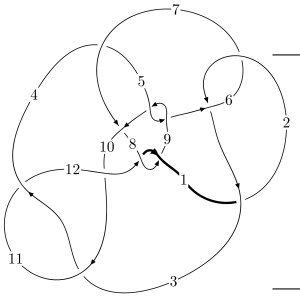
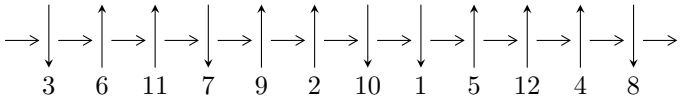
$12a_{0464}$ $(K12a_{0464})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned} I_1^u = \langle & -9.04807 \times 10^{406} u^{147} - 2.76096 \times 10^{407} u^{146} + \cdots + 1.92577 \times 10^{408} b - 2.23875 \times 10^{410}, \\ & 2.14793 \times 10^{409} u^{147} - 3.51499 \times 10^{409} u^{146} + \cdots + 1.34996 \times 10^{411} a - 6.24570 \times 10^{412}, \\ & u^{148} + 2u^{147} + \cdots + 2531u + 701 \rangle \\ I_2^u = \langle & -3146106 u^{35} + 3876595 u^{34} + \cdots + 1724315 b + 7517731, \\ & 10268268 u^{35} - 15331195 u^{34} + \cdots + 1724315 a - 6015468,\ u^{36} - u^{35} + \cdots + u + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 184 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. $\boldsymbol{I_1^u = \langle -9.05 \times 10^{406} u^{147} - 2.76 \times 10^{407} u^{146} + \cdots + 1.93 \times 10^{408} b - 2.24 \times 10^{410},\ 2.15 \times 10^{409} u^{147} - 3.51 \times 10^{409} u^{146} + \cdots + 1.35 \times 10^{411} a - 6.25 \times 10^{412},\ u^{148} + 2u^{147} + \cdots + 2531u + 701 \rangle}$

(i) Arc colorings

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^2 + 1 \\ u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -0.0159110u^{147} + 0.0260377u^{146} + \cdots + 169.631u + 46.2657 \\ 0.0469842u^{147} + 0.143369u^{146} + \cdots + 405.801u + 116.252 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -0.0465841u^{147} + 0.0201408u^{146} + \cdots + 402.993u + 158.980 \\ 0.0358114u^{147} - 0.0197006u^{146} + \cdots - 137.396u - 63.0475 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.0771767u^{147} + 0.00610062u^{146} + \cdots - 296.017u - 141.082 \\ -0.0264258u^{147} - 0.144854u^{146} + \cdots - 324.224u - 93.6180 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.0342021u^{147} + 0.101606u^{146} + \cdots + 694.847u + 253.271 \\ 0.0566151u^{147} + 0.0229606u^{146} + \cdots + 2.26931u - 8.50367 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.00994220u^{147} + 0.0634565u^{146} + \cdots + 316.174u + 101.369 \\ 0.0609589u^{147} + 0.101110u^{146} + \cdots + 169.224u + 49.1741 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.0966279u^{147} - 0.101794u^{146} + \cdots + 97.6154u + 126.522 \\ 0.166862u^{147} + 0.374460u^{146} + \cdots + 352.861u + 82.3272 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.271375u^{147} - 0.910200u^{146} + \cdots - 1670.53u - 564.206 \\ -0.0600355u^{147} - 0.137866u^{146} + \cdots - 183.561u - 47.5237 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 0.537377u^{147} + 0.175293u^{146} + \cdots + 358.399u - 104.006$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{148} + 72u^{147} + \cdots + 11695261u + 491401$
c_2, c_6	$u^{148} - 2u^{147} + \cdots - 2531u + 701$
c_3, c_{11}	$u^{148} - 3u^{147} + \cdots + 448u + 79$
c_4	$u^{148} - 11u^{147} + \cdots - 304766u + 12641$
c_5, c_9	$u^{148} - 2u^{147} + \cdots + 323478u + 28447$
c_7	$u^{148} - 6u^{147} + \cdots - 95114195u + 15948193$
c_8, c_{12}	$u^{148} + 3u^{147} + \cdots - 4435300u + 230749$
c_{10}	$u^{148} - 65u^{147} + \cdots - 211290u + 6241$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{148} + 24y^{147} + \cdots + 6272879625617y + 241474942801$
c_2, c_6	$y^{148} + 72y^{147} + \cdots + 11695261y + 491401$
c_3, c_{11}	$y^{148} - 65y^{147} + \cdots - 211290y + 6241$
c_4	$y^{148} - 21y^{147} + \cdots + 6938479434y + 159794881$
c_5, c_9	$y^{148} + 100y^{147} + \cdots + 19545541408y + 809231809$
c_7	$y^{148} - 54y^{147} + \cdots - 12238567626382887y + 254344859965249$
c_8, c_{12}	$y^{148} - 121y^{147} + \cdots - 6894134371112y + 53245101001$
c_{10}	$y^{148} + 55y^{147} + \cdots + 170947586y + 38950081$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.425191+0.900886I$ $a=-0.908693+0.387376I$ $b=-1.11111+1.23624I$	$0.0966257+0.0356460I$	0
$u=-0.425191-0.900886I$ $a=-0.908693-0.387376I$ $b=-1.11111-1.23624I$	$0.0966257-0.0356460I$	0
$u=\ \ 0.615278+0.793735I$ $a=-0.444341+0.796795I$ $b=-1.277370+0.118783I$	$4.66104+0.59032I$	0
$u=\ \ 0.615278-0.793735I$ $a=-0.444341-0.796795I$ $b=-1.277370-0.118783I$	$4.66104-0.59032I$	0
$u=\ \ 0.955824+0.311247I$ $a=-0.09072+1.41279I$ $b=-1.046050+0.694704I$	$-6.54280-7.64347I$	0
$u=\ \ 0.955824-0.311247I$ $a=-0.09072-1.41279I$ $b=-1.046050-0.694704I$	$-6.54280+7.64347I$	0
$u=\ \ 0.827947+0.570448I$ $a=\ \ 0.887519+0.466404I$ $b=\ \ 0.862050+0.581341I$	$0.00196+4.07893I$	0
$u=\ \ 0.827947-0.570448I$ $a=\ \ 0.887519-0.466404I$ $b=\ \ 0.862050-0.581341I$	$0.00196-4.07893I$	0
$u=-0.172098+0.992907I$ $a=\ \ 1.089030+0.341264I$ $b=\ \ 1.72145-1.20543I$	$-5.29512-0.79673I$	0
$u=-0.172098-0.992907I$ $a=\ \ 1.089030-0.341264I$ $b=\ \ 1.72145+1.20543I$	$-5.29512+0.79673I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.674430+0.726719I$ $a=-0.907549+0.394204I$ $b=-0.811742+0.812398I$	$-0.111595-0.244550I$	0
$u=-0.674430-0.726719I$ $a=-0.907549-0.394204I$ $b=-0.811742-0.812398I$	$-0.111595+0.244550I$	0
$u=-0.887990+0.434785I$ $a=-0.11426+1.43706I$ $b=\ \ 0.952263+0.831720I$	$0.07879+5.21242I$	0
$u=-0.887990-0.434785I$ $a=-0.11426-1.43706I$ $b=\ \ 0.952263-0.831720I$	$0.07879-5.21242I$	0
$u=-0.786320+0.638765I$ $a=-0.100296+0.738323I$ $b=\ \ 0.043178-0.238664I$	$0.20776-5.21289I$	0
$u=-0.786320-0.638765I$ $a=-0.100296-0.738323I$ $b=\ \ 0.043178+0.238664I$	$0.20776+5.21289I$	0
$u=\ \ 0.247961+0.984296I$ $a=\ \ 0.427339+0.304533I$ $b=-0.92917-1.59666I$	$-5.36685+1.40168I$	0
$u=\ \ 0.247961-0.984296I$ $a=\ \ 0.427339-0.304533I$ $b=-0.92917+1.59666I$	$-5.36685-1.40168I$	0
$u=\ \ 0.607735+0.829546I$ $a=\ \ 0.833791-0.526187I$ $b=\ \ 0.958504+0.941504I$	$4.54450+4.21200I$	0
$u=\ \ 0.607735-0.829546I$ $a=\ \ 0.833791+0.526187I$ $b=\ \ 0.958504-0.941504I$	$4.54450-4.21200I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.254384+1.002620I$ $a=-0.955431+0.342921I$ $b=-2.39720+0.98938I$	$-4.70091+5.29807I$	0
$u=-0.254384-1.002620I$ $a=-0.955431-0.342921I$ $b=-2.39720-0.98938I$	$-4.70091-5.29807I$	0
$u=\ 0.734386+0.624295I$ $a=\ 0.629708-0.403716I$ $b=\ 0.816423+0.606510I$	$2.99338-2.81431I$	0
$u=\ 0.734386-0.624295I$ $a=\ 0.629708+0.403716I$ $b=\ 0.816423-0.606510I$	$2.99338+2.81431I$	0
$u=-0.959771+0.076014I$ $a=-0.026585+0.824774I$ $b=-0.305540+0.142882I$	$1.42740+0.99230I$	0
$u=-0.959771-0.076014I$ $a=-0.026585-0.824774I$ $b=-0.305540-0.142882I$	$1.42740-0.99230I$	0
$u=-0.090977+1.035350I$ $a=-0.015307+0.549490I$ $b=\ 0.0996459+0.0546940I$	$-2.71460-2.53227I$	0
$u=-0.090977-1.035350I$ $a=-0.015307-0.549490I$ $b=\ 0.0996459-0.0546940I$	$-2.71460+2.53227I$	0
$u=\ 0.912392+0.265374I$ $a=\ 0.761640+0.610432I$ $b=\ 0.827400+0.271618I$	$0.1094310+0.0814343I$	0
$u=\ 0.912392-0.265374I$ $a=\ 0.761640-0.610432I$ $b=\ 0.827400-0.271618I$	$0.1094310-0.0814343I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.008190+0.324057I$ $a=\ \ 0.096515+1.338910I$ $b=\ \ 1.014480+0.645678I$	$-4.6329+13.5216I$	0
$u=-1.008190-0.324057I$ $a=\ \ 0.096515-1.338910I$ $b=\ \ 1.014480-0.645678I$	$-4.6329-13.5216I$	0
$u=-0.388923+0.992978I$ $a=-1.227430+0.579476I$ $b=-1.240840-0.473315I$	$-8.57268-3.06760I$	0
$u=-0.388923-0.992978I$ $a=-1.227430-0.579476I$ $b=-1.240840+0.473315I$	$-8.57268+3.06760I$	0
$u=-0.260397+1.035270I$ $a=-0.357235+0.222552I$ $b=\ \ 1.26943-1.28560I$	$-4.82531-6.86098I$	0
$u=-0.260397-1.035270I$ $a=-0.357235-0.222552I$ $b=\ \ 1.26943+1.28560I$	$-4.82531+6.86098I$	0
$u=-0.914197+0.099427I$ $a=-0.635443+0.649586I$ $b=-0.789762+0.116454I$	$0.36402-4.17697I$	0
$u=-0.914197-0.099427I$ $a=-0.635443-0.649586I$ $b=-0.789762-0.116454I$	$0.36402+4.17697I$	0
$u=\ \ 0.282717+1.050840I$ $a=\ \ 0.944793+0.339562I$ $b=\ \ 2.03412+0.62469I$	$-5.61649+0.14710I$	0
$u=\ \ 0.282717-1.050840I$ $a=\ \ 0.944793-0.339562I$ $b=\ \ 2.03412-0.62469I$	$-5.61649-0.14710I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.242159 + 1.061980I$ $a = -0.269463 - 0.938054I$ $b = 1.307230 + 0.454495I$	$-5.18565 - 5.65837I$	0
$u = 0.242159 - 1.061980I$ $a = -0.269463 + 0.938054I$ $b = 1.307230 - 0.454495I$	$-5.18565 + 5.65837I$	0
$u = 0.474238 + 1.011850I$ $a = 0.41753 - 1.48728I$ $b = 1.75008 + 0.44425I$	$2.53809 + 3.01205I$	0
$u = 0.474238 - 1.011850I$ $a = 0.41753 + 1.48728I$ $b = 1.75008 - 0.44425I$	$2.53809 - 3.01205I$	0
$u = -0.329706 + 1.071850I$ $a = 0.112592 - 1.063290I$ $b = -1.357660 + 0.391816I$	$-6.29447 - 0.56914I$	0
$u = -0.329706 - 1.071850I$ $a = 0.112592 + 1.063290I$ $b = -1.357660 - 0.391816I$	$-6.29447 + 0.56914I$	0
$u = -0.385820 + 1.053260I$ $a = 1.26681 - 0.97027I$ $b = 0.047621 - 0.642950I$	$-8.17532 - 5.80912I$	0
$u = -0.385820 - 1.053260I$ $a = 1.26681 + 0.97027I$ $b = 0.047621 + 0.642950I$	$-8.17532 + 5.80912I$	0
$u = 0.356491 + 1.064110I$ $a = 1.166600 + 0.483489I$ $b = 1.265760 - 0.419036I$	$-8.44747 - 1.56376I$	0
$u = 0.356491 - 1.064110I$ $a = 1.166600 - 0.483489I$ $b = 1.265760 + 0.419036I$	$-8.44747 + 1.56376I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.568167+0.969370I$ $a=\ \ 0.218147+0.533361I$ $b=\ \ 1.015540-0.099725I$	$-0.05778-3.26039I$	0
$u=-0.568167-0.969370I$ $a=\ \ 0.218147-0.533361I$ $b=\ \ 1.015540+0.099725I$	$-0.05778+3.26039I$	0
$u=-0.456106+1.034010I$ $a=-0.040597+0.439420I$ $b=\ \ 0.756560-0.449506I$	$-0.79703-3.19669I$	0
$u=-0.456106-1.034010I$ $a=-0.040597-0.439420I$ $b=\ \ 0.756560+0.449506I$	$-0.79703+3.19669I$	0
$u=-0.516238+1.007620I$ $a=\ \ 1.211910-0.159033I$ $b=\ \ 1.81710-1.15826I$	$0.88815-5.53053I$	0
$u=-0.516238-1.007620I$ $a=\ \ 1.211910+0.159033I$ $b=\ \ 1.81710+1.15826I$	$0.88815+5.53053I$	0
$u=\ \ 0.659215+0.920458I$ $a=\ \ 0.102798+0.644833I$ $b=-0.266317-0.407081I$	$-0.99142+1.51047I$	0
$u=\ \ 0.659215-0.920458I$ $a=\ \ 0.102798-0.644833I$ $b=-0.266317+0.407081I$	$-0.99142-1.51047I$	0
$u=\ \ 0.247412+1.111640I$ $a=-1.040740+0.206539I$ $b=-1.72487-1.12685I$	$-5.33414+6.40217I$	0
$u=\ \ 0.247412-1.111640I$ $a=-1.040740-0.206539I$ $b=-1.72487+1.12685I$	$-5.33414-6.40217I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.742862+0.432244I$ $a=\ \ 0.28185-1.45500I$ $b=-0.620562+0.132574I$	$-0.34787+7.05510I$	0
$u=-0.742862-0.432244I$ $a=\ \ 0.28185+1.45500I$ $b=-0.620562-0.132574I$	$-0.34787-7.05510I$	0
$u=\ \ 0.293907+1.113300I$ $a=-1.27949-0.66882I$ $b=-0.340521-0.535868I$	$-10.87350-0.03168I$	0
$u=\ \ 0.293907-1.113300I$ $a=-1.27949+0.66882I$ $b=-0.340521+0.535868I$	$-10.87350+0.03168I$	0
$u=-0.272602+0.803115I$ $a=-1.62219+0.65036I$ $b=-1.177530-0.540515I$	$-7.68851+0.20702I$	0
$u=-0.272602-0.803115I$ $a=-1.62219-0.65036I$ $b=-1.177530+0.540515I$	$-7.68851-0.20702I$	0
$u=\ \ 0.749605+0.381728I$ $a=-1.146630+0.471610I$ $b=-1.46202-0.07922I$	$-0.74478-7.93333I$	0
$u=\ \ 0.749605-0.381728I$ $a=-1.146630-0.471610I$ $b=-1.46202+0.07922I$	$-0.74478+7.93333I$	0
$u=-0.537817+0.634902I$ $a=-0.776760-0.228723I$ $b=-0.593785+0.781102I$	$0.95955-1.21524I$	0
$u=-0.537817-0.634902I$ $a=-0.776760+0.228723I$ $b=-0.593785-0.781102I$	$0.95955+1.21524I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.535130+1.041350I$ $a=\ \ 0.927657-0.314214I$ $b=\ \ 0.91309-2.60935I$	$-7.45648-3.08397I$	0
$u=-0.535130-1.041350I$ $a=\ \ 0.927657+0.314214I$ $b=\ \ 0.91309+2.60935I$	$-7.45648+3.08397I$	0
$u=-0.505683+1.079170I$ $a=-1.287270-0.150971I$ $b=-1.28391+2.08622I$	$-7.30083-1.08481I$	0
$u=-0.505683-1.079170I$ $a=-1.287270+0.150971I$ $b=-1.28391-2.08622I$	$-7.30083+1.08481I$	0
$u=\ \ 0.666394+0.990905I$ $a=-0.344955+0.462389I$ $b=-1.153180-0.156168I$	$1.92086+8.13920I$	0
$u=\ \ 0.666394-0.990905I$ $a=-0.344955-0.462389I$ $b=-1.153180+0.156168I$	$1.92086-8.13920I$	0
$u=-0.070879+0.797486I$ $a=\ \ 2.01729-0.07230I$ $b=\ \ 1.049440-0.751920I$	$-6.50161+3.43532I$	0
$u=-0.070879-0.797486I$ $a=\ \ 2.01729+0.07230I$ $b=\ \ 1.049440+0.751920I$	$-6.50161-3.43532I$	0
$u=\ \ 0.525187+1.081700I$ $a=-0.933857-0.281649I$ $b=-1.32858-2.50886I$	$-7.25143+8.54744I$	0
$u=\ \ 0.525187-1.081700I$ $a=-0.933857+0.281649I$ $b=-1.32858+2.50886I$	$-7.25143-8.54744I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.712644 + 0.341756I$ $a = -0.21836 - 1.50311I$ $b = 0.643598 + 0.074479I$	$-1.52072 - 2.26923I$	0
$u = 0.712644 - 0.341756I$ $a = -0.21836 + 1.50311I$ $b = 0.643598 - 0.074479I$	$-1.52072 + 2.26923I$	0
$u = -0.525379 + 0.582184I$ $a = 0.54907 - 1.51299I$ $b = -0.579011 + 0.139100I$	$2.19894 + 1.26322I$	0
$u = -0.525379 - 0.582184I$ $a = 0.54907 + 1.51299I$ $b = -0.579011 - 0.139100I$	$2.19894 - 1.26322I$	0
$u = -0.859778 + 0.860733I$ $a = 0.658030 - 0.528426I$ $b = -0.107268 - 1.240420I$	$-2.78266 - 3.12885I$	0
$u = -0.859778 - 0.860733I$ $a = 0.658030 + 0.528426I$ $b = -0.107268 + 1.240420I$	$-2.78266 + 3.12885I$	0
$u = -0.527489 + 1.101300I$ $a = -0.419554 - 1.005090I$ $b = -1.45388 + 0.58996I$	$-4.90983 - 6.67020I$	0
$u = -0.527489 - 1.101300I$ $a = -0.419554 + 1.005090I$ $b = -1.45388 - 0.58996I$	$-4.90983 + 6.67020I$	0
$u = 0.471133 + 1.131210I$ $a = 0.880267 + 0.323207I$ $b = 1.132990 + 0.613143I$	$-3.88849 + 2.05586I$	0
$u = 0.471133 - 1.131210I$ $a = 0.880267 - 0.323207I$ $b = 1.132990 - 0.613143I$	$-3.88849 - 2.05586I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.579422+0.512153I$ $a=\ \ 1.00187-1.02881I$ $b=-1.34355-0.90802I$	$-5.86736-1.39887I$	0
$u=-0.579422-0.512153I$ $a=\ \ 1.00187+1.02881I$ $b=-1.34355+0.90802I$	$-5.86736+1.39887I$	0
$u=\ \ 0.053170+1.225770I$ $a=\ \ 1.137180-0.055777I$ $b=\ \ 0.817211-0.231044I$	$-6.15003+2.90162I$	0
$u=\ \ 0.053170-1.225770I$ $a=\ \ 1.137180+0.055777I$ $b=\ \ 0.817211+0.231044I$	$-6.15003-2.90162I$	0
$u=\ \ 0.701424+0.307478I$ $a=\ \ 0.06651+1.81202I$ $b=-1.18853+0.89936I$	$-6.82429-2.85653I$	0
$u=\ \ 0.701424-0.307478I$ $a=\ \ 0.06651-1.81202I$ $b=-1.18853-0.89936I$	$-6.82429+2.85653I$	0
$u=\ \ 0.549154+1.108240I$ $a=-1.048510-0.197845I$ $b=-1.90432-1.36379I$	$-3.75841+7.08824I$	0
$u=\ \ 0.549154-1.108240I$ $a=-1.048510+0.197845I$ $b=-1.90432+1.36379I$	$-3.75841-7.08824I$	0
$u=-0.582775+1.091230I$ $a=\ \ 1.077360-0.243486I$ $b=\ \ 1.99437-1.26316I$	$-2.30958-12.09970I$	0
$u=-0.582775-1.091230I$ $a=\ \ 1.077360+0.243486I$ $b=\ \ 1.99437+1.26316I$	$-2.30958+12.09970I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.430894 + 0.626919I$ $a = -1.37526 + 1.12401I$ $b = -1.79430 - 0.33683I$	$3.82074 + 0.82584I$	$0. + 12.01862I$
$u = 0.430894 - 0.626919I$ $a = -1.37526 - 1.12401I$ $b = -1.79430 + 0.33683I$	$3.82074 - 0.82584I$	$0. - 12.01862I$
$u = 0.544274 + 1.118720I$ $a = 1.258340 - 0.038176I$ $b = 1.35788 + 2.04204I$	$-9.17036 + 7.63502I$	0
$u = 0.544274 - 1.118720I$ $a = 1.258340 + 0.038176I$ $b = 1.35788 - 2.04204I$	$-9.17036 - 7.63502I$	0
$u = 0.573792 + 1.109700I$ $a = 0.471409 - 0.912880I$ $b = 1.40115 + 0.63013I$	$-2.89817 + 12.95310I$	0
$u = 0.573792 - 1.109700I$ $a = 0.471409 + 0.912880I$ $b = 1.40115 - 0.63013I$	$-2.89817 - 12.95310I$	0
$u = -0.529490 + 1.149960I$ $a = -0.037521 + 0.588448I$ $b = 0.365654 - 0.315473I$	$-2.64992 - 0.78801I$	0
$u = -0.529490 - 1.149960I$ $a = -0.037521 - 0.588448I$ $b = 0.365654 + 0.315473I$	$-2.64992 + 0.78801I$	0
$u = 1.087160 + 0.649434I$ $a = -0.444462 - 0.644595I$ $b = 0.231242 - 0.767105I$	$0.962404 - 0.036766I$	0
$u = 1.087160 - 0.649434I$ $a = -0.444462 + 0.644595I$ $b = 0.231242 + 0.767105I$	$0.962404 + 0.036766I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.525759 + 1.164970I$ $a = -0.936976 - 0.122219I$ $b = -1.55915 - 1.42824I$	$-3.54285 + 6.48216I$	0
$u = 0.525759 - 1.164970I$ $a = -0.936976 + 0.122219I$ $b = -1.55915 + 1.42824I$	$-3.54285 - 6.48216I$	0
$u = 0.605869 + 1.134030I$ $a = 0.044865 + 0.603584I$ $b = -0.352910 - 0.346382I$	$-2.37094 + 5.39078I$	0
$u = 0.605869 - 1.134030I$ $a = 0.044865 - 0.603584I$ $b = -0.352910 + 0.346382I$	$-2.37094 - 5.39078I$	0
$u = -0.641450 + 0.306632I$ $a = 1.34181 + 0.49511I$ $b = 1.43513 - 0.09491I$	$-2.65046 + 2.10274I$	$0.40325 - 1.49584I$
$u = -0.641450 - 0.306632I$ $a = 1.34181 - 0.49511I$ $b = 1.43513 + 0.09491I$	$-2.65046 - 2.10274I$	$0.40325 + 1.49584I$
$u = 0.689595 + 0.143585I$ $a = 0.108239 - 1.368740I$ $b = 0.554669 - 0.104054I$	$-0.65665 - 1.83643I$	$-0.11295 + 4.32768I$
$u = 0.689595 - 0.143585I$ $a = 0.108239 + 1.368740I$ $b = 0.554669 + 0.104054I$	$-0.65665 + 1.83643I$	$-0.11295 - 4.32768I$
$u = -0.633703 + 1.130960I$ $a = -1.231030 + 0.134183I$ $b = -1.32148 + 1.85019I$	$-2.05043 - 10.81250I$	0
$u = -0.633703 - 1.130960I$ $a = -1.231030 - 0.134183I$ $b = -1.32148 - 1.85019I$	$-2.05043 + 10.81250I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.368550 + 0.597343I$ $a = 0.297253 + 0.844568I$ $b = 0.291132 - 0.649255I$	$-1.67598 + 1.25675I$	$-3.07060 + 0.96449I$
$u = 0.368550 - 0.597343I$ $a = 0.297253 - 0.844568I$ $b = 0.291132 + 0.649255I$	$-1.67598 - 1.25675I$	$-3.07060 - 0.96449I$
$u = -0.646623 + 0.225320I$ $a = -0.335863 - 0.412182I$ $b = -0.570590 + 0.265645I$	$1.43737 - 0.62625I$	$7.15445 + 1.17891I$
$u = -0.646623 - 0.225320I$ $a = -0.335863 + 0.412182I$ $b = -0.570590 - 0.265645I$	$1.43737 + 0.62625I$	$7.15445 - 1.17891I$
$u = 0.566560 + 0.366560I$ $a = -0.95301 - 1.40831I$ $b = 1.35305 - 0.44417I$	$-5.20625 - 4.11116I$	$-2.47779 + 3.46089I$
$u = 0.566560 - 0.366560I$ $a = -0.95301 + 1.40831I$ $b = 1.35305 + 0.44417I$	$-5.20625 + 4.11116I$	$-2.47779 - 3.46089I$
$u = -0.608177 + 1.180210I$ $a = -0.820478 + 0.346515I$ $b = -0.878124 + 0.653536I$	$-1.63073 - 6.57855I$	0
$u = -0.608177 - 1.180210I$ $a = -0.820478 - 0.346515I$ $b = -0.878124 - 0.653536I$	$-1.63073 + 6.57855I$	0
$u = -0.136962 + 0.647085I$ $a = -1.35124 - 0.63819I$ $b = 0.183116 + 0.844149I$	$0.82873 - 2.36583I$	$-3.98095 + 10.11766I$
$u = -0.136962 - 0.647085I$ $a = -1.35124 + 0.63819I$ $b = 0.183116 - 0.844149I$	$0.82873 + 2.36583I$	$-3.98095 - 10.11766I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.619893 + 1.198320I$ $a = 1.138640 + 0.082672I$ $b = 1.49587 + 1.83204I$	$-9.2508 + 13.3537I$	0
$u = 0.619893 - 1.198320I$ $a = 1.138640 - 0.082672I$ $b = 1.49587 - 1.83204I$	$-9.2508 - 13.3537I$	0
$u = -0.532624 + 0.349343I$ $a = -0.41146 + 2.02083I$ $b = 1.28393 + 1.02038I$	$-5.21882 - 3.18851I$	$-2.07626 + 2.93447I$
$u = -0.532624 - 0.349343I$ $a = -0.41146 - 2.02083I$ $b = 1.28393 - 1.02038I$	$-5.21882 + 3.18851I$	$-2.07626 - 2.93447I$
$u = 0.196299 + 1.355000I$ $a = -0.965259 - 0.378087I$ $b = -0.503409 - 0.176438I$	$-12.27760 - 3.77919I$	0
$u = 0.196299 - 1.355000I$ $a = -0.965259 + 0.378087I$ $b = -0.503409 + 0.176438I$	$-12.27760 + 3.77919I$	0
$u = -0.640733 + 1.213440I$ $a = -1.114010 + 0.100736I$ $b = -1.51924 + 1.77093I$	$-7.3734 - 19.4535I$	0
$u = -0.640733 - 1.213440I$ $a = -1.114010 - 0.100736I$ $b = -1.51924 - 1.77093I$	$-7.3734 + 19.4535I$	0
$u = -0.67898 + 1.25201I$ $a = 0.711820 - 0.144794I$ $b = 1.00800 - 1.17812I$	$-2.19931 - 4.86152I$	0
$u = -0.67898 - 1.25201I$ $a = 0.711820 + 0.144794I$ $b = 1.00800 + 1.17812I$	$-2.19931 + 4.86152I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.50181 + 1.34156I$ $a = -0.798398 + 0.031484I$ $b = -1.41214 - 1.05940I$	$-4.66830 + 4.99985I$	0
$u = 0.50181 - 1.34156I$ $a = -0.798398 - 0.031484I$ $b = -1.41214 + 1.05940I$	$-4.66830 - 4.99985I$	0
$u = -0.17091 + 1.42362I$ $a = 0.896537 - 0.330036I$ $b = 0.526780 - 0.111552I$	$-10.7752 + 9.3897I$	0
$u = -0.17091 - 1.42362I$ $a = 0.896537 + 0.330036I$ $b = 0.526780 + 0.111552I$	$-10.7752 - 9.3897I$	0
$u = 1.00653 + 1.04164I$ $a = -0.541332 - 0.403540I$ $b = -0.214952 - 0.974903I$	$-0.16056 + 7.37874I$	0
$u = 1.00653 - 1.04164I$ $a = -0.541332 + 0.403540I$ $b = -0.214952 + 0.974903I$	$-0.16056 - 7.37874I$	0
$u = -0.56499 + 1.36503I$ $a = 0.744900 + 0.011895I$ $b = 1.32344 - 1.01579I$	$-4.06489 - 9.60665I$	0
$u = -0.56499 - 1.36503I$ $a = 0.744900 - 0.011895I$ $b = 1.32344 + 1.01579I$	$-4.06489 + 9.60665I$	0

II.

$\boldsymbol{I_2^u = \langle -3.15\times 10^6 u^{35} + 3.88\times 10^6 u^{34} + \cdots + 1.72\times 10^6 b + 7.52\times 10^6,\ 1.03\times 10^7 u^{35} - 1.53\times 10^7 u^{34} + \cdots + 1.72\times 10^6 a - 6.02\times 10^6,\ u^{36} - u^{35} + \cdots + u + 1\rangle}$

(i) Arc colorings

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^2 + 1 \\ u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -5.95498u^{35} + 8.89118u^{34} + \cdots - 8.77859u + 3.48861 \\ 1.82455u^{35} - 2.24819u^{34} + \cdots + 4.41970u - 4.35984 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 4.59957u^{35} - 13.3028u^{34} + \cdots - 6.31804u - 3.67989 \\ -0.0628435u^{35} - 14.4329u^{34} + \cdots - 20.8746u - 10.4327 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -3.59479u^{35} + 2.95483u^{34} + \cdots - 5.76110u - 11.1871 \\ 2.08786u^{35} - 4.81507u^{34} + \cdots + 2.65315u - 7.45944 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 2.81251u^{35} - 2.58409u^{34} + \cdots + 8.16268u + 8.68835 \\ 0.793840u^{35} - 11.0376u^{34} + \cdots - 13.5385u - 6.99606 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -5.95498u^{35} + 8.89118u^{34} + \cdots - 7.77859u + 3.48861 \\ 1.82455u^{35} - 1.24819u^{34} + \cdots + 5.41970u - 3.35984 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 5.64016u^{35} - 6.46472u^{34} + \cdots - 4.62799u - 5.77954 \\ 4.69556u^{35} - 1.36263u^{34} + \cdots + 13.2129u + 5.15749 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -1.42158u^{35} - 8.55899u^{34} + \cdots + 0.265641u - 9.55947 \\ 4.87101u^{35} - 8.11443u^{34} + \cdots + 3.79319u + 1.51733 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= \frac{41645239}{1724315}u^{35} - \frac{9673393}{344863}u^{34} + \cdots - \frac{8262428}{1724315}u + \frac{4618806}{1724315}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{36} - 19u^{35} + \cdots - 25u + 1$
c_2	$u^{36} - u^{35} + \cdots + u + 1$
c_3	$u^{36} + 2u^{35} + \cdots + 4u + 1$
c_4	$u^{36} - 2u^{35} + \cdots - 6u + 1$
c_5	$u^{36} - u^{35} + \cdots + 16u^2 + 1$
c_6	$u^{36} + u^{35} + \cdots - u + 1$
c_7	$u^{36} - 13u^{35} + \cdots - 13u + 1$
c_8	$u^{36} + 2u^{35} + \cdots - 14u^2 + 1$
c_9	$u^{36} + u^{35} + \cdots + 16u^2 + 1$
c_{10}	$u^{36} + 22u^{35} + \cdots + 18u + 1$
c_{11}	$u^{36} - 2u^{35} + \cdots - 4u + 1$
c_{12}	$u^{36} - 2u^{35} + \cdots - 14u^2 + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{36} + 11y^{35} + \cdots - 39y + 1$
c_2, c_6	$y^{36} + 19y^{35} + \cdots + 25y + 1$
c_3, c_{11}	$y^{36} - 22y^{35} + \cdots - 18y + 1$
c_4	$y^{36} + 2y^{35} + \cdots + 22y + 1$
c_5, c_9	$y^{36} + 23y^{35} + \cdots + 32y + 1$
c_7	$y^{36} - 7y^{35} + \cdots - 39y + 1$
c_8, c_{12}	$y^{36} - 38y^{35} + \cdots - 28y + 1$
c_{10}	$y^{36} + 2y^{35} + \cdots + 18y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.267872 + 0.969144I$ $a = 1.310560 + 0.515277I$ $b = 0.572693 - 0.762159I$	$-8.47394 + 0.10484I$	$-8.00709 - 2.28501I$
$u = 0.267872 - 0.969144I$ $a = 1.310560 - 0.515277I$ $b = 0.572693 + 0.762159I$	$-8.47394 - 0.10484I$	$-8.00709 + 2.28501I$
$u = -0.311977 + 0.985891I$ $a = -1.24006 + 0.71430I$ $b = 0.018867 - 0.189152I$	$-7.24972 - 4.96839I$	$-2.65619 + 5.58522I$
$u = -0.311977 - 0.985891I$ $a = -1.24006 - 0.71430I$ $b = 0.018867 + 0.189152I$	$-7.24972 + 4.96839I$	$-2.65619 - 5.58522I$
$u = 0.247865 + 0.919721I$ $a = 1.46665 + 0.36943I$ $b = 1.73750 - 0.36260I$	$-8.26240 + 2.01908I$	$-5.39837 - 1.34689I$
$u = 0.247865 - 0.919721I$ $a = 1.46665 - 0.36943I$ $b = 1.73750 + 0.36260I$	$-8.26240 - 2.01908I$	$-5.39837 + 1.34689I$
$u = -0.270192 + 0.878505I$ $a = -1.66766 + 0.32956I$ $b = -1.73400 + 0.56304I$	$-6.79500 + 2.56150I$	$-3.78795 + 0.91855I$
$u = -0.270192 - 0.878505I$ $a = -1.66766 - 0.32956I$ $b = -1.73400 - 0.56304I$	$-6.79500 - 2.56150I$	$-3.78795 - 0.91855I$
$u = 0.483341 + 0.983469I$ $a = -0.446777 + 1.325560I$ $b = -1.51684 - 0.59207I$	$2.84973 + 2.80112I$	$7.55184 + 1.71261I$
$u = 0.483341 - 0.983469I$ $a = -0.446777 - 1.325560I$ $b = -1.51684 + 0.59207I$	$2.84973 - 2.80112I$	$7.55184 - 1.71261I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.648072+0.912270I$ $a=-0.282904+0.248794I$ $b=-0.211511-0.255401I$	$-1.38069-2.44610I$	$-0.27055+2.92110I$
$u=-0.648072-0.912270I$ $a=-0.282904-0.248794I$ $b=-0.211511+0.255401I$	$-1.38069+2.44610I$	$-0.27055-2.92110I$
$u=-0.846010+0.032787I$ $a=-0.417181-1.119950I$ $b=-0.482815-0.467073I$	$1.05511+2.50002I$	$4.90460-3.96828I$
$u=-0.846010-0.032787I$ $a=-0.417181+1.119950I$ $b=-0.482815+0.467073I$	$1.05511-2.50002I$	$4.90460+3.96828I$
$u=0.468457+0.696657I$ $a=1.07826-1.06153I$ $b=1.74977+0.07775I$	$3.82341+1.13526I$	$0.69227-13.44028I$
$u=0.468457-0.696657I$ $a=1.07826+1.06153I$ $b=1.74977-0.07775I$	$3.82341-1.13526I$	$0.69227+13.44028I$
$u=-0.574405+1.017030I$ $a=-0.217450+0.444606I$ $b=0.199350-0.274988I$	$-1.43817-2.50681I$	$-0.96440+2.41655I$
$u=-0.574405-1.017030I$ $a=-0.217450-0.444606I$ $b=0.199350+0.274988I$	$-1.43817+2.50681I$	$-0.96440-2.41655I$
$u=-0.431085+1.088440I$ $a=0.787248+0.108685I$ $b=1.38856-1.96753I$	$-5.49826-2.89325I$	$-3.34806+4.01768I$
$u=-0.431085-1.088440I$ $a=0.787248-0.108685I$ $b=1.38856+1.96753I$	$-5.49826+2.89325I$	$-3.34806-4.01768I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.059560 + 0.515855I$ $a = 0.463742 + 0.525646I$ $b = 0.362385 + 0.278926I$	$1.85907 + 0.26551I$	$10.23111 - 3.19118I$
$u = 1.059560 - 0.515855I$ $a = 0.463742 - 0.525646I$ $b = 0.362385 - 0.278926I$	$1.85907 - 0.26551I$	$10.23111 + 3.19118I$
$u = -0.321307 + 0.706504I$ $a = 0.468453 - 0.763994I$ $b = -1.97938 - 0.52466I$	$-3.97544 - 0.27399I$	$0.72270 + 1.34695I$
$u = -0.321307 - 0.706504I$ $a = 0.468453 + 0.763994I$ $b = -1.97938 + 0.52466I$	$-3.97544 + 0.27399I$	$0.72270 - 1.34695I$
$u = 0.420145 + 1.159460I$ $a = -0.804920 + 0.027986I$ $b = -1.77304 - 1.74365I$	$-5.41877 + 8.35501I$	$-3.84738 - 9.47959I$
$u = 0.420145 - 1.159460I$ $a = -0.804920 - 0.027986I$ $b = -1.77304 + 1.74365I$	$-5.41877 - 8.35501I$	$-3.84738 + 9.47959I$
$u = 0.243059 + 0.668327I$ $a = -0.750616 - 0.845989I$ $b = 2.21273 + 0.08566I$	$-3.35944 - 5.51600I$	$2.83988 + 4.70708I$
$u = 0.243059 - 0.668327I$ $a = -0.750616 + 0.845989I$ $b = 2.21273 - 0.08566I$	$-3.35944 + 5.51600I$	$2.83988 - 4.70708I$
$u = 0.916085 + 1.011850I$ $a = 0.384105 + 0.345387I$ $b = 0.182528 + 0.118997I$	$0.51910 + 6.78058I$	$0. - 5.65370I$
$u = 0.916085 - 1.011850I$ $a = 0.384105 - 0.345387I$ $b = 0.182528 - 0.118997I$	$0.51910 - 6.78058I$	$0. + 5.65370I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.649456+1.213320I$ $a=\ 0.896490-0.212391I$ $b=\ 1.07185-1.25529I$	$-2.21938-8.11542I$	$0.+8.67111I$
$u=-0.649456-1.213320I$ $a=\ 0.896490+0.212391I$ $b=\ 1.07185+1.25529I$	$-2.21938+8.11542I$	$0.-8.67111I$
$u=\ 0.536844+1.287200I$ $a=-0.806837-0.102877I$ $b=-1.42362-1.08127I$	$-3.22237+5.19860I$	0
$u=\ 0.536844-1.287200I$ $a=-0.806837+0.102877I$ $b=-1.42362+1.08127I$	$-3.22237-5.19860I$	0
$u=-0.090728+0.429131I$ $a=-2.22110-0.68573I$ $b=\ 0.124980+0.981872I$	$1.12900-1.96865I$	$5.96224-1.18713I$
$u=-0.090728-0.429131I$ $a=-2.22110+0.68573I$ $b=\ 0.124980-0.981872I$	$1.12900+1.96865I$	$5.96224+1.18713I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{36}-19u^{35}+\cdots-25u+1)$ $\cdot(u^{148}+72u^{147}+\cdots+11695261u+491401)$
c_2	$(u^{36}-u^{35}+\cdots+u+1)(u^{148}-2u^{147}+\cdots-2531u+701)$
c_3	$(u^{36}+2u^{35}+\cdots+4u+1)(u^{148}-3u^{147}+\cdots+448u+79)$
c_4	$(u^{36}-2u^{35}+\cdots-6u+1)(u^{148}-11u^{147}+\cdots-304766u+12641)$
c_5	$(u^{36}-u^{35}+\cdots+16u^2+1)(u^{148}-2u^{147}+\cdots+323478u+28447)$
c_6	$(u^{36}+u^{35}+\cdots-u+1)(u^{148}-2u^{147}+\cdots-2531u+701)$
c_7	$(u^{36}-13u^{35}+\cdots-13u+1)$ $\cdot(u^{148}-6u^{147}+\cdots-95114195u+15948193)$
c_8	$(u^{36}+2u^{35}+\cdots-14u^2+1)(u^{148}+3u^{147}+\cdots-4435300u+230749)$
c_9	$(u^{36}+u^{35}+\cdots+16u^2+1)(u^{148}-2u^{147}+\cdots+323478u+28447)$
c_{10}	$(u^{36}+22u^{35}+\cdots+18u+1)(u^{148}-65u^{147}+\cdots-211290u+6241)$
c_{11}	$(u^{36}-2u^{35}+\cdots-4u+1)(u^{148}-3u^{147}+\cdots+448u+79)$
c_{12}	$(u^{36}-2u^{35}+\cdots-14u^2+1)(u^{148}+3u^{147}+\cdots-4435300u+230749)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{36}+11y^{35}+\cdots-39y+1)$ $\cdot(y^{148}+24y^{147}+\cdots+6272879625617y+241474942801)$
c_2, c_6	$(y^{36}+19y^{35}+\cdots+25y+1)$ $\cdot(y^{148}+72y^{147}+\cdots+11695261y+491401)$
c_3, c_{11}	$(y^{36}-22y^{35}+\cdots-18y+1)(y^{148}-65y^{147}+\cdots-211290y+6241)$
c_4	$(y^{36}+2y^{35}+\cdots+22y+1)$ $\cdot(y^{148}-21y^{147}+\cdots+6938479434y+159794881)$
c_5, c_9	$(y^{36}+23y^{35}+\cdots+32y+1)$ $\cdot(y^{148}+100y^{147}+\cdots+19545541408y+809231809)$
c_7	$(y^{36}-7y^{35}+\cdots-39y+1)$ $\cdot(y^{148}-54y^{147}+\cdots-12238567626382887y+254344859965249)$
c_8, c_{12}	$(y^{36}-38y^{35}+\cdots-28y+1)$ $\cdot(y^{148}-121y^{147}+\cdots-6894134371112y+53245101001)$
c_{10}	$(y^{36}+2y^{35}+\cdots+18y+1)$ $\cdot(y^{148}+55y^{147}+\cdots+170947586y+38950081)$