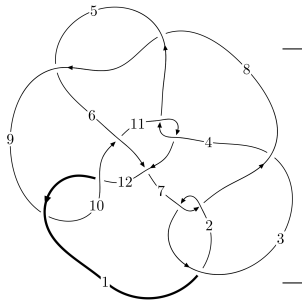
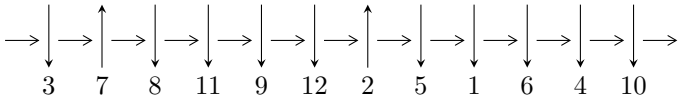
$12a_{0547}$ $(K12a_{0547})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle -1.82820 \times 10^{271} u^{152} + 1.44234 \times 10^{271} u^{151} + \cdots + 2.04979 \times 10^{271} b + 3.56914 \times 10^{272},$$
$$4.13842 \times 10^{272} u^{152} + 4.80709 \times 10^{272} u^{151} + \cdots + 2.25477 \times 10^{272} a + 5.49438 \times 10^{273},$$
$$u^{153} + u^{152} + \cdots + 28u + 11 \rangle$$
$$I_2^u = \langle -15u^{36} + 4u^{35} + \cdots + b + 12,\ 3u^{36} - u^{35} + \cdots + a + 4,\ u^{37} + 10u^{35} + \cdots + 7u^2 + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 190 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. $\boldsymbol{I_1^u = \langle -1.83 \times 10^{271} u^{152} + 1.44 \times 10^{271} u^{151} + \cdots + 2.05 \times 10^{271} b + 3.57 \times 10^{272},\ 4.14 \times 10^{272} u^{152} + 4.81 \times 10^{272} u^{151} + \cdots + 2.25 \times 10^{272} a + 5.49 \times 10^{273},\ u^{153} + u^{152} + \cdots + 28u + 11 \rangle}$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -u^3 \\ u^3 + u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -1.83540u^{152} - 2.13196u^{151} + \cdots - 55.6512u - 24.3678 \\ 0.891895u^{152} - 0.703650u^{151} + \cdots - 15.7291u - 17.4122 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -3.07699u^{152} + 0.677463u^{151} + \cdots - 31.4818u - 0.617562 \\ -0.627358u^{152} - 1.90774u^{151} + \cdots - 44.2921u - 19.0364 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.541198u^{152} - 4.00467u^{151} + \cdots - 73.7467u - 47.3026 \\ 1.32157u^{152} + 0.752987u^{151} + \cdots + 18.8733u - 1.48239 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -2.06938u^{152} - 1.82937u^{151} + \cdots - 53.0326u - 22.5137 \\ 0.934884u^{152} - 1.02868u^{151} + \cdots - 17.9375u - 17.6217 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^3 \\ u^5 + u^3 + u \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -2.75509u^{152} + 0.779317u^{151} + \cdots - 25.6683u - 2.59189 \\ -1.43719u^{152} - 3.10153u^{151} + \cdots - 82.2229u - 39.1923 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.72401u^{152} - 2.92931u^{151} + \cdots - 75.4883u - 35.5372 \\ 1.63954u^{152} - 0.541052u^{151} + \cdots + 7.50025u - 9.41830 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 4.17995u^{152} - 1.07008u^{151} + \cdots + 20.1517u - 47.8921$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{153} + 77u^{152} + \cdots - 1548u - 121$
c_2, c_7	$u^{153} + u^{152} + \cdots + 28u + 11$
c_3	$u^{153} - u^{152} + \cdots + 13334880u + 1770791$
c_4, c_{11}	$u^{153} + 2u^{152} + \cdots + 3u + 1$
c_5, c_8	$u^{153} - 50u^{151} + \cdots + 8395u + 10331$
c_6	$u^{153} + u^{152} + \cdots + 869544u + 253007$
c_9, c_{12}	$u^{153} - 4u^{152} + \cdots - 52195u + 4961$
c_{10}	$u^{153} - u^{152} + \cdots + 35046u + 9439$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{153} + 5y^{152} + \cdots - 286508y - 14641$
c_2, c_7	$y^{153} + 77y^{152} + \cdots - 1548y - 121$
c_3	$y^{153} - 67y^{152} + \cdots - 141584742282518y - 3135700765681$
c_4, c_{11}	$y^{153} + 84y^{152} + \cdots - 39y - 1$
c_5, c_8	$y^{153} - 100y^{152} + \cdots + 4473444915y - 106729561$
c_6	$y^{153} + 25y^{152} + \cdots - 1962648262454y - 64012542049$
c_9, c_{12}	$y^{153} + 80y^{152} + \cdots - 798994097y - 24611521$
c_{10}	$y^{153} + 17y^{152} + \cdots - 7057634132y - 89094721$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.803169+0.577760I$ $a=\ \ 0.654727-0.658081I$ $b=-2.16547+0.07601I$	$2.89636+2.62923I$	0
$u=-0.803169-0.577760I$ $a=\ \ 0.654727+0.658081I$ $b=-2.16547-0.07601I$	$2.89636-2.62923I$	0
$u=-1.004370+0.112798I$ $a=-0.307076-0.833264I$ $b=\ \ 0.592813+1.118070I$	$-1.59495+1.22097I$	0
$u=-1.004370-0.112798I$ $a=-0.307076+0.833264I$ $b=\ \ 0.592813-1.118070I$	$-1.59495-1.22097I$	0
$u=-0.420378+0.885705I$ $a=\ \ 1.45676+0.24596I$ $b=-1.23957-0.84798I$	$1.16632+2.69264I$	0
$u=-0.420378-0.885705I$ $a=\ \ 1.45676-0.24596I$ $b=-1.23957+0.84798I$	$1.16632-2.69264I$	0
$u=-0.169016+1.013590I$ $a=\ \ 1.214710+0.245532I$ $b=-0.462782-0.735315I$	$-1.48405+1.57407I$	0
$u=-0.169016-1.013590I$ $a=\ \ 1.214710-0.245532I$ $b=-0.462782+0.735315I$	$-1.48405-1.57407I$	0
$u=\ \ 0.661362+0.709297I$ $a=\ \ 0.463802-0.665196I$ $b=\ \ 1.51391+0.38433I$	$1.30435+5.87704I$	0
$u=\ \ 0.661362-0.709297I$ $a=\ \ 0.463802+0.665196I$ $b=\ \ 1.51391-0.38433I$	$1.30435-5.87704I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.661394+0.698725I$ $a=-0.054834+0.347458I$ $b=\ 1.60907+0.63444I$	$7.98668-5.17937I$	0
$u=-0.661394-0.698725I$ $a=-0.054834-0.347458I$ $b=\ 1.60907-0.63444I$	$7.98668+5.17937I$	0
$u=\ 0.926965+0.468778I$ $a=-0.899004+0.412334I$ $b=\ 2.08791-1.45289I$	$0.49601-3.67330I$	0
$u=\ 0.926965-0.468778I$ $a=-0.899004-0.412334I$ $b=\ 2.08791+1.45289I$	$0.49601+3.67330I$	0
$u=\ 0.922348+0.250824I$ $a=\ 0.432284-1.050650I$ $b=-1.42601+1.70545I$	$0.69176-1.30939I$	0
$u=\ 0.922348-0.250824I$ $a=\ 0.432284+1.050650I$ $b=-1.42601-1.70545I$	$0.69176+1.30939I$	0
$u=\ 0.599653+0.866993I$ $a=-0.12882-1.44661I$ $b=\ 1.282060-0.139973I$	$0.836296-0.978230I$	0
$u=\ 0.599653-0.866993I$ $a=-0.12882+1.44661I$ $b=\ 1.282060+0.139973I$	$0.836296+0.978230I$	0
$u=\ 0.024048+1.060330I$ $a=\ 1.70255+0.01296I$ $b=-0.953502-0.444769I$	$0.19382+2.04626I$	0
$u=\ 0.024048-1.060330I$ $a=\ 1.70255-0.01296I$ $b=-0.953502+0.444769I$	$0.19382-2.04626I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.885318+0.300352I$ $a=\ \ 0.282592+0.613095I$ $b=-1.86384-1.14675I$	$2.3619+14.1579I$	0
$u=-0.885318-0.300352I$ $a=\ \ 0.282592-0.613095I$ $b=-1.86384+1.14675I$	$2.3619-14.1579I$	0
$u=-0.538737+0.761034I$ $a=-0.809151-1.144800I$ $b=-1.272290+0.084596I$	$4.31832-2.17917I$	0
$u=-0.538737-0.761034I$ $a=-0.809151+1.144800I$ $b=-1.272290-0.084596I$	$4.31832+2.17917I$	0
$u=\ \ 0.265107+1.037410I$ $a=-0.391450-0.151234I$ $b=\ \ 0.808245+0.272149I$	$1.63828+3.80010I$	0
$u=\ \ 0.265107-1.037410I$ $a=-0.391450+0.151234I$ $b=\ \ 0.808245-0.272149I$	$1.63828-3.80010I$	0
$u=-0.529733+0.745288I$ $a=\ \ 0.27196-1.60407I$ $b=-0.847186+0.569319I$	$1.48585-6.62716I$	0
$u=-0.529733-0.745288I$ $a=\ \ 0.27196+1.60407I$ $b=-0.847186-0.569319I$	$1.48585+6.62716I$	0
$u=-0.626068+0.894564I$ $a=\ \ 0.64894+2.15812I$ $b=\ \ 1.34997-1.01960I$	$7.41917+0.20736I$	0
$u=-0.626068-0.894564I$ $a=\ \ 0.64894-2.15812I$ $b=\ \ 1.34997+1.01960I$	$7.41917-0.20736I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.113240 + 1.098040I$ $a = -2.40907 + 1.47465I$ $b = 1.004810 - 0.952987I$	$-5.34213 - 1.63294I$	0
$u = 0.113240 - 1.098040I$ $a = -2.40907 - 1.47465I$ $b = 1.004810 + 0.952987I$	$-5.34213 + 1.63294I$	0
$u = 0.737210 + 0.499189I$ $a = 0.035993 - 0.473925I$ $b = -1.232050 + 0.370722I$	$5.42547 + 0.75189I$	0
$u = 0.737210 - 0.499189I$ $a = 0.035993 + 0.473925I$ $b = -1.232050 - 0.370722I$	$5.42547 - 0.75189I$	0
$u = -0.427201 + 1.025550I$ $a = 1.46652 - 2.59746I$ $b = -2.03822 - 0.26994I$	$-0.07991 + 1.48262I$	0
$u = -0.427201 - 1.025550I$ $a = 1.46652 + 2.59746I$ $b = -2.03822 + 0.26994I$	$-0.07991 - 1.48262I$	0
$u = 0.524046 + 0.983672I$ $a = -0.204309 + 0.610614I$ $b = 0.244671 - 0.234525I$	$2.01558 + 2.87049I$	0
$u = 0.524046 - 0.983672I$ $a = -0.204309 - 0.610614I$ $b = 0.244671 + 0.234525I$	$2.01558 - 2.87049I$	0
$u = 0.795132 + 0.784678I$ $a = 0.418719 + 1.070430I$ $b = -2.11529 - 0.37904I$	$5.30275 + 10.77780I$	0
$u = 0.795132 - 0.784678I$ $a = 0.418719 - 1.070430I$ $b = -2.11529 + 0.37904I$	$5.30275 - 10.77780I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.467919+1.030120I$ $a=-0.486150+0.390238I$ $b=\ \ 1.266510+0.358123I$	$-4.17331-3.13943I$	0
$u=-0.467919-1.030120I$ $a=-0.486150-0.390238I$ $b=\ \ 1.266510-0.358123I$	$-4.17331+3.13943I$	0
$u=-0.422936+1.051470I$ $a=-1.64652-2.71399I$ $b=-0.279492+1.009320I$	$2.80395-0.18184I$	0
$u=-0.422936-1.051470I$ $a=-1.64652+2.71399I$ $b=-0.279492-1.009320I$	$2.80395+0.18184I$	0
$u=-0.728290+0.455821I$ $a=-0.255788-0.431460I$ $b=-1.71113-0.25408I$	$5.24838+3.35209I$	0
$u=-0.728290-0.455821I$ $a=-0.255788+0.431460I$ $b=-1.71113+0.25408I$	$5.24838-3.35209I$	0
$u=-0.805772+0.293840I$ $a=\ \ 0.125125-0.537652I$ $b=\ \ 1.59272+0.94279I$	$-0.88656+8.08747I$	0
$u=-0.805772-0.293840I$ $a=\ \ 0.125125+0.537652I$ $b=\ \ 1.59272-0.94279I$	$-0.88656-8.08747I$	0
$u=-0.415484+1.068520I$ $a=-1.264150+0.217576I$ $b=\ \ 1.020550+0.631809I$	$-3.51137-3.38573I$	0
$u=-0.415484-1.068520I$ $a=-1.264150-0.217576I$ $b=\ \ 1.020550-0.631809I$	$-3.51137+3.38573I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.436413 + 1.062230I$ $a = -2.81312 + 1.71557I$ $b = 1.01179 - 1.77752I$	$-3.07142 + 1.23078I$	0
$u = 0.436413 - 1.062230I$ $a = -2.81312 - 1.71557I$ $b = 1.01179 + 1.77752I$	$-3.07142 - 1.23078I$	0
$u = 0.214188 + 0.812689I$ $a = 0.522372 + 0.212518I$ $b = -0.129247 - 0.290374I$	$-0.573771 + 1.117010I$	0
$u = 0.214188 - 0.812689I$ $a = 0.522372 - 0.212518I$ $b = -0.129247 + 0.290374I$	$-0.573771 - 1.117010I$	0
$u = 0.791592 + 0.279934I$ $a = 0.010624 + 0.208496I$ $b = 1.83748 - 0.03341I$	$5.85581 - 7.23825I$	0
$u = 0.791592 - 0.279934I$ $a = 0.010624 - 0.208496I$ $b = 1.83748 + 0.03341I$	$5.85581 + 7.23825I$	0
$u = 0.484218 + 1.074660I$ $a = 0.80584 - 3.69106I$ $b = 1.57664 + 1.61174I$	$-2.70678 + 5.64464I$	0
$u = 0.484218 - 1.074660I$ $a = 0.80584 + 3.69106I$ $b = 1.57664 - 1.61174I$	$-2.70678 - 5.64464I$	0
$u = 0.355257 + 1.125980I$ $a = -1.022580 + 0.111630I$ $b = 0.030616 + 0.297694I$	$-7.39263 + 2.02832I$	0
$u = 0.355257 - 1.125980I$ $a = -1.022580 - 0.111630I$ $b = 0.030616 - 0.297694I$	$-7.39263 - 2.02832I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.495307+1.075110I$ $a=\ 1.37526+2.72517I$ $b=\ 0.313367-1.252430I$	$3.36604-6.63400I$	0
$u=-0.495307-1.075110I$ $a=\ 1.37526-2.72517I$ $b=\ 0.313367+1.252430I$	$3.36604+6.63400I$	0
$u=-0.498143+1.073910I$ $a=-1.19365+1.96600I$ $b=\ 1.73648-0.00647I$	$-2.99168-3.47198I$	0
$u=-0.498143-1.073910I$ $a=-1.19365-1.96600I$ $b=\ 1.73648+0.00647I$	$-2.99168+3.47198I$	0
$u=\ 0.336033+1.135300I$ $a=\ 1.59010-0.29813I$ $b=-1.084310+0.461830I$	$-1.70702+0.20417I$	0
$u=\ 0.336033-1.135300I$ $a=\ 1.59010+0.29813I$ $b=-1.084310-0.461830I$	$-1.70702-0.20417I$	0
$u=\ 0.777805+0.238252I$ $a=\ 0.736978-0.649162I$ $b=-0.129376+0.136119I$	$-0.91343-7.83033I$	$-8.00000+5.36238I$
$u=\ 0.777805-0.238252I$ $a=\ 0.736978+0.649162I$ $b=-0.129376-0.136119I$	$-0.91343+7.83033I$	$-8.00000-5.36238I$
$u=\ 0.800176+0.877926I$ $a=\ 0.88752+1.47851I$ $b=-2.10313-0.10183I$	$5.06004-4.90030I$	0
$u=\ 0.800176-0.877926I$ $a=\ 0.88752-1.47851I$ $b=-2.10313+0.10183I$	$5.06004+4.90030I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.518758 + 1.070880I$ $a = -0.419405 - 1.157740I$ $b = 1.076190 - 0.340141I$	$3.16301 + 2.84324I$	0
$u = 0.518758 - 1.070880I$ $a = -0.419405 + 1.157740I$ $b = 1.076190 + 0.340141I$	$3.16301 - 2.84324I$	0
$u = 0.604831 + 0.537268I$ $a = 0.153128 - 0.747016I$ $b = -0.170830 + 0.266794I$	$3.31184 + 1.61796I$	$-8.00000 + 0.I$
$u = 0.604831 - 0.537268I$ $a = 0.153128 + 0.747016I$ $b = -0.170830 - 0.266794I$	$3.31184 - 1.61796I$	$-8.00000 + 0.I$
$u = -0.804054 + 0.028913I$ $a = 0.0738268 + 0.0031876I$ $b = 0.342861 + 0.482325I$	$-1.96641 + 1.44396I$	$-10.10047 - 1.74700I$
$u = -0.804054 - 0.028913I$ $a = 0.0738268 - 0.0031876I$ $b = 0.342861 - 0.482325I$	$-1.96641 - 1.44396I$	$-10.10047 + 1.74700I$
$u = -0.529515 + 1.072320I$ $a = 1.36972 - 0.52815I$ $b = -1.43026 - 0.35470I$	$0.80352 - 7.91545I$	0
$u = -0.529515 - 1.072320I$ $a = 1.36972 + 0.52815I$ $b = -1.43026 + 0.35470I$	$0.80352 + 7.91545I$	0
$u = 0.278954 + 1.170680I$ $a = -2.04057 - 0.50987I$ $b = 1.53105 - 0.21670I$	$1.35908 - 4.03523I$	0
$u = 0.278954 - 1.170680I$ $a = -2.04057 + 0.50987I$ $b = 1.53105 + 0.21670I$	$1.35908 + 4.03523I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.254270+1.185540I$ $a=-2.13863-1.09344I$ $b=\ \ 1.28167+0.96987I$	$-5.56411+4.90770I$	0
$u=-0.254270-1.185540I$ $a=-2.13863+1.09344I$ $b=\ \ 1.28167-0.96987I$	$-5.56411-4.90770I$	0
$u=\ \ 0.607861+1.049160I$ $a=-0.01178+1.98308I$ $b=-0.921894-0.660627I$	$3.80249+4.36928I$	0
$u=\ \ 0.607861-1.049160I$ $a=-0.01178-1.98308I$ $b=-0.921894+0.660627I$	$3.80249-4.36928I$	0
$u=-0.581277+1.070960I$ $a=\ \ 0.41404-2.18203I$ $b=-1.87012+0.52084I$	$3.42627-8.35156I$	0
$u=-0.581277-1.070960I$ $a=\ \ 0.41404+2.18203I$ $b=-1.87012-0.52084I$	$3.42627+8.35156I$	0
$u=\ \ 0.396784+1.155950I$ $a=\ \ 2.89958-1.26714I$ $b=-1.40518+1.46228I$	$-3.41797-1.17717I$	0
$u=\ \ 0.396784-1.155950I$ $a=\ \ 2.89958+1.26714I$ $b=-1.40518-1.46228I$	$-3.41797+1.17717I$	0
$u=\ \ 0.304939+1.184940I$ $a=\ \ 0.987353-0.056795I$ $b=-0.158035-0.252883I$	$-5.24129-4.41690I$	0
$u=\ \ 0.304939-1.184940I$ $a=\ \ 0.987353+0.056795I$ $b=-0.158035+0.252883I$	$-5.24129+4.41690I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.626569+1.062030I$ $a=\ \ 0.97901-2.18234I$ $b=-2.04671+0.62504I$	$1.38311-8.00166I$	0
$u=-0.626569-1.062030I$ $a=\ \ 0.97901+2.18234I$ $b=-2.04671-0.62504I$	$1.38311+8.00166I$	0
$u=-0.652876+0.399979I$ $a=-0.042548-0.783913I$ $b=-0.959350+0.188021I$	$2.75263+3.31067I$	$-4.78268-2.44794I$
$u=-0.652876-0.399979I$ $a=-0.042548+0.783913I$ $b=-0.959350-0.188021I$	$2.75263-3.31067I$	$-4.78268+2.44794I$
$u=\ \ 0.513181+1.127210I$ $a=-0.494940-0.841920I$ $b=-0.075096+0.195869I$	$-6.29750+5.72449I$	0
$u=\ \ 0.513181-1.127210I$ $a=-0.494940+0.841920I$ $b=-0.075096-0.195869I$	$-6.29750-5.72449I$	0
$u=\ \ 0.716816+0.223428I$ $a=-0.319148-0.645624I$ $b=-1.273520+0.282810I$	$2.20690-3.05991I$	$-4.94983+2.95032I$
$u=\ \ 0.716816-0.223428I$ $a=-0.319148+0.645624I$ $b=-1.273520-0.282810I$	$2.20690+3.05991I$	$-4.94983-2.95032I$
$u=\ \ 0.492970+1.148300I$ $a=\ \ 0.02850+3.84157I$ $b=-1.78955-1.50932I$	$-2.73820+9.28492I$	0
$u=\ \ 0.492970-1.148300I$ $a=\ \ 0.02850-3.84157I$ $b=-1.78955+1.50932I$	$-2.73820-9.28492I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.520803 + 1.141260I$ $a = 0.51173 + 2.15597I$ $b = -1.40784 - 0.36801I$	$-0.43649 + 7.74062I$	0
$u = 0.520803 - 1.141260I$ $a = 0.51173 - 2.15597I$ $b = -1.40784 + 0.36801I$	$-0.43649 - 7.74062I$	0
$u = 0.249185 + 1.240000I$ $a = 2.54342 - 1.62987I$ $b = -1.21371 + 1.26680I$	$-4.38413 + 2.37619I$	0
$u = 0.249185 - 1.240000I$ $a = 2.54342 + 1.62987I$ $b = -1.21371 - 1.26680I$	$-4.38413 - 2.37619I$	0
$u = -0.733805 + 0.033596I$ $a = -0.389271 + 0.173878I$ $b = 0.343342 + 0.651786I$	$-2.11339 + 1.38961I$	$-8.75300 - 4.56908I$
$u = -0.733805 - 0.033596I$ $a = -0.389271 - 0.173878I$ $b = 0.343342 - 0.651786I$	$-2.11339 - 1.38961I$	$-8.75300 + 4.56908I$
$u = -0.491152 + 1.169130I$ $a = 0.049291 + 0.730421I$ $b = 0.082986 - 0.647105I$	$-5.26325 - 5.85056I$	0
$u = -0.491152 - 1.169130I$ $a = 0.049291 - 0.730421I$ $b = 0.082986 + 0.647105I$	$-5.26325 + 5.85056I$	0
$u = -0.317102 + 1.228990I$ $a = -1.384350 + 0.052888I$ $b = 0.683499 + 0.023809I$	$-6.26076 - 3.02281I$	0
$u = -0.317102 - 1.228990I$ $a = -1.384350 - 0.052888I$ $b = 0.683499 - 0.023809I$	$-6.26076 + 3.02281I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.543168 + 1.157210I$ $a = 0.422446 + 0.532579I$ $b = 0.110553 - 0.147833I$	$-3.60234 + 12.75860I$	0
$u = 0.543168 - 1.157210I$ $a = 0.422446 - 0.532579I$ $b = 0.110553 + 0.147833I$	$-3.60234 - 12.75860I$	0
$u = -0.223301 + 1.259190I$ $a = 2.60164 + 1.04394I$ $b = -1.54079 - 0.98551I$	$-2.84117 + 10.66610I$	0
$u = -0.223301 - 1.259190I$ $a = 2.60164 - 1.04394I$ $b = -1.54079 + 0.98551I$	$-2.84117 - 10.66610I$	0
$u = 0.558687 + 1.153750I$ $a = -1.26378 - 2.21148I$ $b = 1.96014 + 0.19747I$	$3.27547 + 12.28210I$	0
$u = 0.558687 - 1.153750I$ $a = -1.26378 + 2.21148I$ $b = 1.96014 - 0.19747I$	$3.27547 - 12.28210I$	0
$u = -0.443636 + 1.204070I$ $a = -0.843315 - 0.160289I$ $b = 0.309435 + 0.592095I$	$-5.66176 - 2.88998I$	0
$u = -0.443636 - 1.204070I$ $a = -0.843315 + 0.160289I$ $b = 0.309435 - 0.592095I$	$-5.66176 + 2.88998I$	0
$u = -0.568214 + 1.152690I$ $a = -0.04655 + 2.88528I$ $b = 1.64677 - 1.11729I$	$-3.42925 - 13.20540I$	0
$u = -0.568214 - 1.152690I$ $a = -0.04655 - 2.88528I$ $b = 1.64677 + 1.11729I$	$-3.42925 + 13.20540I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.249040+0.667944I$ $a=-2.87581-0.55560I$ $b=-0.301550-0.257994I$	$4.41673-2.94301I$	$-7.72377-2.80983I$
$u=-0.249040-0.667944I$ $a=-2.87581+0.55560I$ $b=-0.301550+0.257994I$	$4.41673+2.94301I$	$-7.72377+2.80983I$
$u=-0.449897+1.211370I$ $a=-0.489003-0.295317I$ $b=\ \ 0.318179+0.497734I$	$-5.61132-2.98647I$	0
$u=-0.449897-1.211370I$ $a=-0.489003+0.295317I$ $b=\ \ 0.318179-0.497734I$	$-5.61132+2.98647I$	0
$u=-0.467643+1.211860I$ $a=\ \ 0.070724+0.767974I$ $b=\ \ 0.395979-0.539772I$	$-5.45282-6.02890I$	0
$u=-0.467643-1.211860I$ $a=\ \ 0.070724-0.767974I$ $b=\ \ 0.395979+0.539772I$	$-5.45282+6.02890I$	0
$u=-0.348227+0.603564I$ $a=-1.85480-0.85300I$ $b=-1.92973+0.73724I$	$1.33390-4.92038I$	$-2.96903+7.20510I$
$u=-0.348227-0.603564I$ $a=-1.85480+0.85300I$ $b=-1.92973-0.73724I$	$1.33390+4.92038I$	$-2.96903-7.20510I$
$u=\ \ 0.656745+0.220774I$ $a=-0.95862+1.04655I$ $b=\ \ 0.203938-0.105601I$	$-3.74502-1.20259I$	$-7.76392+5.48574I$
$u=\ \ 0.656745-0.220774I$ $a=-0.95862-1.04655I$ $b=\ \ 0.203938+0.105601I$	$-3.74502+1.20259I$	$-7.76392-5.48574I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.416436+0.551040I$ $a=\ 0.55337+2.11407I$ $b=\ 0.806600-0.306418I$	$-2.64830-0.66881I$	$1.13261+10.21227I$
$u=-0.416436-0.551040I$ $a=\ 0.55337-2.11407I$ $b=\ 0.806600+0.306418I$	$-2.64830+0.66881I$	$1.13261-10.21227I$
$u=\ 0.669051+0.129996I$ $a=-0.086872-1.143820I$ $b=-1.67120+1.28658I$	$0.10169-4.86501I$	$-6.23365+7.74181I$
$u=\ 0.669051-0.129996I$ $a=-0.086872+1.143820I$ $b=-1.67120-1.28658I$	$0.10169+4.86501I$	$-6.23365-7.74181I$
$u=\ 0.579276+0.358982I$ $a=\ 1.350700+0.202255I$ $b=\ 0.869778+0.493481I$	$5.17720+1.57032I$	$-1.58318-2.26362I$
$u=\ 0.579276-0.358982I$ $a=\ 1.350700-0.202255I$ $b=\ 0.869778-0.493481I$	$5.17720-1.57032I$	$-1.58318+2.26362I$
$u=\ 0.644270+1.150770I$ $a=\ 0.08994-3.28212I$ $b=\ 1.70427+1.81284I$	$-1.66120+9.45022I$	0
$u=\ 0.644270-1.150770I$ $a=\ 0.08994+3.28212I$ $b=\ 1.70427-1.81284I$	$-1.66120-9.45022I$	0
$u=-0.593287+1.178580I$ $a=\ 0.26963-3.16414I$ $b=-1.83640+1.33864I$	$-0.2864-19.5811I$	0
$u=-0.593287-1.178580I$ $a=\ 0.26963+3.16414I$ $b=-1.83640-1.33864I$	$-0.2864+19.5811I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.561028+0.372602I$ $a=\ 0.343687-0.119766I$ $b=\ 1.52319-0.41698I$	$-0.985320-0.794515I$	$-7.89002+1.41192I$
$u=-0.561028-0.372602I$ $a=\ 0.343687+0.119766I$ $b=\ 1.52319+0.41698I$	$-0.985320+0.794515I$	$-7.89002-1.41192I$
$u=\ 0.562698+1.204090I$ $a=-0.33535+3.24093I$ $b=-1.23686-1.67317I$	$-2.25908+6.69261I$	0
$u=\ 0.562698-1.204090I$ $a=-0.33535-3.24093I$ $b=-1.23686+1.67317I$	$-2.25908-6.69261I$	0
$u=-0.436059+1.288710I$ $a=\ 0.879936+1.019690I$ $b=-0.177384-0.607356I$	$-5.55889-6.39241I$	0
$u=-0.436059-1.288710I$ $a=\ 0.879936-1.019690I$ $b=-0.177384+0.607356I$	$-5.55889+6.39241I$	0
$u=-0.494635+0.385298I$ $a=\ 1.25666-1.50464I$ $b=\ 0.467833+0.879146I$	$5.37889+2.47470I$	$-4.33792-4.94559I$
$u=-0.494635-0.385298I$ $a=\ 1.25666+1.50464I$ $b=\ 0.467833-0.879146I$	$5.37889-2.47470I$	$-4.33792+4.94559I$
$u=\ 0.241418+0.555776I$ $a=-1.05287-1.30742I$ $b=\ 0.71230+1.33021I$	$-1.21452+2.10656I$	$-2.73296-4.39387I$
$u=\ 0.241418-0.555776I$ $a=-1.05287+1.30742I$ $b=\ 0.71230-1.33021I$	$-1.21452-2.10656I$	$-2.73296+4.39387I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.445195 + 0.397840I$ $a = 1.044290 + 0.085184I$ $b = 1.43864 - 1.16421I$	$-0.69479 - 1.62339I$	$-7.51539 - 1.89786I$
$u = 0.445195 - 0.397840I$ $a = 1.044290 - 0.085184I$ $b = 1.43864 + 1.16421I$	$-0.69479 + 1.62339I$	$-7.51539 + 1.89786I$
$u = -0.458239$ $a = 0.601847$ $b = 0.560207$	-0.900948	-11.0700

II. $I_2^u =$
$\langle -15u^{36}+4u^{35}+\cdots+b+12,\ 3u^{36}-u^{35}+\cdots+a+4,\ u^{37}+10u^{35}+\cdots+7u^2+1\rangle$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} u \\ u^3+u \end{pmatrix}$$
$$a_4 = \begin{pmatrix} -u^3 \\ u^3+u \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -3u^{36}+u^{35}+\cdots-4u-4 \\ 15u^{36}-4u^{35}+\cdots+20u-12 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -6u^{36}+3u^{35}+\cdots+69u^2+16 \\ -u^{36}-9u^{34}+\cdots-u-1 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 15u^{36}+2u^{35}+\cdots+15u-9 \\ 7u^{36}+2u^{35}+\cdots+8u+3 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} u^{36}+2u^{35}+\cdots+2u-3 \\ 17u^{36}-4u^{35}+\cdots+23u-12 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} u^3 \\ u^5+u^3+u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 7u^{36}+9u^{35}+\cdots+23u+15 \\ 15u^{36}+14u^{35}+\cdots+22u+16 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 21u^{36}+7u^{35}+\cdots+26u-4 \\ -3u^{35}-3u^{34}+\cdots-12u^2-3u \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -43u^{36}-50u^{35}+\cdots-96u-74$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{37} - 20u^{36} + \cdots - 14u + 1$
c_2	$u^{37} + 10u^{35} + \cdots - 7u^2 - 1$
c_3	$u^{37} - 10u^{35} + \cdots + 4u - 1$
c_4	$u^{37} - u^{36} + \cdots - u + 1$
c_5	$u^{37} + 3u^{36} + \cdots - 3u - 1$
c_6	$u^{37} + 2u^{35} + \cdots - 16u^2 + 1$
c_7	$u^{37} + 10u^{35} + \cdots + 7u^2 + 1$
c_8	$u^{37} - 3u^{36} + \cdots - 3u + 1$
c_9	$u^{37} - 7u^{36} + \cdots + 7u - 1$
c_{10}	$u^{37} + 8u^{31} + \cdots - 2u + 1$
c_{11}	$u^{37} + u^{36} + \cdots - u - 1$
c_{12}	$u^{37} + 7u^{36} + \cdots + 7u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{37} + 40y^{35} + \cdots + 6y - 1$
c_2, c_7	$y^{37} + 20y^{36} + \cdots - 14y - 1$
c_3	$y^{37} - 20y^{36} + \cdots - 24y - 1$
c_4, c_{11}	$y^{37} + 23y^{36} + \cdots - 21y - 1$
c_5, c_8	$y^{37} - 33y^{36} + \cdots + 29y - 1$
c_6	$y^{37} + 4y^{36} + \cdots + 32y - 1$
c_9, c_{12}	$y^{37} + 15y^{36} + \cdots - 23y - 1$
c_{10}	$y^{37} + 16y^{34} + \cdots + 30y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.952212+0.090311I$ $a=-0.104007-0.655366I$ $b=\ \ 0.208410+0.522362I$	$-1.17932+0.96611I$	$0.27254+2.52102I$
$u=-0.952212-0.090311I$ $a=-0.104007+0.655366I$ $b=\ \ 0.208410-0.522362I$	$-1.17932-0.96611I$	$0.27254-2.52102I$
$u=\ \ 0.319819+0.996719I$ $a=\ \ 2.65049+0.61977I$ $b=-1.59562+1.02330I$	$-0.45140-2.56507I$	$-11.02853+5.16547I$
$u=\ \ 0.319819-0.996719I$ $a=\ \ 2.65049-0.61977I$ $b=-1.59562-1.02330I$	$-0.45140+2.56507I$	$-11.02853-5.16547I$
$u=\ \ 0.740520+0.585878I$ $a=\ \ 0.663276+0.775081I$ $b=-2.40811+0.48918I$	$3.15523-3.56081I$	$-4.03686+6.43106I$
$u=\ \ 0.740520-0.585878I$ $a=\ \ 0.663276-0.775081I$ $b=-2.40811-0.48918I$	$3.15523+3.56081I$	$-4.03686-6.43106I$
$u=-0.416499+0.972612I$ $a=\ \ 0.88128+2.03607I$ $b=\ \ 0.595763-0.127531I$	$3.64739+0.16584I$	$-2.88358-0.96832I$
$u=-0.416499-0.972612I$ $a=\ \ 0.88128-2.03607I$ $b=\ \ 0.595763+0.127531I$	$3.64739-0.16584I$	$-2.88358+0.96832I$
$u=\ \ 0.831452+0.345027I$ $a=-0.429239+0.777863I$ $b=\ \ 1.66786-1.60998I$	$0.47473-2.75973I$	$-5.24795+1.41911I$
$u=\ \ 0.831452-0.345027I$ $a=-0.429239-0.777863I$ $b=\ \ 1.66786+1.60998I$	$0.47473+2.75973I$	$-5.24795-1.41911I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.458141 + 1.028050I$ $a = -0.869327 - 0.706073I$ $b = 1.51754 - 0.42557I$	$-4.46888 + 3.15544I$	$-26.5881 - 4.0517I$
$u = 0.458141 - 1.028050I$ $a = -0.869327 + 0.706073I$ $b = 1.51754 + 0.42557I$	$-4.46888 - 3.15544I$	$-26.5881 + 4.0517I$
$u = -0.566830 + 0.661005I$ $a = -1.332300 - 0.304883I$ $b = -0.626582 + 0.321553I$	$5.59318 + 1.34355I$	$-3.36632 + 1.17381I$
$u = -0.566830 - 0.661005I$ $a = -1.332300 + 0.304883I$ $b = -0.626582 - 0.321553I$	$5.59318 - 1.34355I$	$-3.36632 - 1.17381I$
$u = -0.538094 + 0.996131I$ $a = -0.69125 - 1.56159I$ $b = -0.415061 + 0.357911I$	$4.51353 - 5.77883I$	$-3.50165 + 5.87210I$
$u = -0.538094 - 0.996131I$ $a = -0.69125 + 1.56159I$ $b = -0.415061 - 0.357911I$	$4.51353 + 5.77883I$	$-3.50165 - 5.87210I$
$u = 0.342528 + 1.111330I$ $a = -2.97687 + 1.70899I$ $b = 1.10784 - 1.57583I$	$-3.72281 + 0.02504I$	$-11.46828 + 0.I$
$u = 0.342528 - 1.111330I$ $a = -2.97687 - 1.70899I$ $b = 1.10784 + 1.57583I$	$-3.72281 - 0.02504I$	$-11.46828 + 0.I$
$u = 0.196424 + 0.810077I$ $a = -0.071376 + 1.329080I$ $b = -1.34633 - 0.67267I$	$0.42538 + 4.86711I$	$-12.3973 - 6.8417I$
$u = 0.196424 - 0.810077I$ $a = -0.071376 - 1.329080I$ $b = -1.34633 + 0.67267I$	$0.42538 - 4.86711I$	$-12.3973 + 6.8417I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.340917+0.742877I$ $a=\ 2.68410+1.31226I$ $b=\ 0.653111-0.504954I$	$4.51247-3.44104I$	$-4.31509+12.23106I$
$u=-0.340917-0.742877I$ $a=\ 2.68410-1.31226I$ $b=\ 0.653111+0.504954I$	$4.51247+3.44104I$	$-4.31509-12.23106I$
$u=\ 0.604712+1.052990I$ $a=\ 0.79485+2.85404I$ $b=-2.42269-0.96027I$	$1.68369+8.70603I$	$-6.3309-12.6711I$
$u=\ 0.604712-1.052990I$ $a=\ 0.79485-2.85404I$ $b=-2.42269+0.96027I$	$1.68369-8.70603I$	$-6.3309+12.6711I$
$u=-0.453958+1.153080I$ $a=-0.514883+0.395782I$ $b=-0.033508-0.222257I$	$-6.72491-4.05872I$	$-14.5319+3.6037I$
$u=-0.453958-1.153080I$ $a=-0.514883-0.395782I$ $b=-0.033508+0.222257I$	$-6.72491+4.05872I$	$-14.5319-3.6037I$
$u=\ 0.087285+0.738567I$ $a=-1.156660-0.183774I$ $b=\ 0.76662+1.20592I$	$-1.79055+1.99497I$	$-17.4589-1.8946I$
$u=\ 0.087285-0.738567I$ $a=-1.156660+0.183774I$ $b=\ 0.76662-1.20592I$	$-1.79055-1.99497I$	$-17.4589+1.8946I$
$u=\ 0.552094+1.164430I$ $a=\ 0.33534-3.50860I$ $b=\ 1.44777+1.73879I$	$-2.09762+7.91089I$	$-7.69267-6.67021I$
$u=\ 0.552094-1.164430I$ $a=\ 0.33534+3.50860I$ $b=\ 1.44777-1.73879I$	$-2.09762-7.91089I$	$-7.69267+6.67021I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.401506+1.227270I$ $a=-0.240017+0.236492I$ $b=\ \ 0.295463-0.357562I$	$-5.42342-3.43861I$	$-6.21564+7.48749I$
$u=-0.401506-1.227270I$ $a=-0.240017-0.236492I$ $b=\ \ 0.295463+0.357562I$	$-5.42342+3.43861I$	$-6.21564-7.48749I$
$u=-0.467703+1.250830I$ $a=\ \ 0.566324+0.107385I$ $b=-0.429435-0.045642I$	$-4.92900-5.98878I$	0
$u=-0.467703-1.250830I$ $a=\ \ 0.566324-0.107385I$ $b=-0.429435+0.045642I$	$-4.92900+5.98878I$	0
$u=\ \ 0.313789+0.564788I$ $a=\ \ 0.43343-2.21104I$ $b=\ \ 0.891963+0.402792I$	$-2.91040+0.42992I$	$-16.9096+4.9698I$
$u=\ \ 0.313789-0.564788I$ $a=\ \ 0.43343+2.21104I$ $b=\ \ 0.891963-0.402792I$	$-2.91040-0.42992I$	$-16.9096-4.9698I$
$u=-0.618091$ $a=-1.24632$ $b=\ \ 0.249980$	-3.64366	-10.0020

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{37}-20u^{36}+\cdots-14u+1)(u^{153}+77u^{152}+\cdots-1548u-121)$
c_2	$(u^{37}+10u^{35}+\cdots-7u^2-1)(u^{153}+u^{152}+\cdots+28u+11)$
c_3	$(u^{37}-10u^{35}+\cdots+4u-1)$ $\cdot(u^{153}-u^{152}+\cdots+13334880u+1770791)$
c_4	$(u^{37}-u^{36}+\cdots-u+1)(u^{153}+2u^{152}+\cdots+3u+1)$
c_5	$(u^{37}+3u^{36}+\cdots-3u-1)(u^{153}-50u^{151}+\cdots+8395u+10331)$
c_6	$(u^{37}+2u^{35}+\cdots-16u^2+1)(u^{153}+u^{152}+\cdots+869544u+253007)$
c_7	$(u^{37}+10u^{35}+\cdots+7u^2+1)(u^{153}+u^{152}+\cdots+28u+11)$
c_8	$(u^{37}-3u^{36}+\cdots-3u+1)(u^{153}-50u^{151}+\cdots+8395u+10331)$
c_9	$(u^{37}-7u^{36}+\cdots+7u-1)(u^{153}-4u^{152}+\cdots-52195u+4961)$
c_{10}	$(u^{37}+8u^{31}+\cdots-2u+1)(u^{153}-u^{152}+\cdots+35046u+9439)$
c_{11}	$(u^{37}+u^{36}+\cdots-u-1)(u^{153}+2u^{152}+\cdots+3u+1)$
c_{12}	$(u^{37}+7u^{36}+\cdots+7u+1)(u^{153}-4u^{152}+\cdots-52195u+4961)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{37}+40y^{35}+\cdots+6y-1)(y^{153}+5y^{152}+\cdots-286508y-14641)$
c_2, c_7	$(y^{37}+20y^{36}+\cdots-14y-1)(y^{153}+77y^{152}+\cdots-1548y-121)$
c_3	$(y^{37}-20y^{36}+\cdots-24y-1)$ $\cdot(y^{153}-67y^{152}+\cdots-141584742282518y-3135700765681)$
c_4, c_{11}	$(y^{37}+23y^{36}+\cdots-21y-1)(y^{153}+84y^{152}+\cdots-39y-1)$
c_5, c_8	$(y^{37}-33y^{36}+\cdots+29y-1)$ $\cdot(y^{153}-100y^{152}+\cdots+4473444915y-106729561)$
c_6	$(y^{37}+4y^{36}+\cdots+32y-1)$ $\cdot(y^{153}+25y^{152}+\cdots-1962648262454y-64012542049)$
c_9, c_{12}	$(y^{37}+15y^{36}+\cdots-23y-1)$ $\cdot(y^{153}+80y^{152}+\cdots-798994097y-24611521)$
c_{10}	$(y^{37}+16y^{34}+\cdots+30y-1)$ $\cdot(y^{153}+17y^{152}+\cdots-7057634132y-89094721)$