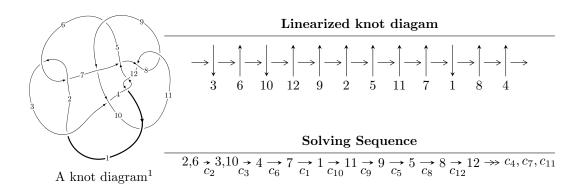
$12a_{0459} (K12a_{0459})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 7.16000 \times 10^{408} u^{158} + 2.81310 \times 10^{409} u^{157} + \dots + 2.75929 \times 10^{409} b + 1.24491 \times 10^{411}, \\ &- 4.54199 \times 10^{410} u^{158} - 9.85253 \times 10^{410} u^{157} + \dots + 1.68317 \times 10^{411} a + 9.52712 \times 10^{412}, \\ &u^{159} + 3 u^{158} + \dots + 254 u + 61 \rangle \\ I_2^u &= \langle 1.89088 \times 10^{16} u^{37} + 3.81587 \times 10^{16} u^{36} + \dots + 7.24163 \times 10^{15} b + 3.77832 \times 10^{16}, \\ &1.80953 \times 10^{15} u^{37} + 7.77114 \times 10^{16} u^{36} + \dots + 2.17249 \times 10^{16} a + 4.07624 \times 10^{17}, \ u^{38} + 2 u^{37} + \dots + 7 u + 3 u^{38} + 2 u^{38} + 2 u^{38} + \dots + 2 u + 3 u^{38} + 2 u^{38} + \dots + 2 u^{38} + 2 u^{38} + \dots + 2 u^{38} + 2 u^{38} + \dots + 2 u^{38} + \dots + 2 u^{38} + 2 u^{38} + \dots + 2 u^{38} + 2 u^{38} + \dots + 2 u^{$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 197 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.
$$I_1^u = \langle 7.16 \times 10^{408} u^{158} + 2.81 \times 10^{409} u^{157} + \dots + 2.76 \times 10^{409} b + 1.24 \times 10^{411}, \ -4.54 \times 10^{410} u^{158} - 9.85 \times 10^{410} u^{157} + \dots + 1.68 \times 10^{411} a + 9.53 \times 10^{412}, \ u^{159} + 3 u^{158} + \dots + 254 u + 61 \rangle$$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.269847u^{158} + 0.585356u^{157} + \cdots - 120.184u - 56.6022 \\ -0.259486u^{158} - 1.01950u^{157} + \cdots - 145.106u - 45.1168 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.65210u^{158} - 10.5481u^{157} + \cdots - 1632.96u - 475.800 \\ -1.25361u^{158} - 8.81070u^{157} + \cdots - 1243.70u - 384.679 \end{pmatrix}$$

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

$$a_{11} = \begin{pmatrix} u^{2} + 1 \\ -u^{4} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.673257u^{158} - 2.06957u^{157} + \cdots - 302.818u - 99.0191 \\ -1.38391u^{158} - 3.80070u^{157} + \cdots - 335.208u - 87.9624 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -0.210299u^{158} - 0.627259u^{157} + \cdots - 156.754u - 57.6302 \\ -0.739633u^{158} - 2.23211u^{157} + \cdots - 181.676u - 46.1448 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.251684u^{158} - 5.77397u^{157} + \cdots - 1017.29u - 340.328 \\ -1.18463u^{158} - 7.36524u^{157} + \cdots - 1060.12u - 335.916 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 2.71551u^{158} + 6.99494u^{157} + \cdots + 531.066u + 141.743 \\ 1.99218u^{158} + 5.00541u^{157} + \cdots + 382.406u + 87.0731 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 3.02859u^{158} + 7.14838u^{157} + \cdots + 521.124u + 129.485 \\ 4.07615u^{158} + 10.0795u^{157} + \cdots + 726.211u + 149.463 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $2.54355u^{158} + 4.06187u^{157} + \dots 159.678u 151.190$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{159} + 63u^{158} + \dots - 160940u - 3721$
c_2, c_6	$u^{159} - 3u^{158} + \dots + 254u - 61$
c_3	$u^{159} + 2u^{158} + \dots - 6385u - 131$
c_4, c_{12}	$u^{159} + 6u^{158} + \dots + 329355u - 46602$
c_5	$u^{159} - 3u^{158} + \dots - 31151u - 5272$
c_7	$u^{159} + 13u^{158} + \dots - 2559717451u - 258897949$
c_8, c_{11}	$u^{159} - 12u^{158} + \dots + 5916498u - 656059$
<i>c</i> ₉	$u^{159} + 17u^{158} + \dots - 44446u - 5041$
c_{10}	$u^{159} - 16u^{158} + \dots + 1503u - 71$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{159} + 63y^{158} + \dots + 1061374132y - 13845841$
c_2, c_6	$y^{159} + 63y^{158} + \dots - 160940y - 3721$
c_3	$y^{159} - 8y^{158} + \dots + 9604635y - 17161$
c_4, c_{12}	$y^{159} + 126y^{158} + \dots + 236167644573y - 2171746404$
<i>C</i> ₅	$y^{159} - 15y^{158} + \dots - 346128495y - 27793984$
	$y^{159} + 59y^{158} + \dots - 1286314653118589129y - 67028147996406601$
c_8, c_{11}	$y^{159} + 102y^{158} + \dots - 6052537066114y - 430413411481$
<i>c</i> ₉	$y^{159} - 9y^{158} + \dots + 268040052y - 25411681$
c_{10}	$y^{159} - 18y^{158} + \dots - 151015y - 5041$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.891606 + 0.451374I		
a = -0.399037 - 0.880877I	-0.10649 - 4.58909I	0
b = -1.387810 + 0.079849I		
u = 0.891606 - 0.451374I		
a = -0.399037 + 0.880877I	-0.10649 + 4.58909I	0
b = -1.387810 - 0.079849I		
u = 0.399869 + 0.927877I		
a = 0.42775 - 2.20856I	-7.49146 + 2.95901I	0
b = -0.74809 - 2.12471I		
u = 0.399869 - 0.927877I		
a = 0.42775 + 2.20856I	-7.49146 - 2.95901I	0
b = -0.74809 + 2.12471I		
u = -0.571758 + 0.834215I		
a = 1.41778 - 0.73759I	1.88865 - 1.06916I	0
b = 2.28792 - 0.39889I		
u = -0.571758 - 0.834215I		
a = 1.41778 + 0.73759I	1.88865 + 1.06916I	0
b = 2.28792 + 0.39889I		
u = 0.683602 + 0.708957I		
a = 1.32111 - 0.58053I	-0.236758 - 1.021390I	0
b = 1.167530 - 0.538071I		
u = 0.683602 - 0.708957I		
a = 1.32111 + 0.58053I	-0.236758 + 1.021390I	0
b = 1.167530 + 0.538071I		
u = 0.613617 + 0.809529I		
a = -1.24201 - 1.46224I	3.28186 + 0.91601I	0
b = -1.43474 + 0.13516I		
u = 0.613617 - 0.809529I		
a = -1.24201 + 1.46224I	3.28186 - 0.91601I	0
b = -1.43474 - 0.13516I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.831614 + 0.498398I		
a = 0.582103 + 0.698196I	0.93629 - 3.11773I	0
b = 1.213780 + 0.049993I		
u = 0.831614 - 0.498398I		
a = 0.582103 - 0.698196I	0.93629 + 3.11773I	0
b = 1.213780 - 0.049993I		
u = -0.603720 + 0.758440I		
a = -0.18923 + 1.77717I	-4.09868 + 4.78610I	0
b = -2.36106 + 1.11082I		
u = -0.603720 - 0.758440I		
a = -0.18923 - 1.77717I	-4.09868 - 4.78610I	0
b = -2.36106 - 1.11082I		
u = -0.815510 + 0.510356I		
a = -0.055289 - 1.063800I	0.470123 - 0.643923I	0
b = 0.429918 - 0.267518I		
u = -0.815510 - 0.510356I		
a = -0.055289 + 1.063800I	0.470123 + 0.643923I	0
b = 0.429918 + 0.267518I		
u = -0.868748 + 0.576297I		
a = 1.27606 - 0.87395I	-0.53884 + 7.54590I	0
b = 1.54440 + 0.59450I		
u = -0.868748 - 0.576297I		
a = 1.27606 + 0.87395I	-0.53884 - 7.54590I	0
b = 1.54440 - 0.59450I		
u = -0.575233 + 0.869697I		
a = 0.94013 - 2.21673I	1.77261 - 3.50082I	0
b = 1.24916 - 1.17661I		
u = -0.575233 - 0.869697I		
a = 0.94013 + 2.21673I	1.77261 + 3.50082I	0
b = 1.24916 + 1.17661I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.627251 + 0.721492I		
a = 1.08372 + 2.32675I	-3.45995 - 5.36968I	0
b = 1.27777 + 1.06708I		
u = 0.627251 - 0.721492I		
a = 1.08372 - 2.32675I	-3.45995 + 5.36968I	0
b = 1.27777 - 1.06708I		
u = 0.872842 + 0.574512I		
a = -0.880043 - 0.920042I	3.92115 - 3.61044I	0
b = -1.231380 + 0.332606I		
u = 0.872842 - 0.574512I		
a = -0.880043 + 0.920042I	3.92115 + 3.61044I	0
b = -1.231380 - 0.332606I		
u = -0.609586 + 0.849892I		
a = 1.44685 - 2.54477I	0.77339 - 2.40140I	0
b = 3.05712 - 0.70431I		
u = -0.609586 - 0.849892I		
a = 1.44685 + 2.54477I	0.77339 + 2.40140I	0
b = 3.05712 + 0.70431I		
u = -0.588733 + 0.750638I		
a = -0.904183 + 0.740341I	1.21651 - 1.58917I	0
b = -1.241650 + 0.556024I		
u = -0.588733 - 0.750638I		
a = -0.904183 - 0.740341I	1.21651 + 1.58917I	0
b = -1.241650 - 0.556024I		
u = -0.553031 + 0.767881I		
a = -0.57305 + 1.84886I	-0.551910 + 1.122070I	0
b = -0.208333 + 0.772614I		
u = -0.553031 - 0.767881I		
a = -0.57305 - 1.84886I	-0.551910 - 1.122070I	0
b = -0.208333 - 0.772614I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.497138 + 0.802103I		
a = 0.940684 + 0.349089I	-6.40496 + 2.25710I	0
b = -0.642794 - 0.744683I		
u = 0.497138 - 0.802103I		
a = 0.940684 - 0.349089I	-6.40496 - 2.25710I	0
b = -0.642794 + 0.744683I		
u = 0.522717 + 0.918136I		
a = -0.861764 - 0.279437I	-6.81443 + 1.89238I	0
b = 0.501977 + 0.832439I		
u = 0.522717 - 0.918136I		
a = -0.861764 + 0.279437I	-6.81443 - 1.89238I	0
b = 0.501977 - 0.832439I		
u = 0.632740 + 0.847116I		
a = -1.83466 - 2.13359I	1.39791 + 2.47477I	0
b = -2.60512 - 1.20654I		
u = 0.632740 - 0.847116I		
a = -1.83466 + 2.13359I	1.39791 - 2.47477I	0
b = -2.60512 + 1.20654I		
u = 0.607609 + 0.711221I		
a = -0.035942 + 0.740569I	1.44425 - 1.69401I	0
b = 1.23958 + 0.90009I		
u = 0.607609 - 0.711221I		
a = -0.035942 - 0.740569I	1.44425 + 1.69401I	0
b = 1.23958 - 0.90009I		
u = 0.615466 + 0.873663I		
a = -0.30344 - 1.40309I	3.08306 + 3.92462I	0
b = -1.81053 - 1.19041I		
u = 0.615466 - 0.873663I		
a = -0.30344 + 1.40309I	3.08306 - 3.92462I	0
b = -1.81053 + 1.19041I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.934127 + 0.528231I		
a = -1.051730 + 0.882977I	-4.5491 + 14.0442I	0
b = -1.41419 - 0.55637I		
u = -0.934127 - 0.528231I		
a = -1.051730 - 0.882977I	-4.5491 - 14.0442I	0
b = -1.41419 + 0.55637I		
u = -0.884763 + 0.265927I		
a = -0.065974 + 0.990621I	0.067585 - 0.143772I	0
b = -0.277394 + 0.133064I		
u = -0.884763 - 0.265927I		
a = -0.065974 - 0.990621I	0.067585 + 0.143772I	0
b = -0.277394 - 0.133064I		
u = 0.949654 + 0.508942I		
a = 0.786316 + 0.857484I	1.42546 - 7.94644I	0
b = 1.068240 - 0.317335I		
u = 0.949654 - 0.508942I		
a = 0.786316 - 0.857484I	1.42546 + 7.94644I	0
b = 1.068240 + 0.317335I		
u = -0.566757 + 0.921324I		
a = -1.008770 - 0.000430I	-1.05014 - 5.62239I	0
b = -1.94280 + 0.18822I		
u = -0.566757 - 0.921324I		
a = -1.008770 + 0.000430I	-1.05014 + 5.62239I	0
b = -1.94280 - 0.18822I		
u = -0.071453 + 1.082090I		
a = -0.528626 + 0.466190I	-11.43230 + 0.10008I	0
b = 0.701369 - 0.226657I		
u = -0.071453 - 1.082090I		
a = -0.528626 - 0.466190I	-11.43230 - 0.10008I	0
b = 0.701369 + 0.226657I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.343598 + 0.842945I		
a = 0.80711 - 1.83541I	-2.48699 + 1.18392I	0
b = 1.18296 - 1.98287I		
u = -0.343598 - 0.842945I		
a = 0.80711 + 1.83541I	-2.48699 - 1.18392I	0
b = 1.18296 + 1.98287I		
u = -0.595995 + 0.919577I		
a = -1.83619 + 1.92879I	-4.60052 - 9.53462I	0
b = -2.25512 - 0.32712I		
u = -0.595995 - 0.919577I		
a = -1.83619 - 1.92879I	-4.60052 + 9.53462I	0
b = -2.25512 + 0.32712I		
u = -0.645641 + 0.628785I		
a = 1.010270 - 0.702753I	-0.954940 + 0.088450I	0
b = 0.754803 + 1.111730I		
u = -0.645641 - 0.628785I		
a = 1.010270 + 0.702753I	-0.954940 - 0.088450I	0
b = 0.754803 - 1.111730I		
u = -0.062257 + 1.101880I		
a = 0.774289 + 0.733403I	-5.90968 - 1.00227I	0
b = -0.219207 + 0.885741I		
u = -0.062257 - 1.101880I		
a = 0.774289 - 0.733403I	-5.90968 + 1.00227I	0
b = -0.219207 - 0.885741I		
u = -0.628272 + 0.908716I		
a = -0.42968 + 1.46683I	0.71583 - 3.24571I	0
b = -0.880148 + 1.051340I		
u = -0.628272 - 0.908716I		
a = -0.42968 - 1.46683I	0.71583 + 3.24571I	0
b = -0.880148 - 1.051340I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.839307 + 0.294161I		
a = 0.730632 - 0.193247I	-1.96454 + 3.63147I	0
b = 0.145461 - 0.690363I		
u = 0.839307 - 0.294161I		
a = 0.730632 + 0.193247I	-1.96454 - 3.63147I	0
b = 0.145461 + 0.690363I		
u = 0.749765 + 0.825354I		
a = -0.698807 + 1.067630I	-5.61660 + 0.32133I	0
b = 0.31282 + 1.42365I		
u = 0.749765 - 0.825354I		
a = -0.698807 - 1.067630I	-5.61660 - 0.32133I	0
b = 0.31282 - 1.42365I		
u = -0.902924 + 0.660808I		
a = -0.474272 + 0.497644I	2.26957 - 2.33577I	0
b = -0.933594 - 0.010397I		
u = -0.902924 - 0.660808I		
a = -0.474272 - 0.497644I	2.26957 + 2.33577I	0
b = -0.933594 + 0.010397I		
u = 0.614092 + 0.936059I		
a = 1.09199 + 1.04492I	0.77023 + 6.53892I	0
b = 0.986717 - 0.242566I		
u = 0.614092 - 0.936059I		
a = 1.09199 - 1.04492I	0.77023 - 6.53892I	0
b = 0.986717 + 0.242566I		
u = 0.614061 + 0.939601I		
a = 1.69890 + 1.00476I	-4.12502 + 10.25450I	0
b = 2.67904 + 0.70566I		
u = 0.614061 - 0.939601I		
a = 1.69890 - 1.00476I	-4.12502 - 10.25450I	0
b = 2.67904 - 0.70566I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.041450 + 0.419189I		
a = -0.497265 + 0.333522I	-5.14019 + 8.67296I	0
b = 0.108138 + 0.587378I		
u = 1.041450 - 0.419189I		
a = -0.497265 - 0.333522I	-5.14019 - 8.67296I	0
b = 0.108138 - 0.587378I		
u = -0.082693 + 1.123310I		
a = -0.315749 + 0.112904I	-2.69089 - 2.42476I	0
b = 0.513951 + 0.319444I		
u = -0.082693 - 1.123310I		
a = -0.315749 - 0.112904I	-2.69089 + 2.42476I	0
b = 0.513951 - 0.319444I		
u = -0.997319 + 0.525387I		
a = 0.332017 - 0.391180I	2.63643 + 1.45962I	0
b = 0.720221 + 0.183185I		
u = -0.997319 - 0.525387I		
a = 0.332017 + 0.391180I	2.63643 - 1.45962I	0
b = 0.720221 - 0.183185I		
u = 0.203757 + 1.109290I		
a = 0.698695 + 0.024459I	-6.10046 - 0.54998I	0
b = -0.118743 - 0.669347I		
u = 0.203757 - 1.109290I		
a = 0.698695 - 0.024459I	-6.10046 + 0.54998I	0
b = -0.118743 + 0.669347I		
u = -0.692665 + 0.521554I		
a = -1.48146 + 1.30966I	-6.48598 + 1.52980I	0
b = -1.67966 - 0.21318I		
u = -0.692665 - 0.521554I		
a = -1.48146 - 1.30966I	-6.48598 - 1.52980I	0
b = -1.67966 + 0.21318I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.672646 + 0.935903I		
a = -0.34462 + 1.54924I	-0.89825 + 6.26091I	0
b = -0.131100 + 1.395650I		
u = 0.672646 - 0.935903I		
a = -0.34462 - 1.54924I	-0.89825 - 6.26091I	0
b = -0.131100 - 1.395650I		
u = -0.507923 + 1.036030I		
a = -0.43365 + 2.07432I	-7.83347 - 9.11034I	0
b = -2.14224 + 1.26606I		
u = -0.507923 - 1.036030I		
a = -0.43365 - 2.07432I	-7.83347 + 9.11034I	0
b = -2.14224 - 1.26606I		
u = 0.084320 + 1.162100I		
a = 0.588540 - 0.162711I	-7.16691 + 6.22962I	0
b = -0.521174 + 0.170155I		
u = 0.084320 - 1.162100I		
a = 0.588540 + 0.162711I	-7.16691 - 6.22962I	0
b = -0.521174 - 0.170155I		
u = -0.335652 + 0.764370I		
a = -1.33194 + 2.73398I	-6.44396 + 5.52006I	0
b = -1.85917 + 0.24047I		
u = -0.335652 - 0.764370I		
a = -1.33194 - 2.73398I	-6.44396 - 5.52006I	0
b = -1.85917 - 0.24047I		
u = 0.505247 + 1.053240I		
a = -0.084250 + 1.129650I	-4.46368 + 1.07446I	0
b = 0.505172 + 1.124770I		
u = 0.505247 - 1.053240I		
a = -0.084250 - 1.129650I	-4.46368 - 1.07446I	0
b = 0.505172 - 1.124770I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.214743 + 1.149270I		
a = 0.128211 - 0.777716I	-10.79030 - 3.03275I	0
b = 1.037460 - 0.532001I		
u = 0.214743 - 1.149270I		
a = 0.128211 + 0.777716I	-10.79030 + 3.03275I	0
b = 1.037460 + 0.532001I		
u = -0.329478 + 1.125570I		
a = -1.41147 - 0.19219I	-8.97038 + 2.08423I	0
b = -0.564611 - 1.189060I		
u = -0.329478 - 1.125570I		
a = -1.41147 + 0.19219I	-8.97038 - 2.08423I	0
b = -0.564611 + 1.189060I		
u = 0.573234 + 1.034610I		
a = 0.66515 + 1.81424I	-3.73577 + 7.30425I	0
b = 2.00514 + 1.32017I		
u = 0.573234 - 1.034610I		
a = 0.66515 - 1.81424I	-3.73577 - 7.30425I	0
b = 2.00514 - 1.32017I		
u = -0.626228 + 1.010830I		
a = 0.585336 - 0.050441I	-1.08115 - 4.55575I	0
b = 1.185370 + 0.011923I		
u = -0.626228 - 1.010830I		
a = 0.585336 + 0.050441I	-1.08115 + 4.55575I	0
b = 1.185370 - 0.011923I		
u = 0.553152 + 1.052900I		
a = -0.78032 - 1.85728I	-8.64744 + 10.19800I	0
b = -1.28934 - 1.88716I		
u = 0.553152 - 1.052900I		
a = -0.78032 + 1.85728I	-8.64744 - 10.19800I	0
b = -1.28934 + 1.88716I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.670451 + 0.984890I		
a = -0.489466 - 1.085880I	-1.96691 - 5.24950I	0
b = 0.92873 - 1.45141I		
u = -0.670451 - 0.984890I		
a = -0.489466 + 1.085880I	-1.96691 + 5.24950I	0
b = 0.92873 + 1.45141I		
u = -0.457777 + 1.104550I		
a = 0.929703 - 0.845257I	-3.73394 - 3.95029I	0
b = 1.31324 - 0.91960I		
u = -0.457777 - 1.104550I		
a = 0.929703 + 0.845257I	-3.73394 + 3.95029I	0
b = 1.31324 + 0.91960I		
u = -0.388814 + 0.700087I		
a = -0.23567 - 1.72227I	0.453064 + 0.029676I	0
b = -0.116076 - 0.547040I		
u = -0.388814 - 0.700087I		
a = -0.23567 + 1.72227I	0.453064 - 0.029676I	0
b = -0.116076 + 0.547040I		
u = -0.623240 + 1.038110I		
a = -0.73855 + 2.19114I	-7.97107 - 6.62345I	0
b = -2.03884 + 1.84794I		
u = -0.623240 - 1.038110I		
a = -0.73855 - 2.19114I	-7.97107 + 6.62345I	0
b = -2.03884 - 1.84794I		
u = 0.114628 + 1.238640I		
a = -0.772355 - 0.165121I	-6.04736 - 1.91666I	0
b = -0.463441 + 0.435036I		
u = 0.114628 - 1.238640I		
a = -0.772355 + 0.165121I	-6.04736 + 1.91666I	0
b = -0.463441 - 0.435036I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.708136 + 1.032670I		
a = -0.388373 + 1.181580I	1.09638 - 3.58717I	0
b = -1.082470 + 0.876189I		
u = -0.708136 - 1.032670I		
a = -0.388373 - 1.181580I	1.09638 + 3.58717I	0
b = -1.082470 - 0.876189I		
u = 0.219256 + 0.706031I		
a = -1.73960 - 0.66953I	-6.65955 - 6.15096I	0
b = -1.51753 - 1.35320I		
u = 0.219256 - 0.706031I		
a = -1.73960 + 0.66953I	-6.65955 + 6.15096I	0
b = -1.51753 + 1.35320I		
u = 0.777772 + 0.994883I		
a = 0.796367 - 0.675047I	-6.09025 + 5.57926I	0
b = 0.218636 - 1.334040I		
u = 0.777772 - 0.994883I		
a = 0.796367 + 0.675047I	-6.09025 - 5.57926I	0
b = 0.218636 + 1.334040I		
u = -1.247940 + 0.246837I		
a = 0.042339 - 0.161157I	1.02894 - 1.15088I	0
b = 0.075085 + 0.245060I		
u = -1.247940 - 0.246837I		
a = 0.042339 + 0.161157I	1.02894 + 1.15088I	0
b = 0.075085 - 0.245060I		
u = 0.076094 + 1.271130I		
a = 0.560911 + 0.294765I	-4.97447 - 0.78694I	0
b = 0.122577 + 0.139020I		
u = 0.076094 - 1.271130I		
a = 0.560911 - 0.294765I	-4.97447 + 0.78694I	0
b = 0.122577 - 0.139020I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.066043 + 1.273770I		
a = -0.451108 + 0.114589I	-11.5403 + 11.8535I	0
b = 0.453927 - 0.297525I		
u = 0.066043 - 1.273770I		
a = -0.451108 - 0.114589I	-11.5403 - 11.8535I	0
b = 0.453927 + 0.297525I		
u = 0.662213 + 1.093830I		
a = 0.65581 + 1.44233I	-0.84101 + 8.70296I	0
b = 1.41474 + 0.96411I		
u = 0.662213 - 1.093830I		
a = 0.65581 - 1.44233I	-0.84101 - 8.70296I	0
b = 1.41474 - 0.96411I		
u = 0.693099 + 1.078350I		
a = -0.51511 - 1.54099I	2.37709 + 9.41632I	0
b = -1.71907 - 1.32929I		
u = 0.693099 - 1.078350I		
a = -0.51511 + 1.54099I	2.37709 - 9.41632I	0
b = -1.71907 + 1.32929I		
u = -0.695608 + 1.077510I		
a = 0.44958 - 1.96324I	-2.06941 - 13.35370I	0
b = 1.82591 - 1.76850I		
u = -0.695608 - 1.077510I		
a = 0.44958 + 1.96324I	-2.06941 + 13.35370I	0
b = 1.82591 + 1.76850I		
u = 0.660840 + 1.135020I		
a = -0.79320 - 1.45488I	-2.17517 + 10.31870I	0
b = -1.78706 - 0.78397I		
u = 0.660840 - 1.135020I		
a = -0.79320 + 1.45488I	-2.17517 - 10.31870I	0
b = -1.78706 + 0.78397I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.699736 + 1.120050I		
a = -0.52746 + 1.79089I	-6.3731 - 20.0336I	0
b = -1.86336 + 1.59857I		
u = -0.699736 - 1.120050I		
a = -0.52746 - 1.79089I	-6.3731 + 20.0336I	0
b = -1.86336 - 1.59857I		
u = -0.082018 + 1.320590I		
a = 0.0961673 + 0.0711012I	-5.70638 - 5.46309I	0
b = -0.621161 - 0.145846I		
u = -0.082018 - 1.320590I		
a = 0.0961673 - 0.0711012I	-5.70638 + 5.46309I	0
b = -0.621161 + 0.145846I		
u = 0.698089 + 1.129470I		
a = 0.56404 + 1.41401I	-0.48522 + 13.96210I	0
b = 1.67719 + 1.30711I		
u = 0.698089 - 1.129470I		
a = 0.56404 - 1.41401I	-0.48522 - 13.96210I	0
b = 1.67719 - 1.30711I		
u = -0.716426 + 1.132810I		
a = 0.320924 - 1.047460I	0.74553 - 7.64812I	0
b = 1.090520 - 0.822092I		
u = -0.716426 - 1.132810I		
a = 0.320924 + 1.047460I	0.74553 + 7.64812I	0
b = 1.090520 + 0.822092I		
u = -0.737999 + 1.123130I		
a = 0.099504 - 0.680268I	-1.62771 - 5.11952I	0
b = 1.002420 - 0.822822I		
u = -0.737999 - 1.123130I		
a = 0.099504 + 0.680268I	-1.62771 + 5.11952I	0
b = 1.002420 + 0.822822I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.498926 + 0.404048I		
a = 0.57619 + 1.82941I	-2.11405 - 2.75941I	3.06383 + 4.92986I
b = 1.200400 - 0.049494I		
u = 0.498926 - 0.404048I		
a = 0.57619 - 1.82941I	-2.11405 + 2.75941I	3.06383 - 4.92986I
b = 1.200400 + 0.049494I		
u = 0.353254 + 0.524132I		
a = -1.98450 + 0.75608I	-6.43990 + 0.21273I	2.10466 - 2.88222I
b = -0.65495 + 1.30072I		
u = 0.353254 - 0.524132I		
a = -1.98450 - 0.75608I	-6.43990 - 0.21273I	2.10466 + 2.88222I
b = -0.65495 - 1.30072I		
u = 0.579950 + 0.243442I		
a = -1.64163 - 1.20353I	-6.67361 - 5.76857I	1.19700 + 3.98730I
b = -0.869948 - 0.299649I		
u = 0.579950 - 0.243442I		
a = -1.64163 + 1.20353I	-6.67361 + 5.76857I	1.19700 - 3.98730I
b = -0.869948 + 0.299649I		
u = 0.574453 + 1.262280I		
a = 0.031831 - 0.594807I	-8.02830 - 2.54868I	0
b = -0.204980 - 0.761417I		
u = 0.574453 - 1.262280I		
a = 0.031831 + 0.594807I	-8.02830 + 2.54868I	0
b = -0.204980 + 0.761417I		
u = -0.673803 + 1.220830I		
a = -0.428510 + 0.652156I	-2.75965 - 5.66705I	0
b = -1.22811 + 0.78321I		
u = -0.673803 - 1.220830I		
a = -0.428510 - 0.652156I	-2.75965 + 5.66705I	0
b = -1.22811 - 0.78321I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.148298 + 0.538013I		
a = 1.18272 + 2.36230I	-2.03542 - 2.73997I	1.46092 + 6.56987I
b = 1.001110 + 0.458544I		
u = 0.148298 - 0.538013I		
a = 1.18272 - 2.36230I	-2.03542 + 2.73997I	1.46092 - 6.56987I
b = 1.001110 - 0.458544I		
u = -0.528592 + 0.033707I		
a = 1.07746 + 1.02503I	-5.67142 + 5.34232I	1.94062 - 3.00311I
b = -1.050220 - 0.728367I		
u = -0.528592 - 0.033707I		
a = 1.07746 - 1.02503I	-5.67142 - 5.34232I	1.94062 + 3.00311I
b = -1.050220 + 0.728367I		
u = -0.105801 + 0.462126I		
a = 1.21181 - 1.85711I	-1.237960 - 0.251521I	2.04267 - 1.76475I
b = 0.806452 + 0.797118I		
u = -0.105801 - 0.462126I		
a = 1.21181 + 1.85711I	-1.237960 + 0.251521I	2.04267 + 1.76475I
b = 0.806452 - 0.797118I		
u = -0.411659		
a = -1.64181	1.01780	9.02240
b = -0.0904021		
u = -0.098178 + 0.385659I		
a = -0.750766 + 0.834728I	0.53987 - 1.41440I	3.09127 + 6.46715I
b = 0.155455 + 0.915784I		
u = -0.098178 - 0.385659I		
a = -0.750766 - 0.834728I	0.53987 + 1.41440I	3.09127 - 6.46715I
b = 0.155455 - 0.915784I		

 $II. \\ I_2^u = \langle 1.89 \times 10^{16} u^{37} + 3.82 \times 10^{16} u^{36} + \dots + 7.24 \times 10^{15} b + 3.78 \times 10^{16}, \ 1.81 \times 10^{15} u^{37} + 7.77 \times 10^{16} u^{36} + \dots + 2.17 \times 10^{16} a + 4.08 \times 10^{17}, \ u^{38} + 2u^{37} + \dots + 7u + 3 \rangle$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.0832929u^{37} - 3.57707u^{36} + \dots - 35.1519u - 18.7630 \\ -2.61112u^{37} - 5.26936u^{36} + \dots - 13.8591u - 5.21751 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.46042u^{37} - 4.41875u^{36} + \dots - 30.7239u - 10.2685 \\ -1.24772u^{37} - 2.76294u^{36} + \dots - 20.5806u - 7.40635 \end{pmatrix}$$

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

$$a_{11} = \begin{pmatrix} u^{2} + 1 \\ -u^{4} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.898685u^{37} - 4.45538u^{36} + \dots - 28.6677u - 13.7937 \\ -5.67118u^{37} - 11.2912u^{36} + \dots - 25.4961u - 6.24631 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -1.15463u^{37} - 3.68950u^{36} + \dots - 19.1918u - 8.67288 \\ -3.68245u^{37} - 5.38179u^{36} + \dots + 2.10103u + 4.87260 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.224924u^{37} - 2.18109u^{36} + \dots - 19.6681u - 12.6508 \\ -0.852294u^{37} - 4.02176u^{36} + \dots - 18.1714u - 10.7044 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -0.448661u^{37} - 2.86350u^{36} + \dots - 18.1714u - 10.7044 \\ -2.39818u^{37} - 4.07696u^{36} + \dots - 13.3099u - 1.91194 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.259530u^{37} + 0.218585u^{36} + \dots + 2.96981u + 2.40111 \\ -0.998844u^{37} - 3.13413u^{36} + \dots - 3.69804u - 0.263339 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes

 $=\frac{46300284051209689}{7241625314466997}u^{37}+\frac{98055403875030441}{7241625314466997}u^{36}+\cdots-\frac{39251467631931458}{7241625314466997}u-\frac{44415212386419324}{7241625314466997}u^{36}+\cdots$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{38} - 16u^{37} + \dots - 89u + 9$
c_2	$u^{38} + 2u^{37} + \dots + 7u + 3$
c_3	$u^{38} - u^{37} + \dots + 2u + 1$
c_4	$u^{38} - u^{37} + \dots - 7u + 1$
c_5	$u^{38} - 2u^{37} + \dots + 3u + 5$
c_6	$u^{38} - 2u^{37} + \dots - 7u + 3$
c_7	$u^{38} + 4u^{37} + \dots - 6u + 1$
c_8	$u^{38} + 15u^{37} + \dots + 23u + 3$
c_9	$u^{38} - 4u^{37} + \dots - 5u + 1$
c_{10}	$u^{38} - 3u^{37} + \dots + 2u^2 + 1$
c_{11}	$u^{38} - 15u^{37} + \dots - 23u + 3$
c_{12}	$u^{38} + u^{37} + \dots + 7u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{38} + 8y^{37} + \dots + 89y + 81$
c_{2}, c_{6}	$y^{38} + 16y^{37} + \dots + 89y + 9$
c_3	$y^{38} + 9y^{37} + \dots + 26y + 1$
c_4,c_{12}	$y^{38} + 27y^{37} + \dots + 45y + 1$
c_5	$y^{38} - 6y^{37} + \dots - 89y + 25$
<i>c</i> ₇	$y^{38} + 14y^{36} + \dots + 62y + 1$
c_8,c_{11}	$y^{38} + 19y^{37} + \dots + 263y + 9$
<i>c</i> ₉	$y^{38} - 20y^{37} + \dots + 5y + 1$
c_{10}	$y^{38} - 13y^{37} + \dots + 4y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.892906 + 0.474049I		
a = -0.543881 - 0.754852I	1.51389 - 3.94078I	9.03028 + 5.34855I
b = -1.211700 + 0.139841I		
u = 0.892906 - 0.474049I		
a = -0.543881 + 0.754852I	1.51389 + 3.94078I	9.03028 - 5.34855I
b = -1.211700 - 0.139841I		
u = 0.594004 + 0.855655I		
a = -1.70673 - 2.46179I	0.29199 + 2.34920I	-3.64744 - 2.59669I
b = -3.00537 - 0.91058I		
u = 0.594004 - 0.855655I		
a = -1.70673 + 2.46179I	0.29199 - 2.34920I	-3.64744 + 2.59669I
b = -3.00537 + 0.91058I		
u = -0.119660 + 0.946619I		
a = 1.57419 + 1.05120I	-8.11737 + 0.14389I	-4.00888 + 0.23512I
b = 0.134517 + 1.228940I		
u = -0.119660 - 0.946619I		
a = 1.57419 - 1.05120I	-8.11737 - 0.14389I	-4.00888 - 0.23512I
b = 0.134517 - 1.228940I		
u = -0.624743 + 0.841573I		
a = 1.30803 - 1.81899I	2.57134 - 2.45339I	14.6281 + 3.3793I
b = 2.06260 - 1.00524I		
u = -0.624743 - 0.841573I		
a = 1.30803 + 1.81899I	2.57134 + 2.45339I	14.6281 - 3.3793I
b = 2.06260 + 1.00524I		
u = -0.152880 + 0.924198I		
a = -0.73458 - 1.22703I	-8.06363 - 1.33130I	-4.51062 + 0.49670I
b = 0.77812 - 1.45989I		
u = -0.152880 - 0.924198I		
a = -0.73458 + 1.22703I	-8.06363 + 1.33130I	-4.51062 - 0.49670I
b = 0.77812 + 1.45989I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.580802 + 0.693592I		
a = -0.725906 - 0.644062I	1.48155 + 0.28672I	10.92559 - 1.39869I
b = -0.844091 - 0.101811I		
u = -0.580802 - 0.693592I		
a = -0.725906 + 0.644062I	1.48155 - 0.28672I	10.92559 + 1.39869I
b = -0.844091 + 0.101811I		
u = 0.643598 + 0.624322I		
a = -0.259225 + 0.432239I	-4.98757 + 7.33702I	3.08491 - 6.50003I
b = 0.375454 - 0.477948I		
u = 0.643598 - 0.624322I		
a = -0.259225 - 0.432239I	-4.98757 - 7.33702I	3.08491 + 6.50003I
b = 0.375454 + 0.477948I		
u = 0.500653 + 0.724800I		
a = 1.39874 + 2.51032I	-5.37163 - 5.24450I	3.16629 + 2.91544I
b = 2.46978 + 0.90492I		
u = 0.500653 - 0.724800I		
a = 1.39874 - 2.51032I	-5.37163 + 5.24450I	3.16629 - 2.91544I
b = 2.46978 - 0.90492I		
u = 0.542387 + 0.988587I		
a = 1.52845 + 1.99838I	-6.28791 + 9.50561I	0.93292 - 9.18715I
b = 2.59015 + 0.89227I		
u = 0.542387 - 0.988587I		
a = 1.52845 - 1.99838I	-6.28791 - 9.50561I	0.93292 + 9.18715I
b = 2.59015 - 0.89227I		
u = -0.628677 + 0.944378I		
a = 0.198398 + 0.992384I	0.69924 - 5.16158I	8.52929 + 6.13893I
b = 0.361585 + 0.689020I		
u = -0.628677 - 0.944378I		
a = 0.198398 - 0.992384I	0.69924 + 5.16158I	8.52929 - 6.13893I
b = 0.361585 - 0.689020I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.297291 + 0.732873I		
a = -0.088129 - 0.980585I	-1.29463 + 1.05866I	0.63753 - 7.22194I
b = -0.196403 + 0.660965I		
u = 0.297291 - 0.732873I		
a = -0.088129 + 0.980585I	-1.29463 - 1.05866I	0.63753 + 7.22194I
b = -0.196403 - 0.660965I		
u = -0.348261 + 0.700215I		
a = -0.98924 + 2.42809I	-1.79345 + 1.77230I	3.95525 - 1.93058I
b = -0.89331 + 1.33268I		
u = -0.348261 - 0.700215I		
a = -0.98924 - 2.42809I	-1.79345 - 1.77230I	3.95525 + 1.93058I
b = -0.89331 - 1.33268I		
u = 0.377097 + 1.182640I		
a = 0.383258 + 0.289944I	-7.24176 - 2.91426I	0.78308 + 5.40592I
b = 0.199954 - 0.383260I		
u = 0.377097 - 1.182640I		
a = 0.383258 - 0.289944I	-7.24176 + 2.91426I	0.78308 - 5.40592I
b = 0.199954 + 0.383260I		
u = -0.530908 + 1.123200I		
a = -0.749838 + 0.752634I	-3.58531 - 5.37909I	-1.78970 + 6.74335I
b = -1.61677 + 0.68323I		
u = -0.530908 - 1.123200I		
a = -0.749838 - 0.752634I	-3.58531 + 5.37909I	-1.78970 - 6.74335I
b = -1.61677 - 0.68323I		
u = -1.218330 + 0.278173I		
a = 0.079762 - 0.277717I	1.11970 - 1.13806I	45.7821 - 6.0056I
b = 0.112906 + 0.134719I		
u = -1.218330 - 0.278173I		
a = 0.079762 + 0.277717I	1.11970 + 1.13806I	45.7821 + 6.0056I
b = 0.112906 - 0.134719I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.088229 + 1.297410I		
a = -0.622292 - 0.095446I	-4.69779 - 1.19929I	7.65236 + 7.47488I
b = -0.233029 + 0.274389I		
u = 0.088229 - 1.297410I		
a = -0.622292 + 0.095446I	-4.69779 + 1.19929I	7.65236 - 7.47488I
b = -0.233029 - 0.274389I		
u = 0.677260 + 1.123800I		
a = -0.59471 - 1.42221I	-0.44006 + 9.73419I	6.00000 - 9.56062I
b = -1.52209 - 0.99311I		
u = 0.677260 - 1.123800I		
a = -0.59471 + 1.42221I	-0.44006 - 9.73419I	6.00000 + 9.56062I
b = -1.52209 + 0.99311I		
u = -0.658609 + 0.095756I		
a = -0.798335 - 0.688297I	1.46725 - 0.92059I	11.98362 + 5.55999I
b = -0.003401 - 0.370089I		
u = -0.658609 - 0.095756I		
a = -0.798335 + 0.688297I	1.46725 + 0.92059I	11.98362 - 5.55999I
b = -0.003401 + 0.370089I		
u = -0.75055 + 1.20429I		
a = 0.175357 - 0.630231I	-1.67704 - 5.47366I	0. + 18.3178I
b = 0.941091 - 0.747378I		
u = -0.75055 - 1.20429I		
a = 0.175357 + 0.630231I	-1.67704 + 5.47366I	0 18.3178I
b = 0.941091 + 0.747378I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{38} - 16u^{37} + \dots - 89u + 9)(u^{159} + 63u^{158} + \dots - 160940u - 3721) $
c_2	$(u^{38} + 2u^{37} + \dots + 7u + 3)(u^{159} - 3u^{158} + \dots + 254u - 61)$
c_3	$(u^{38} - u^{37} + \dots + 2u + 1)(u^{159} + 2u^{158} + \dots - 6385u - 131)$
c_4	$ (u^{38} - u^{37} + \dots - 7u + 1)(u^{159} + 6u^{158} + \dots + 329355u - 46602) $
<i>C</i> 5	$(u^{38} - 2u^{37} + \dots + 3u + 5)(u^{159} - 3u^{158} + \dots - 31151u - 5272)$
<i>C</i> ₆	$(u^{38} - 2u^{37} + \dots - 7u + 3)(u^{159} - 3u^{158} + \dots + 254u - 61)$
C ₇	$(u^{38} + 4u^{37} + \dots - 6u + 1)$ $\cdot (u^{159} + 13u^{158} + \dots - 2559717451u - 258897949)$
c ₈	$(u^{38} + 15u^{37} + \dots + 23u + 3)$ $\cdot (u^{159} - 12u^{158} + \dots + 5916498u - 656059)$
<i>c</i> 9	$ (u^{38} - 4u^{37} + \dots - 5u + 1)(u^{159} + 17u^{158} + \dots - 44446u - 5041) $
c_{10}	$(u^{38} - 3u^{37} + \dots + 2u^2 + 1)(u^{159} - 16u^{158} + \dots + 1503u - 71)$
c_{11}	$(u^{38} - 15u^{37} + \dots - 23u + 3)$ $\cdot (u^{159} - 12u^{158} + \dots + 5916498u - 656059)$
c_{12}	$(u^{38} + u^{37} + \dots + 7u + 1)(u^{159} + 6u^{158} + \dots + 329355u - 46602)$ 30

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{38} + 8y^{37} + \dots + 89y + 81)$ $\cdot (y^{159} + 63y^{158} + \dots + 1061374132y - 13845841)$
c_2, c_6	$(y^{38} + 16y^{37} + \dots + 89y + 9)(y^{159} + 63y^{158} + \dots - 160940y - 3721)$
c_3	$(y^{38} + 9y^{37} + \dots + 26y + 1)(y^{159} - 8y^{158} + \dots + 9604635y - 17161)$
c_4, c_{12}	$(y^{38} + 27y^{37} + \dots + 45y + 1)$ $\cdot (y^{159} + 126y^{158} + \dots + 236167644573y - 2171746404)$
<i>C</i> 5	$(y^{38} - 6y^{37} + \dots - 89y + 25)$ $\cdot (y^{159} - 15y^{158} + \dots - 346128495y - 27793984)$
<i>c</i> ₇	$(y^{38} + 14y^{36} + \dots + 62y + 1)$ $\cdot (y^{159} + 59y^{158} + \dots - 1286314653118589129y - 67028147996406601)$
c_{8}, c_{11}	$(y^{38} + 19y^{37} + \dots + 263y + 9)$ $\cdot (y^{159} + 102y^{158} + \dots - 6052537066114y - 430413411481)$
<i>c</i> 9	$(y^{38} - 20y^{37} + \dots + 5y + 1)$ $\cdot (y^{159} - 9y^{158} + \dots + 268040052y - 25411681)$
c_{10}	$(y^{38} - 13y^{37} + \dots + 4y + 1)(y^{159} - 18y^{158} + \dots - 151015y - 5041)$