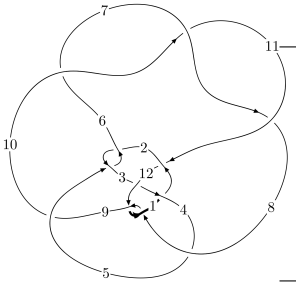
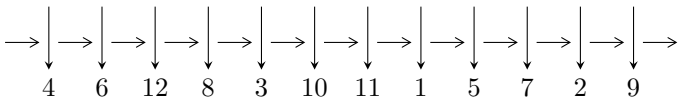
$12a_{0995}$ $(K12a_{0995})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$\underset{c_6}{6,10} \to \underset{c_{10}}{7} \to \underset{c_7}{11} \to \underset{c_2}{3,8} \to \underset{c_{11}}{2} \to \underset{c_5}{12} \to \underset{c_4}{5} \to \underset{c_1}{4} \to \underset{c_9}{1} \to 9 \twoheadrightarrow c_3, c_8, c_{12}$$

Ideals for irreducible components[2]of $X_{\mathbf{par}}$

$$\begin{aligned} I_1^u = \langle & -3.35632 \times 10^{467} u^{150} - 8.69041 \times 10^{467} u^{149} + \cdots + 6.73414 \times 10^{467} b + 6.93806 \times 10^{467}, \\ & 2.65827 \times 10^{466} u^{150} + 7.46190 \times 10^{466} u^{149} + \cdots + 3.54428 \times 10^{466} a - 1.15630 \times 10^{467}, \\ & u^{151} + 4u^{150} + \cdots + 26u + 1 \rangle \\ I_2^u = \langle & -14417596468648 u^{37} - 25796321181488 u^{36} + \cdots + 382195085957 b + 10825424312466, \\ & 14395899214974 u^{37} + 25420670905160 u^{36} + \cdots + 382195085957 a - 10347718637805, \\ & u^{38} + 3u^{37} + \cdots - u - 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 189 representations.

[1]The 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. $\boldsymbol{I_1^u = \langle -3.36 \times 10^{467} u^{150} - 8.69 \times 10^{467} u^{149} + \cdots + 6.73 \times 10^{467} b + 6.94 \times 10^{467},\ 2.66 \times 10^{466} u^{150} + 7.46 \times 10^{466} u^{149} + \cdots + 3.54 \times 10^{466} a - 1.16 \times 10^{467},\ u^{151} + 4u^{150} + \cdots + 26u + 1 \rangle}$

(i) Arc colorings

$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.750016u^{150} - 2.10533u^{149} + \cdots - 84.6390u + 3.26243 \\ 0.498403u^{150} + 1.29050u^{149} + \cdots + 4.04650u - 1.03028 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -u^2 + 1 \\ -u^4 + 2u^2 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.251613u^{150} - 0.814833u^{149} + \cdots - 80.5925u + 2.23215 \\ 0.498403u^{150} + 1.29050u^{149} + \cdots + 4.04650u - 1.03028 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -1.81156u^{150} - 5.12541u^{149} + \cdots - 73.5438u - 3.48296 \\ 0.701601u^{150} + 1.98724u^{149} + \cdots + 17.9096u + 0.546640 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0.762762u^{150} + 2.12787u^{149} + \cdots - 20.7718u + 8.68380 \\ 0.119785u^{150} + 0.277047u^{149} + \cdots - 14.1821u - 1.93078 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 1.16708u^{150} + 3.11306u^{149} + \cdots - 25.2460u + 7.13811 \\ -0.105342u^{150} - 0.345664u^{149} + \cdots - 17.9438u - 2.08478 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -0.917232u^{150} - 2.79859u^{149} + \cdots - 107.834u - 9.34102 \\ 0.486123u^{150} + 1.36162u^{149} + \cdots + 30.0144u + 1.47747 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1.34444u^{150} + 4.03153u^{149} + \cdots + 142.105u + 3.18649 \\ -0.505240u^{150} - 1.32977u^{149} + \cdots - 21.2376u - 0.205060 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -1.07674u^{150} - 1.80766u^{149} + \cdots + 217.448u - 18.3877$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{151} - 9u^{150} + \cdots - 6836u + 1689$
c_2, c_5	$u^{151} + 9u^{150} + \cdots - 1990u + 1825$
c_3	$u^{151} + 3u^{150} + \cdots + 1987u + 97$
c_4	$u^{151} + 6u^{150} + \cdots - 130250u + 29375$
c_6, c_7, c_{10}	$u^{151} + 4u^{150} + \cdots + 26u + 1$
c_8, c_{12}	$u^{151} + 46u^{149} + \cdots + 886u + 149$
c_9	$u^{151} - 2u^{150} + \cdots - 4383642u + 726827$
c_{11}	$u^{151} - 15u^{150} + \cdots - 31153u + 6533$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{151} + 21y^{150} + \cdots - 147730430y - 2852721$
c_2, c_5	$y^{151} + 79y^{150} + \cdots - 91731950y - 3330625$
c_3	$y^{151} + 33y^{150} + \cdots + 3420489y - 9409$
c_4	$y^{151} + 8y^{150} + \cdots - 145840000000y - 862890625$
c_6, c_7, c_{10}	$y^{151} - 146y^{150} + \cdots + 122y - 1$
c_8, c_{12}	$y^{151} + 92y^{150} + \cdots - 812880y - 22201$
c_9	$y^{151} + 2y^{150} + \cdots + 63007761680138y - 528277487929$
c_{11}	$y^{151} - 15y^{150} + \cdots - 3528388777y - 42680089$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.395913+0.922675I$ $a=\ 0.30920+1.74932I$ $b=\ 0.539768-1.161120I$	$1.82224+8.97850I$	0
$u=-0.395913-0.922675I$ $a=\ 0.30920-1.74932I$ $b=\ 0.539768+1.161120I$	$1.82224-8.97850I$	0
$u=\ 0.432562+0.907676I$ $a=\ 0.58466-1.72016I$ $b=\ 0.329417+1.132480I$	$7.43003-3.11821I$	0
$u=\ 0.432562-0.907676I$ $a=\ 0.58466+1.72016I$ $b=\ 0.329417-1.132480I$	$7.43003+3.11821I$	0
$u=\ 0.398506+0.910380I$ $a=\ 0.25475-1.88780I$ $b=\ 0.581934+1.258300I$	$5.7689-15.1043I$	0
$u=\ 0.398506-0.910380I$ $a=\ 0.25475+1.88780I$ $b=\ 0.581934-1.258300I$	$5.7689+15.1043I$	0
$u=\ 1.051460+0.031799I$ $a=\ 0.572699+0.846716I$ $b=-0.220280-1.212270I$	$1.50497-3.62679I$	0
$u=\ 1.051460-0.031799I$ $a=\ 0.572699-0.846716I$ $b=-0.220280+1.212270I$	$1.50497+3.62679I$	0
$u=-0.598347+0.666097I$ $a=-0.16850-1.52968I$ $b=-0.478723+1.274520I$	$3.59961+5.85301I$	0
$u=-0.598347-0.666097I$ $a=-0.16850+1.52968I$ $b=-0.478723-1.274520I$	$3.59961-5.85301I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.790166+0.419125I$ $a=\ \ 0.923399+0.679091I$ $b=-0.172002-0.888623I$	$-0.026731+0.249329I$	0
$u=-0.790166-0.419125I$ $a=\ \ 0.923399-0.679091I$ $b=-0.172002+0.888623I$	$-0.026731-0.249329I$	0
$u=\ \ 0.862566+0.769640I$ $a=-0.658978+0.892280I$ $b=\ \ 0.462248-1.114990I$	$4.43962+9.42483I$	0
$u=\ \ 0.862566-0.769640I$ $a=-0.658978-0.892280I$ $b=\ \ 0.462248+1.114990I$	$4.43962-9.42483I$	0
$u=-0.899348+0.752807I$ $a=-0.450036-0.841376I$ $b=\ \ 0.409776+1.015980I$	$0.38102-3.25469I$	0
$u=-0.899348-0.752807I$ $a=-0.450036+0.841376I$ $b=\ \ 0.409776-1.015980I$	$0.38102+3.25469I$	0
$u=-0.285479+0.776322I$ $a=\ \ 1.33386+1.43737I$ $b=-0.228862-1.046640I$	$4.65161-1.17305I$	0
$u=-0.285479-0.776322I$ $a=\ \ 1.33386-1.43737I$ $b=-0.228862+1.046640I$	$4.65161+1.17305I$	0
$u=\ \ 0.466976+1.086610I$ $a=-0.05581+1.53114I$ $b=-0.239066-1.124310I$	$6.47214-4.06326I$	0
$u=\ \ 0.466976-1.086610I$ $a=-0.05581-1.53114I$ $b=-0.239066+1.124310I$	$6.47214+4.06326I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.467316+0.645610I$ $a=\ \ 0.50155+1.73448I$ $b=\ \ 0.265133-0.564344I$	$-1.121110+0.012098I$	0
$u=-0.467316-0.645610I$ $a=\ \ 0.50155-1.73448I$ $b=\ \ 0.265133+0.564344I$	$-1.121110-0.012098I$	0
$u=\ \ 0.639968+0.473480I$ $a=-0.079364-0.504106I$ $b=\ \ 0.352919-0.419281I$	$2.60382-3.71655I$	0
$u=\ \ 0.639968-0.473480I$ $a=-0.079364+0.504106I$ $b=\ \ 0.352919+0.419281I$	$2.60382+3.71655I$	0
$u=-0.287870+0.741226I$ $a=-0.03917-2.02126I$ $b=-0.524280+1.132570I$	$1.57214+3.89522I$	0
$u=-0.287870-0.741226I$ $a=-0.03917+2.02126I$ $b=-0.524280-1.132570I$	$1.57214-3.89522I$	0
$u=\ \ 1.198490+0.176927I$ $a=\ \ 1.44258-0.34480I$ $b=\ \ 0.836368+0.866080I$	$2.44809-7.61183I$	0
$u=\ \ 1.198490-0.176927I$ $a=\ \ 1.44258+0.34480I$ $b=\ \ 0.836368-0.866080I$	$2.44809+7.61183I$	0
$u=-1.221370+0.080433I$ $a=\ \ 0.42076+1.71830I$ $b=-0.15014-1.44954I$	$4.28980-3.56524I$	0
$u=-1.221370-0.080433I$ $a=\ \ 0.42076-1.71830I$ $b=-0.15014+1.44954I$	$4.28980+3.56524I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.392201 + 0.657414I$ $a = -0.642889 + 0.199459I$ $b = 1.027630 - 0.163312I$	$2.40740 - 9.40150I$	0
$u = 0.392201 - 0.657414I$ $a = -0.642889 - 0.199459I$ $b = 1.027630 + 0.163312I$	$2.40740 + 9.40150I$	0
$u = 1.233800 + 0.082428I$ $a = -0.077203 + 0.973153I$ $b = -0.06891 - 1.50286I$	$0.69463 - 3.33644I$	0
$u = 1.233800 - 0.082428I$ $a = -0.077203 - 0.973153I$ $b = -0.06891 + 1.50286I$	$0.69463 + 3.33644I$	0
$u = 0.965997 + 0.776238I$ $a = -0.313323 + 1.159710I$ $b = 0.175814 - 0.995769I$	$6.05310 - 2.71735I$	0
$u = 0.965997 - 0.776238I$ $a = -0.313323 - 1.159710I$ $b = 0.175814 + 0.995769I$	$6.05310 + 2.71735I$	0
$u = -0.394715 + 0.648092I$ $a = -0.322974 - 0.363590I$ $b = 0.817048 + 0.245952I$	$-0.90520 + 3.98675I$	0
$u = -0.394715 - 0.648092I$ $a = -0.322974 + 0.363590I$ $b = 0.817048 - 0.245952I$	$-0.90520 - 3.98675I$	0
$u = 0.470426 + 0.590997I$ $a = -0.10378 - 1.77112I$ $b = 0.528302 + 0.317611I$	$2.06938 + 5.38468I$	0
$u = 0.470426 - 0.590997I$ $a = -0.10378 + 1.77112I$ $b = 0.528302 - 0.317611I$	$2.06938 - 5.38468I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.196281 + 0.707481I$ $a = 1.12029 - 1.12234I$ $b = -0.060722 + 0.802937I$	$3.55125 + 0.41556I$	0
$u = 0.196281 - 0.707481I$ $a = 1.12029 + 1.12234I$ $b = -0.060722 - 0.802937I$	$3.55125 - 0.41556I$	0
$u = -1.227590 + 0.321086I$ $a = 0.025930 - 0.485104I$ $b = 0.406478 + 1.190100I$	$1.70515 - 0.70564I$	0
$u = -1.227590 - 0.321086I$ $a = 0.025930 + 0.485104I$ $b = 0.406478 - 1.190100I$	$1.70515 + 0.70564I$	0
$u = 1.275920 + 0.022449I$ $a = -2.45049 + 0.53181I$ $b = -0.123232 - 0.732183I$	$0.56365 + 5.79801I$	0
$u = 1.275920 - 0.022449I$ $a = -2.45049 - 0.53181I$ $b = -0.123232 + 0.732183I$	$0.56365 - 5.79801I$	0
$u = -1.261800 + 0.214920I$ $a = 1.192400 + 0.393611I$ $b = 0.580363 - 0.909025I$	$-0.50677 + 2.23772I$	0
$u = -1.261800 - 0.214920I$ $a = 1.192400 - 0.393611I$ $b = 0.580363 + 0.909025I$	$-0.50677 - 2.23772I$	0
$u = 1.271900 + 0.167056I$ $a = 1.172710 - 0.182178I$ $b = 0.566156 + 1.187640I$	$3.85134 + 1.89307I$	0
$u = 1.271900 - 0.167056I$ $a = 1.172710 + 0.182178I$ $b = 0.566156 - 1.187640I$	$3.85134 - 1.89307I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.290725 + 0.650679I$ $a = 0.199721 - 0.356884I$ $b = 0.530763 + 0.237368I$	$3.78492 - 0.12194I$	0
$u = 0.290725 - 0.650679I$ $a = 0.199721 + 0.356884I$ $b = 0.530763 - 0.237368I$	$3.78492 + 0.12194I$	0
$u = -1.248970 + 0.334674I$ $a = -0.75589 - 1.46384I$ $b = -0.500992 + 0.693182I$	$-3.82438 + 3.34998I$	0
$u = -1.248970 - 0.334674I$ $a = -0.75589 + 1.46384I$ $b = -0.500992 - 0.693182I$	$-3.82438 - 3.34998I$	0
$u = 0.068955 + 0.699239I$ $a = 0.14091 + 1.70069I$ $b = 0.592341 - 1.094560I$	$5.73729 + 4.43088I$	0
$u = 0.068955 - 0.699239I$ $a = 0.14091 - 1.70069I$ $b = 0.592341 + 1.094560I$	$5.73729 - 4.43088I$	0
$u = 0.265498 + 0.646748I$ $a = -0.44365 + 2.56882I$ $b = -0.55319 - 1.34067I$	$3.19026 - 6.44191I$	$-12.0000 + 11.4713I$
$u = 0.265498 - 0.646748I$ $a = -0.44365 - 2.56882I$ $b = -0.55319 + 1.34067I$	$3.19026 + 6.44191I$	$-12.0000 - 11.4713I$
$u = -0.128914 + 0.686799I$ $a = 0.48784 - 1.91211I$ $b = -0.631900 + 0.805408I$	$0.86655 + 3.84705I$	$-12.0000 - 7.8791I$
$u = -0.128914 - 0.686799I$ $a = 0.48784 + 1.91211I$ $b = -0.631900 - 0.805408I$	$0.86655 - 3.84705I$	$-12.0000 + 7.8791I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.296260+0.133686I$ $a=-0.262178-0.741476I$ $b=\ \ 0.12648+1.75568I$	$3.97356+6.66748I$	0
$u=-1.296260-0.133686I$ $a=-0.262178+0.741476I$ $b=\ \ 0.12648-1.75568I$	$3.97356-6.66748I$	0
$u=-1.308940+0.014853I$ $a=-1.62132+0.66875I$ $b=-0.490491-0.842042I$	$-3.89591+0.91839I$	0
$u=-1.308940-0.014853I$ $a=-1.62132-0.66875I$ $b=-0.490491+0.842042I$	$-3.89591-0.91839I$	0
$u=\ \ 1.322800+0.009344I$ $a=-0.848439+1.093570I$ $b=-0.54209-1.32608I$	$-1.48603-3.84847I$	0
$u=\ \ 1.322800-0.009344I$ $a=-0.848439-1.093570I$ $b=-0.54209+1.32608I$	$-1.48603+3.84847I$	0
$u=\ \ 0.459948+0.480036I$ $a=-0.742762+1.117410I$ $b=-0.426714-1.166170I$	$2.19251-3.91255I$	$-9.93504+2.80464I$
$u=\ \ 0.459948-0.480036I$ $a=-0.742762-1.117410I$ $b=-0.426714+1.166170I$	$2.19251+3.91255I$	$-9.93504-2.80464I$
$u=\ \ 0.107507+0.628166I$ $a=\ \ 0.78778-1.64930I$ $b=\ \ 0.229799+1.109420I$	$3.69200+0.88634I$	$-5.67830-1.96706I$
$u=\ \ 0.107507-0.628166I$ $a=\ \ 0.78778+1.64930I$ $b=\ \ 0.229799-1.109420I$	$3.69200-0.88634I$	$-5.67830+1.96706I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.361760+0.136901I$ $a=-0.564547-0.578178I$ $b=-1.297910-0.250636I$	$-6.02457+2.64112I$	0
$u=-1.361760-0.136901I$ $a=-0.564547+0.578178I$ $b=-1.297910+0.250636I$	$-6.02457-2.64112I$	0
$u=-1.353360+0.258344I$ $a=1.023270+0.363947I$ $b=0.267150-0.491798I$	$-1.27388+3.07615I$	0
$u=-1.353360-0.258344I$ $a=1.023270-0.363947I$ $b=0.267150+0.491798I$	$-1.27388-3.07615I$	0
$u=1.388200+0.141062I$ $a=-0.154978+0.438599I$ $b=-1.36741+0.54957I$	$-6.20225-0.29066I$	0
$u=1.388200-0.141062I$ $a=-0.154978-0.438599I$ $b=-1.36741-0.54957I$	$-6.20225+0.29066I$	0
$u=-1.399770+0.062318I$ $a=-0.497121+0.174045I$ $b=-1.37614-0.61423I$	$-5.97812-0.65707I$	0
$u=-1.399770-0.062318I$ $a=-0.497121-0.174045I$ $b=-1.37614+0.61423I$	$-5.97812+0.65707I$	0
$u=-1.388790+0.188853I$ $a=0.266866-0.041810I$ $b=-0.704926-0.828542I$	$-3.20648-1.42275I$	0
$u=-1.388790-0.188853I$ $a=0.266866+0.041810I$ $b=-0.704926+0.828542I$	$-3.20648+1.42275I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.394520 + 0.159441I$ $a = -1.87179 + 0.17410I$ $b = -0.291289 - 1.138590I$	$2.34288 - 7.63921I$	0
$u = 1.394520 - 0.159441I$ $a = -1.87179 - 0.17410I$ $b = -0.291289 + 1.138590I$	$2.34288 + 7.63921I$	0
$u = 1.373330 + 0.292896I$ $a = 1.290640 - 0.465002I$ $b = -0.046045 + 0.785237I$	$-0.52152 - 2.68073I$	0
$u = 1.373330 - 0.292896I$ $a = 1.290640 + 0.465002I$ $b = -0.046045 - 0.785237I$	$-0.52152 + 2.68073I$	0
$u = 0.983070 + 1.009910I$ $a = 0.469754 - 0.962394I$ $b = -0.080777 + 0.895256I$	$5.19721 - 3.03779I$	0
$u = 0.983070 - 1.009910I$ $a = 0.469754 + 0.962394I$ $b = -0.080777 - 0.895256I$	$5.19721 + 3.03779I$	0
$u = 1.38600 + 0.30864I$ $a = -0.82841 + 1.23836I$ $b = -0.756191 - 1.083990I$	$-3.97014 - 7.58303I$	0
$u = 1.38600 - 0.30864I$ $a = -0.82841 - 1.23836I$ $b = -0.756191 + 1.083990I$	$-3.97014 + 7.58303I$	0
$u = -1.40763 + 0.25231I$ $a = -1.26003 - 1.09906I$ $b = -0.69981 + 1.40966I$	$-2.16246 + 9.72845I$	0
$u = -1.40763 - 0.25231I$ $a = -1.26003 + 1.09906I$ $b = -0.69981 - 1.40966I$	$-2.16246 - 9.72845I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.42045+0.20751I$ $a=\ \ 0.592511+0.128313I$ $b=\ \ 0.604947+0.174650I$	$-1.64361+3.17831I$	0
$u=-1.42045-0.20751I$ $a=\ \ 0.592511-0.128313I$ $b=\ \ 0.604947-0.174650I$	$-1.64361-3.17831I$	0
$u=\ \ 1.43607+0.09953I$ $a=-0.252449-0.039186I$ $b=-1.366660+0.281304I$	$-6.63863-1.86881I$	0
$u=\ \ 1.43607-0.09953I$ $a=-0.252449+0.039186I$ $b=-1.366660-0.281304I$	$-6.63863+1.86881I$	0
$u=\ \ 1.43790+0.14720I$ $a=-0.1103850-0.0066734I$ $b=-0.987233+0.285377I$	$-6.29510-1.52422I$	0
$u=\ \ 1.43790-0.14720I$ $a=-0.1103850+0.0066734I$ $b=-0.987233-0.285377I$	$-6.29510+1.52422I$	0
$u=\ \ 1.41835+0.29295I$ $a=-0.89887+1.13729I$ $b=-0.74061-1.22575I$	$-3.87520-7.64567I$	0
$u=\ \ 1.41835-0.29295I$ $a=-0.89887-1.13729I$ $b=-0.74061+1.22575I$	$-3.87520+7.64567I$	0
$u=-1.44420+0.15774I$ $a=\ \ 1.33023+1.62255I$ $b=\ \ 0.342815-1.142610I$	$-2.09785+8.62195I$	0
$u=-1.44420-0.15774I$ $a=\ \ 1.33023-1.62255I$ $b=\ \ 0.342815+1.142610I$	$-2.09785-8.62195I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.482641 + 0.225116I$ $a = -0.175110 - 0.409993I$ $b = -0.370798 - 0.961784I$	$1.81686 - 3.71061I$	$-11.64852 + 7.11033I$
$u = 0.482641 - 0.225116I$ $a = -0.175110 + 0.409993I$ $b = -0.370798 + 0.961784I$	$1.81686 + 3.71061I$	$-11.64852 - 7.11033I$
$u = 1.45667 + 0.24433I$ $a = 0.236039 - 0.195747I$ $b = 1.092940 - 0.403525I$	$-6.86533 - 7.26367I$	0
$u = 1.45667 - 0.24433I$ $a = 0.236039 + 0.195747I$ $b = 1.092940 + 0.403525I$	$-6.86533 + 7.26367I$	0
$u = -1.45603 + 0.24861I$ $a = 0.173127 + 0.314033I$ $b = 1.283430 + 0.314233I$	$-3.53837 + 12.72520I$	0
$u = -1.45603 - 0.24861I$ $a = 0.173127 - 0.314033I$ $b = 1.283430 - 0.314233I$	$-3.53837 - 12.72520I$	0
$u = -0.028786 + 0.517740I$ $a = 0.81457 + 2.29615I$ $b = 0.28053 - 1.45206I$	$7.88035 - 4.42352I$	$-1.87054 + 3.58395I$
$u = -0.028786 - 0.517740I$ $a = 0.81457 - 2.29615I$ $b = 0.28053 + 1.45206I$	$7.88035 + 4.42352I$	$-1.87054 - 3.58395I$
$u = 1.47154 + 0.19362I$ $a = 0.90147 - 1.13844I$ $b = 0.458659 + 0.994130I$	$-7.54568 - 2.89339I$	0
$u = 1.47154 - 0.19362I$ $a = 0.90147 + 1.13844I$ $b = 0.458659 - 0.994130I$	$-7.54568 + 2.89339I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.48248+0.14758I$ $a=-0.456361+0.205470I$ $b=-0.644756+0.495195I$	$-4.54822+5.43952I$	0
$u=-1.48248-0.14758I$ $a=-0.456361-0.205470I$ $b=-0.644756-0.495195I$	$-4.54822-5.43952I$	0
$u=-1.47633+0.20618I$ $a=-0.848364-0.497921I$ $b=-0.748457+1.145330I$	$-4.08967+6.59028I$	0
$u=-1.47633-0.20618I$ $a=-0.848364+0.497921I$ $b=-0.748457-1.145330I$	$-4.08967-6.59028I$	0
$u=-1.48391+0.19171I$ $a=0.590773+1.031500I$ $b=0.546235-0.874362I$	$-4.33484-2.49145I$	0
$u=-1.48391-0.19171I$ $a=0.590773-1.031500I$ $b=0.546235+0.874362I$	$-4.33484+2.49145I$	0
$u=-0.165706+0.450236I$ $a=-2.83180-2.91509I$ $b=-0.162540+1.304730I$	$7.40940+5.41990I$	$0.43513-7.12665I$
$u=-0.165706-0.450236I$ $a=-2.83180+2.91509I$ $b=-0.162540-1.304730I$	$7.40940-5.41990I$	$0.43513+7.12665I$
$u=-0.445265+0.142823I$ $a=1.035940-0.399197I$ $b=-0.885753-0.258938I$	$-0.87833-1.17215I$	$-16.9095+3.7953I$
$u=-0.445265-0.142823I$ $a=1.035940+0.399197I$ $b=-0.885753+0.258938I$	$-0.87833+1.17215I$	$-16.9095-3.7953I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.49380+0.34827I$ $a=\ \ 1.00962+1.09612I$ $b=\ \ 0.70583-1.32097I$	$-0.3035+19.6529I$	0
$u=-1.49380-0.34827I$ $a=\ \ 1.00962-1.09612I$ $b=\ \ 0.70583+1.32097I$	$-0.3035-19.6529I$	0
$u=-0.458680+0.077305I$ $a=\ \ 3.31078+1.12935I$ $b=\ \ 0.097322-0.668829I$	$-0.687739+0.795629I$	$-14.2212-7.9793I$
$u=-0.458680-0.077305I$ $a=\ \ 3.31078-1.12935I$ $b=\ \ 0.097322+0.668829I$	$-0.687739-0.795629I$	$-14.2212+7.9793I$
$u=\ \ 1.51374+0.25636I$ $a=-0.663338+0.810282I$ $b=-0.77519-1.35395I$	$-3.19998-9.31869I$	0
$u=\ \ 1.51374-0.25636I$ $a=-0.663338-0.810282I$ $b=-0.77519+1.35395I$	$-3.19998+9.31869I$	0
$u=\ \ 1.49706+0.35112I$ $a=\ \ 0.99643-1.02943I$ $b=\ \ 0.678137+1.220980I$	$-4.2594-13.5773I$	0
$u=\ \ 1.49706-0.35112I$ $a=\ \ 0.99643+1.02943I$ $b=\ \ 0.678137-1.220980I$	$-4.2594+13.5773I$	0
$u=-1.51250+0.33148I$ $a=\ \ 1.08247+0.93181I$ $b=\ \ 0.495184-1.155070I$	$1.14976+7.58504I$	0
$u=-1.51250-0.33148I$ $a=\ \ 1.08247-0.93181I$ $b=\ \ 0.495184+1.155070I$	$1.14976-7.58504I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.50399+0.39832I$ $a=-0.615515-1.085130I$ $b=-0.446157+1.299990I$	$0.26179+9.32717I$	0
$u=-1.50399-0.39832I$ $a=-0.615515+1.085130I$ $b=-0.446157-1.299990I$	$0.26179-9.32717I$	0
$u=-1.55238+0.12872I$ $a=\ 0.028752+0.539203I$ $b=\ 0.143653+0.350303I$	$-4.68327+5.84719I$	0
$u=-1.55238-0.12872I$ $a=\ 0.028752-0.539203I$ $b=\ 0.143653-0.350303I$	$-4.68327-5.84719I$	0
$u=\ 0.293368+0.325282I$ $a=\ 2.22644-5.15575I$ $b=\ 0.273689+0.932741I$	$3.65495-6.65848I$	$-7.5941+13.3955I$
$u=\ 0.293368-0.325282I$ $a=\ 2.22644+5.15575I$ $b=\ 0.273689-0.932741I$	$3.65495+6.65848I$	$-7.5941-13.3955I$
$u=\ 0.299744+0.281324I$ $a=\ 2.14422-0.94982I$ $b=-0.429702+1.088460I$	$2.02119+3.47303I$	$-11.57548-3.68608I$
$u=\ 0.299744-0.281324I$ $a=\ 2.14422+0.94982I$ $b=-0.429702-1.088460I$	$2.02119-3.47303I$	$-11.57548+3.68608I$
$u=\ 1.60842+0.05916I$ $a=\ 0.284118+0.039038I$ $b=\ 0.410167-0.623452I$	$-8.77342+0.82140I$	0
$u=\ 1.60842-0.05916I$ $a=\ 0.284118-0.039038I$ $b=\ 0.410167+0.623452I$	$-8.77342-0.82140I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.160233+0.351246I$ $a=\ \ 0.85875+1.54908I$ $b=-0.449690-0.068646I$	$-0.697061-0.212567I$	$-13.66753+0.13954I$
$u=-0.160233-0.351246I$ $a=\ \ 0.85875-1.54908I$ $b=-0.449690+0.068646I$	$-0.697061+0.212567I$	$-13.66753-0.13954I$
$u=\ \ 0.248350+0.280663I$ $a=\ \ 0.78367+1.20017I$ $b=-0.970508-0.062762I$	$-1.09332-0.92676I$	$-15.5657+7.3109I$
$u=\ \ 0.248350-0.280663I$ $a=\ \ 0.78367-1.20017I$ $b=-0.970508+0.062762I$	$-1.09332+0.92676I$	$-15.5657-7.3109I$
$u=-0.364852$ $a=\ \ 1.08276$ $b=-0.246816$	-0.651812	-15.2950
$u=\ \ 1.63867+0.02918I$ $a=\ \ 1.050020-0.165177I$ $b=\ \ 0.352944+0.832227I$	$-8.55558-1.56892I$	0
$u=\ \ 1.63867-0.02918I$ $a=\ \ 1.050020+0.165177I$ $b=\ \ 0.352944-0.832227I$	$-8.55558+1.56892I$	0
$u=-1.66546+0.00645I$ $a=\ \ 0.108554-0.246590I$ $b=\ \ 0.413549+0.672361I$	$-5.01229-6.58318I$	0
$u=-1.66546-0.00645I$ $a=\ \ 0.108554+0.246590I$ $b=\ \ 0.413549-0.672361I$	$-5.01229+6.58318I$	0
$u=-0.0431775+0.0361201I$ $a=\ \ 6.94439-2.59821I$ $b=-1.172360-0.229584I$	$-1.05061-1.12049I$	$-28.1544+9.6037I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.0431775-0.0361201I$		
$a=\ \ 6.94439+2.59821I$	$-1.05061+1.12049I$	$-28.1544-9.6037I$
$b=-1.172360+0.229584I$		

II.

$\boldsymbol{I_2^u = \langle -1.44\times 10^{13}u^{37} - 2.58\times 10^{13}u^{36} + \cdots + 3.82\times 10^{11}b + 1.08\times 10^{13},\ 1.44\times 10^{13}u^{37} + 2.54\times 10^{13}u^{36} + \cdots + 3.82\times 10^{11}a - 1.03\times 10^{13},\ u^{38} + 3u^{37} + \cdots - u - 1\rangle}$

(i) Arc colorings

$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -37.6664u^{37} - 66.5123u^{36} + \cdots + 11.4758u + 27.0744 \\ 37.7231u^{37} + 67.4952u^{36} + \cdots - 6.41289u - 28.3243 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -u^2 + 1 \\ -u^4 + 2u^2 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 0.0567701u^{37} + 0.982876u^{36} + \cdots + 5.06287u - 1.24990 \\ 37.7231u^{37} + 67.4952u^{36} + \cdots - 6.41289u - 28.3243 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 55.4262u^{37} + 97.8513u^{36} + \cdots - 15.4625u - 44.2493 \\ -32.1694u^{37} - 52.9489u^{36} + \cdots + 9.44269u + 23.7990 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -40.1499u^{37} - 71.1073u^{36} + \cdots + 1.16726u + 35.0990 \\ 7.08803u^{37} + 12.2427u^{36} + \cdots - 2.41647u - 4.56722 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -49.1014u^{37} - 86.9036u^{36} + \cdots + 3.02309u + 41.1669 \\ 18.4481u^{37} + 32.2209u^{36} + \cdots - 4.18689u - 13.4725 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -53.7293u^{37} - 94.9277u^{36} + \cdots + 12.5524u + 41.0974 \\ 6.19820u^{37} + 10.2091u^{36} + \cdots - 4.24099u - 1.22419 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -62.5444u^{37} - 107.503u^{36} + \cdots + 13.5992u + 48.3800 \\ 106.743u^{37} + 185.599u^{36} + \cdots - 17.6938u - 87.3072 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes

$$= -\frac{54171862183872}{382195085957}u^{37} - \frac{96482424360244}{382195085957}u^{36} + \cdots + \frac{11659328615494}{382195085957}u + \frac{44003727995628}{382195085957}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{38} - 4u^{37} + \cdots - 3u + 1$
c_2	$u^{38} - 14u^{37} + \cdots - 49u + 5$
c_3	$u^{38} - 2u^{37} + \cdots + 6u + 1$
c_4	$u^{38} + u^{37} + \cdots + 5u - 1$
c_5	$u^{38} + 14u^{37} + \cdots + 49u + 5$
c_6, c_7	$u^{38} + 3u^{37} + \cdots - u - 1$
c_8	$u^{38} + 3u^{37} + \cdots - 3u - 5$
c_9	$u^{38} + u^{37} + \cdots - 93u - 25$
c_{10}	$u^{38} - 3u^{37} + \cdots + u - 1$
c_{11}	$u^{38} - 2u^{37} + \cdots + 84u + 25$
c_{12}	$u^{38} - 3u^{37} + \cdots + 3u - 5$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{38} - 6y^{37} + \cdots + 23y + 1$
c_2, c_5	$y^{38} + 20y^{37} + \cdots + 499y + 25$
c_3	$y^{38} + 26y^{37} + \cdots + 12y + 1$
c_4	$y^{38} - 15y^{37} + \cdots + 5y + 1$
c_6, c_7, c_{10}	$y^{38} - 41y^{37} + \cdots - 5y + 1$
c_8, c_{12}	$y^{38} + 21y^{37} + \cdots + 401y + 25$
c_9	$y^{38} + 15y^{37} + \cdots + 551y + 625$
c_{11}	$y^{38} - 26y^{37} + \cdots + 1194y + 625$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.859266 + 0.368693I$ $a = 0.175718 - 0.330830I$ $b = -0.278786 + 1.112480I$	$1.25814 + 1.93262I$	$-9.88591 - 3.16017I$
$u = 0.859266 - 0.368693I$ $a = 0.175718 + 0.330830I$ $b = -0.278786 - 1.112480I$	$1.25814 - 1.93262I$	$-9.88591 + 3.16017I$
$u = 1.124330 + 0.019984I$ $a = 0.183773 - 0.852803I$ $b = -0.210201 + 1.388410I$	$1.07759 + 2.72612I$	$-12.00000 + 3.09347I$
$u = 1.124330 - 0.019984I$ $a = 0.183773 + 0.852803I$ $b = -0.210201 - 1.388410I$	$1.07759 - 2.72612I$	$-12.00000 - 3.09347I$
$u = -0.609311 + 0.962052I$ $a = -0.29247 - 1.53193I$ $b = -0.218251 + 1.074160I$	$5.96143 + 4.17639I$	$-12.0000 - 9.6189I$
$u = -0.609311 - 0.962052I$ $a = -0.29247 + 1.53193I$ $b = -0.218251 - 1.074160I$	$5.96143 - 4.17639I$	$-12.0000 + 9.6189I$
$u = -1.250820 + 0.017997I$ $a = 0.92055 + 1.07407I$ $b = 0.02632 - 1.51024I$	$3.76327 - 4.60753I$	0
$u = -1.250820 - 0.017997I$ $a = 0.92055 - 1.07407I$ $b = 0.02632 + 1.51024I$	$3.76327 + 4.60753I$	0
$u = 1.249410 + 0.236783I$ $a = 1.51764 - 0.95300I$ $b = 0.140287 + 0.596985I$	$-3.04204 - 2.57872I$	0
$u = 1.249410 - 0.236783I$ $a = 1.51764 + 0.95300I$ $b = 0.140287 - 0.596985I$	$-3.04204 + 2.57872I$	0

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.294200+0.096935I$ $a=\ \ 2.31084+0.56353I$ $b=\ \ 0.386974-0.773655I$	$0.34651+7.02010I$	0
$u=-1.294200-0.096935I$ $a=\ \ 2.31084-0.56353I$ $b=\ \ 0.386974+0.773655I$	$0.34651-7.02010I$	0
$u=\ \ 0.330023+0.597429I$ $a=-0.36035+1.85679I$ $b=-0.554308-1.264460I$	$2.78563-5.02798I$	$-8.27973+6.51996I$
$u=\ \ 0.330023-0.597429I$ $a=-0.36035-1.85679I$ $b=-0.554308+1.264460I$	$2.78563+5.02798I$	$-8.27973-6.51996I$
$u=\ \ 0.491553+0.432403I$ $a=-1.77071+2.38937I$ $b=-0.127262-0.728704I$	$-0.371497+0.007237I$	$-5.73743-0.08040I$
$u=\ \ 0.491553-0.432403I$ $a=-1.77071-2.38937I$ $b=-0.127262+0.728704I$	$-0.371497-0.007237I$	$-5.73743+0.08040I$
$u=\ \ 1.358160+0.101247I$ $a=-0.516411+0.297232I$ $b=-1.365550+0.091506I$	$-5.26534-2.39484I$	0
$u=\ \ 1.358160-0.101247I$ $a=-0.516411-0.297232I$ $b=-1.365550-0.091506I$	$-5.26534+2.39484I$	0
$u=-0.949326+0.984640I$ $a=\ \ 0.370389+0.952334I$ $b=-0.140179-0.876851I$	$5.10834+2.74797I$	0
$u=-0.949326-0.984640I$ $a=\ \ 0.370389-0.952334I$ $b=-0.140179+0.876851I$	$5.10834-2.74797I$	0

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.382580+0.130806I$ $a=-0.256754-0.265819I$ $b=-1.44483-0.54599I$	$-5.71831+0.55183I$	0
$u=-1.382580-0.130806I$ $a=-0.256754+0.265819I$ $b=-1.44483+0.54599I$	$-5.71831-0.55183I$	0
$u=-0.537172+0.141991I$ $a=-1.73560-0.70712I$ $b=-0.059145+1.333020I$	$6.43473+5.01326I$	$-7.73429-4.82561I$
$u=-0.537172-0.141991I$ $a=-1.73560+0.70712I$ $b=-0.059145-1.333020I$	$6.43473-5.01326I$	$-7.73429+4.82561I$
$u=-1.43837+0.26122I$ $a=-0.898407-0.930294I$ $b=-0.79564+1.31551I$	$-2.95007+8.28346I$	0
$u=-1.43837-0.26122I$ $a=-0.898407+0.930294I$ $b=-0.79564-1.31551I$	$-2.95007-8.28346I$	0
$u=1.46891+0.25196I$ $a=-0.99081+1.05453I$ $b=-0.439317-1.265220I$	$-0.59078-8.01571I$	0
$u=1.46891-0.25196I$ $a=-0.99081-1.05453I$ $b=-0.439317+1.265220I$	$-0.59078+8.01571I$	0
$u=0.482771$ $a=-0.388056$ $b=-0.584916$	-1.85343	-21.8960
$u=-1.54190$ $a=-0.425930$ $b=-0.482360$	-8.78782	0

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.397980+0.178255I$ $a=-4.06482-2.10886I$ $b=\ \ 0.225393+0.757206I$	$3.56960-5.96026I$	$-7.50877+2.08306I$
$u=-0.397980-0.178255I$ $a=-4.06482+2.10886I$ $b=\ \ 0.225393-0.757206I$	$3.56960+5.96026I$	$-7.50877-2.08306I$
$u=\ \ 1.60137+0.10269I$ $a=-0.154181+0.208591I$ $b=\ \ 0.017121+0.601807I$	$-4.24429-6.01098I$	0
$u=\ \ 1.60137-0.10269I$ $a=-0.154181-0.208591I$ $b=\ \ 0.017121-0.601807I$	$-4.24429+6.01098I$	0
$u=-1.64831+0.03460I$ $a=-1.040020-0.205206I$ $b=-0.344348+0.839776I$	$-8.50395+1.53610I$	0
$u=-1.64831-0.03460I$ $a=-1.040020+0.205206I$ $b=-0.344348-0.839776I$	$-8.50395-1.53610I$	0
$u=\ \ 0.054610+0.285264I$ $a=\ \ 1.008620-0.438737I$ $b=-1.284650+0.250589I$	$-0.878057+1.043190I$	$11.01358+7.74779I$
$u=\ \ 0.054610-0.285264I$ $a=\ \ 1.008620+0.438737I$ $b=-1.284650-0.250589I$	$-0.878057-1.043190I$	$11.01358-7.74779I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{38}-4u^{37}+\cdots-3u+1)(u^{151}-9u^{150}+\cdots-6836u+1689)$
c_2	$(u^{38}-14u^{37}+\cdots-49u+5)(u^{151}+9u^{150}+\cdots-1990u+1825)$
c_3	$(u^{38}-2u^{37}+\cdots+6u+1)(u^{151}+3u^{150}+\cdots+1987u+97)$
c_4	$(u^{38}+u^{37}+\cdots+5u-1)(u^{151}+6u^{150}+\cdots-130250u+29375)$
c_5	$(u^{38}+14u^{37}+\cdots+49u+5)(u^{151}+9u^{150}+\cdots-1990u+1825)$
c_6, c_7	$(u^{38}+3u^{37}+\cdots-u-1)(u^{151}+4u^{150}+\cdots+26u+1)$
c_8	$(u^{38}+3u^{37}+\cdots-3u-5)(u^{151}+46u^{149}+\cdots+886u+149)$
c_9	$(u^{38}+u^{37}+\cdots-93u-25)(u^{151}-2u^{150}+\cdots-4383642u+726827)$
c_{10}	$(u^{38}-3u^{37}+\cdots+u-1)(u^{151}+4u^{150}+\cdots+26u+1)$
c_{11}	$(u^{38}-2u^{37}+\cdots+84u+25)(u^{151}-15u^{150}+\cdots-31153u+6533)$
c_{12}	$(u^{38}-3u^{37}+\cdots+3u-5)(u^{151}+46u^{149}+\cdots+886u+149)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{38} - 6y^{37} + \cdots + 23y + 1)$ $\cdot (y^{151} + 21y^{150} + \cdots - 147730430y - 2852721)$
c_2, c_5	$(y^{38} + 20y^{37} + \cdots + 499y + 25)$ $\cdot (y^{151} + 79y^{150} + \cdots - 91731950y - 3330625)$
c_3	$(y^{38} + 26y^{37} + \cdots + 12y + 1)(y^{151} + 33y^{150} + \cdots + 3420489y - 9409)$
c_4	$(y^{38} - 15y^{37} + \cdots + 5y + 1)$ $\cdot (y^{151} + 8y^{150} + \cdots - 145840000000y - 862890625)$
c_6, c_7, c_{10}	$(y^{38} - 41y^{37} + \cdots - 5y + 1)(y^{151} - 146y^{150} + \cdots + 122y - 1)$
c_8, c_{12}	$(y^{38} + 21y^{37} + \cdots + 401y + 25)$ $\cdot (y^{151} + 92y^{150} + \cdots - 812880y - 22201)$
c_9	$(y^{38} + 15y^{37} + \cdots + 551y + 625)$ $\cdot (y^{151} + 2y^{150} + \cdots + 63007761680138y - 528277487929)$
c_{11}	$(y^{38} - 26y^{37} + \cdots + 1194y + 625)$ $\cdot (y^{151} - 15y^{150} + \cdots - 3528388777y - 42680089)$