.290670I		
u = 0.588847 + 1.087180I		
a = 0.224007 - 0.403410I	-1.74500 - 0.96923I	0
b = -0.470988 + 0.978656I		
u = 0.588847 - 1.087180I		
a = 0.224007 + 0.403410I	-1.74500 + 0.96923I	0
b = -0.470988 - 0.978656I		
u = 0.746225 + 0.148692I		
a = 0.10192 - 1.63298I	-2.96443 - 0.78009I	0
b = -0.112447 + 1.272250I		
u = 0.746225 - 0.148692I		
a = 0.10192 + 1.63298I	-2.96443 + 0.78009I	0
b = -0.112447 - 1.272250I		
u = -0.651169 + 0.358375I		
a = 0.0686270 + 0.1063040I	-4.02210 - 2.18252I	0
b = 0.099793 + 1.322930I		
u = -0.651169 - 0.358375I		
a = 0.0686270 - 0.1063040I	-4.02210 + 2.18252I	0
b = 0.099793 - 1.322930I		
u = 0.741751		
a = -2.68029	0.202774	0
b = -0.520214		
u = 1.230640 + 0.312614I		
a = -0.509647 + 0.563531I	2.89561 + 0.98168I	0
b = -0.806516 + 0.810081I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.230640 - 0.312614I		
a = -0.509647 - 0.563531I	2.89561 - 0.98168I	0
b = -0.806516 - 0.810081I		
u = -1.212490 + 0.378927I		
a = -1.36189 - 0.50506I	7.09906 - 1.53094I	0
b = -0.936228 + 0.342973I		
u = -1.212490 - 0.378927I		
a = -1.36189 + 0.50506I	7.09906 + 1.53094I	0
b = -0.936228 - 0.342973I		
u = 0.558577 + 0.455748I		
a = 0.179935 - 0.395736I	2.34201 - 7.23201I	0
b = 0.53765 - 1.34383I		
u = 0.558577 - 0.455748I		
a = 0.179935 + 0.395736I	2.34201 + 7.23201I	0
b = 0.53765 + 1.34383I		
u = 1.192890 + 0.477029I		
a = -1.24954 + 0.68647I	6.43229 + 7.19422I	0
b = -1.112830 + 0.099371I		
u = 1.192890 - 0.477029I		
a = -1.24954 - 0.68647I	6.43229 - 7.19422I	0
b = -1.112830 - 0.099371I		
u = -1.221780 + 0.411210I		
a = -1.174480 + 0.753815I	6.83236 - 7.95836I	0
b = -0.038183 + 0.577436I		
u = -1.221780 - 0.411210I		
a = -1.174480 - 0.753815I	6.83236 + 7.95836I	0
b = -0.038183 - 0.577436I		
u = -0.395248 + 0.575371I		
a = 0.470642 + 0.159566I	-3.07407 + 2.55513I	0
b = -0.241293 - 1.308030I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.395248 - 0.575371I		
a = 0.470642 - 0.159566I	-3.07407 - 2.55513I	0
b = -0.241293 + 1.308030I		
u = -0.303975 + 1.268120I		
a = -0.074618 + 0.413208I	-1.80731 + 6.48795I	0
b = -0.324522 - 1.163040I		
u = -0.303975 - 1.268120I		
a = -0.074618 - 0.413208I	-1.80731 - 6.48795I	0
b = -0.324522 + 1.163040I		
u = -1.282640 + 0.235647I		
a = -0.542191 - 0.790232I	5.05464 + 3.67482I	0
b = -0.572683 - 1.001490I		
u = -1.282640 - 0.235647I		
a = -0.542191 + 0.790232I	5.05464 - 3.67482I	0
b = -0.572683 + 1.001490I		
u = 1.150710 + 0.622498I		
a = 1.365570 - 0.160083I	-0.01137 + 2.86857I	0
b = 0.304017 + 1.166240I		
u = 1.150710 - 0.622498I		
a = 1.365570 + 0.160083I	-0.01137 - 2.86857I	0
b = 0.304017 - 1.166240I		
u = 0.652610 + 0.228509I		
a = -1.45929 + 0.45221I	-1.40841 - 1.03482I	0
b = -0.491252 + 1.211040I		
u = 0.652610 - 0.228509I		
a = -1.45929 - 0.45221I	-1.40841 + 1.03482I	0
b = -0.491252 - 1.211040I		
u = 1.230150 + 0.457183I		
a = 1.86862 + 0.30880I	8.63806 + 6.58263I	0
b = 0.595300 + 1.112310I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.230150 - 0.457183I		
a = 1.86862 - 0.30880I	8.63806 - 6.58263I	0
b = 0.595300 - 1.112310I		
u = -1.221880 + 0.483922I		
a = 0.118880 + 0.850668I	8.47557 - 2.60885I	0
b = 0.413748 + 0.836255I		
u = -1.221880 - 0.483922I		
a = 0.118880 - 0.850668I	8.47557 + 2.60885I	0
b = 0.413748 - 0.836255I		
u = -0.002924 + 0.668001I		
a = -0.954122 - 0.485700I	3.24415 + 3.94333I	6.66242 - 2.43245I
b = 0.490361 - 0.836450I		
u = -0.002924 - 0.668001I		
a = -0.954122 + 0.485700I	3.24415 - 3.94333I	6.66242 + 2.43245I
b = 0.490361 + 0.836450I		
u = 1.335730 + 0.026665I		
a = -0.766227 - 0.149316I	5.90993 - 1.81141I	0
b = -0.575550 + 0.484274I		
u = 1.335730 - 0.026665I		
a = -0.766227 + 0.149316I	5.90993 + 1.81141I	0
b = -0.575550 - 0.484274I		
u = -1.297560 + 0.347143I		
a = 1.67211 - 0.54276I	8.77602 - 9.22171I	0
b = 0.498888 - 1.215030I		
u = -1.297560 - 0.347143I		
a = 1.67211 + 0.54276I	8.77602 + 9.22171I	0
b = 0.498888 + 1.215030I		
u = 1.272610 + 0.446499I		
a = 1.29018 - 0.61789I	10.8950 + 12.6205I	0
b = 1.49289 - 0.13590I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.272610 - 0.446499I		
a = 1.29018 + 0.61789I	10.8950 - 12.6205I	0
b = 1.49289 + 0.13590I		
u = -1.276700 + 0.442942I		
a = -1.205910 - 0.120530I	6.06059 - 8.31394I	0
b = -0.917739 + 0.240078I		
u = -1.276700 - 0.442942I		
a = -1.205910 + 0.120530I	6.06059 + 8.31394I	0
b = -0.917739 - 0.240078I		
u = -1.246350 + 0.566226I		
a = -1.55700 - 0.00197I	1.02219 - 8.52879I	0
b = -0.67386 + 1.38478I		
u = -1.246350 - 0.566226I		
a = -1.55700 + 0.00197I	1.02219 + 8.52879I	0
b = -0.67386 - 1.38478I		
u = 1.233860 + 0.594092I		
a = -1.76189 + 0.07564I	2.62811 + 13.31030I	0
b = -0.60762 - 1.33298I		
u = 1.233860 - 0.594092I		
a = -1.76189 - 0.07564I	2.62811 - 13.31030I	0
b = -0.60762 + 1.33298I		
u = -1.240350 + 0.632271I		
a = 1.43435 + 0.05998I	-1.05661 - 8.93991I	0
b = 0.431199 - 1.141240I		
u = -1.240350 - 0.632271I		
a = 1.43435 - 0.05998I	-1.05661 + 8.93991I	0
b = 0.431199 + 1.141240I		
u = 0.494053 + 0.335352I		
a = -2.52144 + 0.77520I	0.494586 - 0.137656I	7.45584 - 1.59904I
b = 0.358875 - 0.463582I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.494053 - 0.335352I		
a = -2.52144 - 0.77520I	0.494586 + 0.137656I	7.45584 + 1.59904I
b = 0.358875 + 0.463582I		
u = 0.385856 + 1.352480I		
a = -0.053478 - 0.324748I	1.23920 + 4.73510I	0
b = 0.121422 + 0.675308I		
u = 0.385856 - 1.352480I		
a = -0.053478 + 0.324748I	1.23920 - 4.73510I	0
b = 0.121422 - 0.675308I		
u = 1.224880 + 0.697393I		
a = -1.236250 + 0.323383I	0.49490 + 7.51247I	0
b = -0.599822 - 1.246190I		
u = 1.224880 - 0.697393I		
a = -1.236250 - 0.323383I	0.49490 - 7.51247I	0
b = -0.599822 + 1.246190I		
u = -1.310030 + 0.532093I		
a = 1.105320 + 0.488741I	10.35490 + 2.57565I	0
b = 0.985273 - 0.830058I		
u = -1.310030 - 0.532093I		
a = 1.105320 - 0.488741I	10.35490 - 2.57565I	0
b = 0.985273 + 0.830058I		
u = -1.27900 + 0.61571I		
a = 1.48471 + 0.10969I	2.45284 - 10.82650I	0
b = 0.93189 - 1.31791I		
u = -1.27900 - 0.61571I		
a = 1.48471 - 0.10969I	2.45284 + 10.82650I	0
b = 0.93189 + 1.31791I		
u = -0.165472 + 0.550175I		
a = 0.767560 + 0.697747I	-1.35785 + 0.98752I	-1.29117 - 3.08551I
b = 0.216684 + 0.026415I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.165472 - 0.550175I		
a = 0.767560 - 0.697747I	-1.35785 - 0.98752I	-1.29117 + 3.08551I
b = 0.216684 - 0.026415I		
u = -0.545304 + 0.159279I		
a = 1.95040 - 1.87491I	-1.50821 - 1.86231I	6.40525 + 3.46383I
b = -0.169129 + 1.173590I		
u = -0.545304 - 0.159279I		
a = 1.95040 + 1.87491I	-1.50821 + 1.86231I	6.40525 - 3.46383I
b = -0.169129 - 1.173590I		
u = 1.29038 + 0.63282I		
a = 1.60527 - 0.08443I	6.8673 + 20.0217I	0
b = 0.70327 + 1.41141I		
u = 1.29038 - 0.63282I		
a = 1.60527 + 0.08443I	6.8673 - 20.0217I	0
b = 0.70327 - 1.41141I		
u = 1.43902		
a = 0.780025	5.83550	0
b = 1.03725		
u = 1.35818 + 0.53888I		
a = -0.523752 + 0.129492I	5.33089 + 1.99737I	0
b = -0.373814 - 0.226537I		
u = 1.35818 - 0.53888I		
a = -0.523752 - 0.129492I	5.33089 - 1.99737I	0
b = -0.373814 + 0.226537I		
u = -1.31789 + 0.66541I		
a = -1.332690 - 0.031115I	1.52411 - 13.21170I	0
b = -0.475609 + 1.322890I		
u = -1.31789 - 0.66541I		
a = -1.332690 + 0.031115I	1.52411 + 13.21170I	0
b = -0.475609 - 1.322890I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.47475 + 0.19041I		
a = 0.545867 + 0.521383I	9.88142 + 8.82156I	0
b = 0.732973 + 0.913287I		
u = -1.47475 - 0.19041I		
a = 0.545867 - 0.521383I	9.88142 - 8.82156I	0
b = 0.732973 - 0.913287I		
u = 1.14686 + 0.96038I		
a = -0.605008 + 0.398906I	5.56411 + 4.17240I	0
b = -0.040711 - 0.781129I		
u = 1.14686 - 0.96038I		
a = -0.605008 - 0.398906I	5.56411 - 4.17240I	0
b = -0.040711 + 0.781129I		
u = 1.43125 + 0.50049I		
a = -0.783624 - 0.155756I	5.30313 + 2.18170I	0
b = -0.357655 - 0.747380I		
u = 1.43125 - 0.50049I		
a = -0.783624 + 0.155756I	5.30313 - 2.18170I	0
b = -0.357655 + 0.747380I		
u = -0.251646 + 0.406807I		
a = 0.33318 + 2.40544I	-1.29282 + 1.80020I	4.94387 - 1.81085I
b = -0.299432 - 1.319180I		
u = -0.251646 - 0.406807I		
a = 0.33318 - 2.40544I	-1.29282 - 1.80020I	4.94387 + 1.81085I
b = -0.299432 + 1.319180I		
u = 0.148503 + 0.430126I		
a = 1.72457 - 0.16017I	7.69657 + 2.17921I	12.55242 - 1.74361I
b = 0.757884 + 0.163023I		
u = 0.148503 - 0.430126I		
a = 1.72457 + 0.16017I	7.69657 - 2.17921I	12.55242 + 1.74361I
b = 0.757884 - 0.163023I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.51878 + 0.52537I		
a = 0.084289 - 0.175239I	6.81087 + 2.00402I	0
b = 0.196709 - 0.743397I		
u = 1.51878 - 0.52537I		
a = 0.084289 + 0.175239I	6.81087 - 2.00402I	0
b = 0.196709 + 0.743397I		
u = 1.31809 + 0.95094I		
a = 0.658199 - 0.294699I	6.01781 + 4.00616I	0
b = 0.224219 + 0.989431I		
u = 1.31809 - 0.95094I		
a = 0.658199 + 0.294699I	6.01781 - 4.00616I	0
b = 0.224219 - 0.989431I		
u = 0.287127		
a = 0.871320	0.698705	14.8840
b = -0.364949		
u = -0.079945 + 0.266084I		
a = 1.26621 - 2.63233I	1.55586 - 0.49268I	7.54332 - 0.87240I
b = -0.627100 - 0.274595I		
u = -0.079945 - 0.266084I		
a = 1.26621 + 2.63233I	1.55586 + 0.49268I	7.54332 + 0.87240I
b = -0.627100 + 0.274595I		

II.
$$I_2^u = \langle -5.77 \times 10^{36} u^{40} + 1.81 \times 10^{37} u^{39} + \dots + 5.47 \times 10^{35} b + 1.18 \times 10^{37}, \ 9.20 \times 10^{36} u^{40} - 2.99 \times 10^{37} u^{39} + \dots + 5.47 \times 10^{35} a - 2.34 \times 10^{37}, \ u^{41} - 4u^{40} + \dots - 14u + 1 \rangle$$

(i) Arc colorings

$$a_{3} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -u \\ -u^{3} + u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -16.8096u^{40} + 54.6037u^{39} + \dots - 384.073u + 42.7887 \\ 10.5517u^{40} - 33.0677u^{39} + \dots + 269.069u - 21.5581 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -16.9731u^{40} + 54.5664u^{39} + \dots - 410.223u + 44.7456 \\ 11.0764u^{40} - 34.7335u^{39} + \dots + 285.706u - 22.8237 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 30.5945u^{40} - 95.7357u^{39} + \dots + 875.525u - 74.5861 \\ -8.61959u^{40} + 29.7151u^{39} + \dots - 163.847u + 13.6794 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -27.3613u^{40} + 87.6713u^{39} + \dots - 653.141u + 64.3468 \\ 10.5517u^{40} - 33.0677u^{39} + \dots + 269.069u - 21.5581 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -20.1539u^{40} + 66.6605u^{39} + \dots - 446.233u + 43.2720 \\ -0.275367u^{40} - 0.762074u^{39} + \dots - 37.1858u + 2.13928 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -6.85898u^{40} + 28.4853u^{39} + \dots - 34.2569u + 15.9890 \\ -1.93221u^{40} + 8.54124u^{39} + \dots + 39.0987u - 2.84229 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -47.1489u^{40} + 168.905u^{39} + \dots + 39.0987u - 2.84229 \\ 9.62933u^{40} - 32.9306u^{39} + \dots + 180.770u - 14.8886 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 28.0943u^{40} - 101.022u^{39} + \dots + 359.949u - 43.5567 \\ -8.58248u^{40} + 29.6857u^{39} + \dots - 152.110u + 12.8916 \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $78.7593u^{40} 271.272u^{39} + \cdots + 1093.59u 89.1575$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$3(3u^{41} + 13u^{40} + \dots - 13u + 1)$
c_2	$u^{41} + 4u^{40} + \dots - 14u - 1$
c_3	$u^{41} - 3u^{40} + \dots + u + 1$
c_4	$u^{41} + u^{40} + \dots + 4u + 1$
<i>C</i> ₅	$u^{41} - u^{40} + \dots - 98u + 21$
	$u^{41} - 4u^{40} + \dots - 14u + 1$
	$3(3u^{41} + 38u^{40} + \dots + 7u + 1)$
c ₈	$u^{41} - 9u^{39} + \dots - 19u - 1$
<i>c</i> ₉	$u^{41} - u^{40} + \dots + 4u - 1$
c_{10}	$3(3u^{41} - 38u^{40} + \dots + 7u - 1)$
c_{11}	$3(3u^{41} - 26u^{40} + \dots - 3u + 1)$
c_{12}	$u^{41} - 9u^{39} + \dots - 19u + 1$
·	99

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$9(9y^{41} - 343y^{40} + \dots + 29y - 1)$
c_2, c_6	$y^{41} - 20y^{40} + \dots + 164y - 1$
c_3	$y^{41} - 9y^{40} + \dots + 15y - 1$
c_4, c_9	$y^{41} - 39y^{40} + \dots + 14y - 1$
<i>C</i> ₅	$y^{41} + 9y^{40} + \dots + 14098y - 441$
c_7, c_{10}	$9(9y^{41} - 112y^{40} + \dots - 245y - 1)$
c_8, c_{12}	$y^{41} - 18y^{40} + \dots + 261y - 1$
c_{11}	$9(9y^{41} - 298y^{40} + \dots + 23y - 1)$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.967192 + 0.276575I		
a = -2.34467 + 1.19064I	-0.05487 - 3.00795I	10.53277 + 3.04890I
b = -0.513333 + 1.085480I		
u = -0.967192 - 0.276575I		
a = -2.34467 - 1.19064I	-0.05487 + 3.00795I	10.53277 - 3.04890I
b = -0.513333 - 1.085480I		
u = 0.917296 + 0.374401I		
a = -1.93922 + 0.77186I	-1.07814 + 4.47132I	3.31883 - 6.44593I
b = -0.235092 - 1.333590I		
u = 0.917296 - 0.374401I		
a = -1.93922 - 0.77186I	-1.07814 - 4.47132I	3.31883 + 6.44593I
b = -0.235092 + 1.333590I		
u = 0.957227 + 0.369955I		
a = 2.11553 + 0.67760I	-1.28013 + 1.50111I	4.03097 - 2.30869I
b = 0.047538 + 0.842774I		
u = 0.957227 - 0.369955I		
a = 2.11553 - 0.67760I	-1.28013 - 1.50111I	4.03097 + 2.30869I
b = 0.047538 - 0.842774I		
u = 0.530210 + 0.810440I		
a = 0.710976 - 0.666761I	-2.42496 - 0.20996I	2.55692 - 2.02439I
b = -0.315679 + 1.151370I		
u = 0.530210 - 0.810440I		
a = 0.710976 + 0.666761I	-2.42496 + 0.20996I	2.55692 + 2.02439I
b = -0.315679 - 1.151370I		
u = -0.957972 + 0.430465I		
a = 1.41892 + 1.18660I	8.98186 + 0.39614I	15.1411 + 0.I
b = 0.646242 - 0.047894I		
u = -0.957972 - 0.430465I		
a = 1.41892 - 1.18660I	8.98186 - 0.39614I	15.1411 + 0.I
b = 0.646242 + 0.047894I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.10437		
a = -5.17172	3.11824	205.070
b = -6.08818		
u = 0.886514		
a = -3.03550	2.73703	29.8820
b = -1.93867		
u = 0.412391 + 0.751176I		
a = -0.288581 + 1.215010I	-1.61210 + 4.07460I	5.53794 - 6.18665I
b = -0.051027 - 1.286210I		
u = 0.412391 - 0.751176I		
a = -0.288581 - 1.215010I	-1.61210 - 4.07460I	5.53794 + 6.18665I
b = -0.051027 + 1.286210I		
u = -1.034310 + 0.494300I		
a = -0.892975 - 0.699136I	9.25914 - 4.28800I	14.2709 + 3.4191I
b = -0.0244412 + 0.0814704I		
u = -1.034310 - 0.494300I		
a = -0.892975 + 0.699136I	9.25914 + 4.28800I	14.2709 - 3.4191I
b = -0.0244412 - 0.0814704I		
u = -0.286646 + 1.124780I		
a = 0.054480 + 0.327935I	-2.21574 + 3.68999I	6.00000 - 8.07545I
b = -0.559946 - 1.046810I		
u = -0.286646 - 1.124780I		
a = 0.054480 - 0.327935I	-2.21574 - 3.68999I	6.00000 + 8.07545I
b = -0.559946 + 1.046810I		
u = -0.800978 + 0.205134I		
a = -1.065430 + 0.712656I	-0.769602 + 0.776118I	12.89317 + 1.67571I
b = -0.367763 - 1.235220I		
u = -0.800978 - 0.205134I		
a = -1.065430 - 0.712656I	-0.769602 - 0.776118I	12.89317 - 1.67571I
b = -0.367763 + 1.235220I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.386012 + 0.663461I		
a = 0.444495 + 0.472978I	-2.95452 + 2.14772I	-0.86553 - 3.38082I
b = -0.147129 - 1.096260I		
u = 0.386012 - 0.663461I		
a = 0.444495 - 0.472978I	-2.95452 - 2.14772I	-0.86553 + 3.38082I
b = -0.147129 + 1.096260I		
u = 1.231620 + 0.160871I		
a = -1.124090 + 0.424481I	4.15697 + 0.17532I	0
b = -1.302950 + 0.441045I		
u = 1.231620 - 0.160871I		
a = -1.124090 - 0.424481I	4.15697 - 0.17532I	0
b = -1.302950 - 0.441045I		
u = -1.266290 + 0.322271I		
a = 1.39309 - 0.89120I	6.90593 - 9.52644I	0
b = 0.518096 - 0.955301I		
u = -1.266290 - 0.322271I		
a = 1.39309 + 0.89120I	6.90593 + 9.52644I	0
b = 0.518096 + 0.955301I		
u = 0.279885 + 1.313700I		
a = 0.066965 - 0.177930I	1.00126 + 5.06650I	0
b = 0.252183 + 0.794730I		
u = 0.279885 - 1.313700I		
a = 0.066965 + 0.177930I	1.00126 - 5.06650I	0
b = 0.252183 - 0.794730I		
u = 0.655115 + 0.018638I		
a = 1.52419 + 1.39024I	-3.06353 + 1.37351I	2.29163 - 5.49510I
b = -0.034102 - 1.225130I		
u = 0.655115 - 0.018638I		
a = 1.52419 - 1.39024I	-3.06353 - 1.37351I	2.29163 + 5.49510I
b = -0.034102 + 1.225130I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.643826 + 0.045739I		
a = 2.09848 + 1.89990I	3.72596 - 8.23668I	8.54707 + 5.16332I
b = 0.380025 - 1.158640I		
u = -0.643826 - 0.045739I		
a = 2.09848 - 1.89990I	3.72596 + 8.23668I	8.54707 - 5.16332I
b = 0.380025 + 1.158640I		
u = -1.267810 + 0.617591I		
a = -1.46734 - 0.11750I	0.95752 - 9.82258I	0
b = -0.73768 + 1.30815I		
u = -1.267810 - 0.617591I		
a = -1.46734 + 0.11750I	0.95752 + 9.82258I	0
b = -0.73768 - 1.30815I		
u = 1.39694 + 0.47967I		
a = 0.174461 - 0.228758I	5.36194 + 1.49175I	0
b = 0.304501 - 0.460096I		
u = 1.39694 - 0.47967I		
a = 0.174461 + 0.228758I	5.36194 - 1.49175I	0
b = 0.304501 + 0.460096I		
u = 1.11046 + 1.02409I		
a = 0.522862 - 0.518226I	5.34780 + 4.81823I	0
b = 0.196296 + 0.895503I		
u = 1.11046 - 1.02409I		
a = 0.522862 + 0.518226I	5.34780 - 4.81823I	0
b = 0.196296 - 0.895503I		
u = 1.41533 + 0.76051I		
a = -0.735876 + 0.009228I	6.57758 + 3.22162I	0
b = -0.123930 - 0.841675I		
u = 1.41533 - 0.76051I		
a = -0.735876 - 0.009228I	6.57758 - 3.22162I	0
b = -0.123930 + 0.841675I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.0829231		
a = 12.2081	-0.543185	0.991690
b = -0.503450		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$9(3u^{41} + 13u^{40} + \dots - 13u + 1)$ $\cdot (3u^{157} - 52u^{156} + \dots + 6598433823u - 250542571)$
c_2	$(u^{41} + 4u^{40} + \dots - 14u - 1)(u^{157} - 7u^{156} + \dots - 3640u + 881)$
<i>C</i> ₃	$(u^{41} - 3u^{40} + \dots + u + 1)(u^{157} + 4u^{156} + \dots - 39323u + 2377)$
C4	$(u^{41} + u^{40} + \dots + 4u + 1)(u^{157} + 2u^{156} + \dots - 1.09470 \times 10^7 u - 5026927)$
<i>C</i> ₅	$(u^{41} - u^{40} + \dots - 98u + 21)$ $\cdot (u^{157} - 2u^{156} + \dots + 20131088u + 6493917)$
c_6	$ (u^{41} - 4u^{40} + \dots - 14u + 1)(u^{157} - 7u^{156} + \dots - 3640u + 881) $
C ₇	$9(3u^{41} + 38u^{40} + \dots + 7u + 1)$ $\cdot (3u^{157} + u^{156} + \dots + 1673953u + 321907)$
c_8	$(u^{41} - 9u^{39} + \dots - 19u - 1)(u^{157} + u^{156} + \dots - 122125u - 35417)$
<i>c</i> ₉	$(u^{41} - u^{40} + \dots + 4u - 1)(u^{157} + 2u^{156} + \dots - 1.09470 \times 10^7 u - 5026927)$
c_{10}	$9(3u^{41} - 38u^{40} + \dots + 7u - 1)$ $\cdot (3u^{157} + u^{156} + \dots + 1673953u + 321907)$
c_{11}	$9(3u^{41} - 26u^{40} + \dots - 3u + 1)$ $\cdot (3u^{157} - 25u^{156} + \dots + 10839641u - 673853)$
c_{12}	$(u^{41} - 9u^{39} + \dots - 19u + 1)(u^{157} + u^{156} + \dots - 122125u - 35417)$ 31

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$81(9y^{41} - 343y^{40} + \dots + 29y - 1)$ $\cdot (9y^{157} + 458y^{156} + \dots + 1.96 \times 10^{19}y - 6.28 \times 10^{16})$
c_2, c_6	$(y^{41} - 20y^{40} + \dots + 164y - 1)$ $\cdot (y^{157} - 87y^{156} + \dots + 13639002y - 776161)$
c_3	$(y^{41} - 9y^{40} + \dots + 15y - 1)$ $\cdot (y^{157} - 4y^{156} + \dots - 64518507y - 5650129)$
c_4, c_9	$(y^{41} - 39y^{40} + \dots + 14y - 1)$ $\cdot (y^{157} - 126y^{156} + \dots + 601275991429812y - 25269995063329)$
c_5	$(y^{41} + 9y^{40} + \dots + 14098y - 441)$ $\cdot (y^{157} - 18y^{156} + \dots + 2705906604634768y - 42170958002889)$
c_7, c_{10}	$81(9y^{41} - 112y^{40} + \dots - 245y - 1)$ $\cdot (9y^{157} + 761y^{156} + \dots + 960988298873y - 103624116649)$
c_8, c_{12}	$(y^{41} - 18y^{40} + \dots + 261y - 1)$ $\cdot (y^{157} - 97y^{156} + \dots - 7583991957y - 1254363889)$
c_{11}	$81(9y^{41} - 298y^{40} + \dots + 23y - 1)$ $\cdot (9y^{157} + 359y^{156} + \dots + 15406796408681y - 454077865609)$