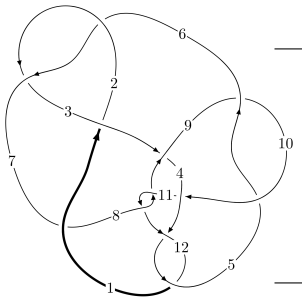
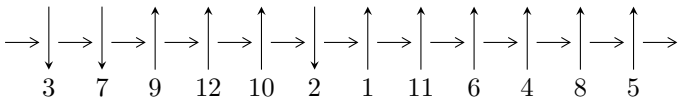
$12a_{0609}$ $(K12a_{0609})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned} I_1^u = \langle & -7.11550 \times 10^{270} u^{147} + 2.34975 \times 10^{270} u^{146} + \cdots + 7.83329 \times 10^{269} b + 1.17176 \times 10^{272}, \\ & 2.42818 \times 10^{272} u^{147} - 8.26249 \times 10^{271} u^{146} + \cdots + 8.61662 \times 10^{270} a - 3.99086 \times 10^{273}, \\ & u^{148} - u^{147} + \cdots - 28u + 11 \rangle \\ I_2^u = \langle & u^{36} - 6u^{35} + \cdots + b + 5,\ -28u^{36} + 22u^{35} + \cdots + a - 30,\ u^{37} - 10u^{35} + \cdots - 7u^2 + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 185 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. $\boldsymbol{I_1^u = \langle -7.12 \times 10^{270} u^{147} + 2.35 \times 10^{270} u^{146} + \cdots + 7.83 \times 10^{269} b + 1.17 \times 10^{272},\ 2.43 \times 10^{272} u^{147} - 8.26 \times 10^{271} u^{146} + \cdots + 8.62 \times 10^{270} a - 3.99 \times 10^{273},\ u^{148} - u^{147} + \cdots - 28u + 11 \rangle}$

(i) Arc colorings

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

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

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

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

$$a_9 = \begin{pmatrix} -28.1802u^{147} + 9.58902u^{146} + \cdots - 500.278u + 463.158 \\ 9.08367u^{147} - 2.99969u^{146} + \cdots + 149.153u - 149.588 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 28.9466u^{147} - 7.64764u^{146} + \cdots + 511.326u - 413.056 \\ 1.87191u^{147} + 0.474465u^{146} + \cdots + 37.3094u - 3.29970 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -19.0965u^{147} + 6.58932u^{146} + \cdots - 351.125u + 313.570 \\ 9.08367u^{147} - 2.99969u^{146} + \cdots + 149.153u - 149.588 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -1.63584u^{147} + 2.74753u^{146} + \cdots - 9.74895u + 59.5619 \\ 9.74060u^{147} - 3.27722u^{146} + \cdots + 170.925u - 160.730 \end{pmatrix}$$

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

$$a_5 = \begin{pmatrix} 19.2042u^{147} - 3.52906u^{146} + \cdots + 360.206u - 255.473 \\ -15.6776u^{147} + 5.49972u^{146} + \cdots - 272.591u + 266.188 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} u^6 - u^4 + 1 \\ u^8 - 2u^6 + 2u^4 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -4.32037u^{147} + 0.0334826u^{146} + \cdots - 91.4009u + 53.4061 \\ -10.0898u^{147} + 3.69835u^{146} + \cdots - 173.459u + 173.267 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 170.660u^{147} - 53.4676u^{146} + \cdots + 2947.57u - 2741.52$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{148} + 77u^{147} + \cdots + 2082u + 121$
c_2, c_6	$u^{148} - u^{147} + \cdots - 28u + 11$
c_3	$u^{148} - u^{147} + \cdots - 437764162u + 31663951$
c_4, c_{12}	$u^{148} - 41u^{146} + \cdots - 1867u - 457$
c_5, c_9	$u^{148} - 2u^{147} + \cdots - 20681u - 4913$
c_7	$u^{148} - 3u^{147} + \cdots - 52130042u + 4546267$
c_8, c_{11}	$u^{148} + 6u^{147} + \cdots + 147861u + 10043$
c_{10}	$u^{148} + u^{147} + \cdots - 171710u - 36269$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{148} - 5y^{147} + \cdots - 428602y + 14641$
c_2, c_6	$y^{148} - 77y^{147} + \cdots - 2082y + 121$
c_3	$y^{148} + 59y^{147} + \cdots - 106286132462952552y + 1002605792930401$
c_4, c_{12}	$y^{148} - 82y^{147} + \cdots - 21312345y + 208849$
c_5, c_9	$y^{148} + 98y^{147} + \cdots + 311191787y + 24137569$
c_7	$y^{148} + 87y^{147} + \cdots + 203578457803668y + 20668543635289$
c_8, c_{11}	$y^{148} + 90y^{147} + \cdots + 2708328479y + 100861849$
c_{10}	$y^{148} + 23y^{147} + \cdots - 9866857228y + 1315440361$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.801882+0.564876I$ $a=-1.98309-1.20150I$ $b=\ \ 0.201767+1.107530I$	$-4.17373+5.78306I$	0
$u=-0.801882-0.564876I$ $a=-1.98309+1.20150I$ $b=\ \ 0.201767-1.107530I$	$-4.17373-5.78306I$	0
$u=\ \ 0.753591+0.626874I$ $a=\ \ 0.185539-1.185390I$ $b=\ \ 0.497327+0.904516I$	$2.94244+1.46559I$	0
$u=\ \ 0.753591-0.626874I$ $a=\ \ 0.185539+1.185390I$ $b=\ \ 0.497327-0.904516I$	$2.94244-1.46559I$	0
$u=\ \ 0.819922+0.622130I$ $a=\ \ 1.49093-0.46144I$ $b=-0.591941+1.046700I$	$2.73613-6.32545I$	0
$u=\ \ 0.819922-0.622130I$ $a=\ \ 1.49093+0.46144I$ $b=-0.591941-1.046700I$	$2.73613+6.32545I$	0
$u=\ \ 0.949221+0.199178I$ $a=-1.89330-0.09556I$ $b=\ \ 0.727956-0.713865I$	$-3.20129-5.06040I$	0
$u=\ \ 0.949221-0.199178I$ $a=-1.89330+0.09556I$ $b=\ \ 0.727956+0.713865I$	$-3.20129+5.06040I$	0
$u=-0.965652+0.381043I$ $a=-0.082316+0.291581I$ $b=\ \ 0.278548-0.430341I$	$-1.50408+1.47661I$	0
$u=-0.965652-0.381043I$ $a=-0.082316-0.291581I$ $b=\ \ 0.278548+0.430341I$	$-1.50408-1.47661I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.032450+0.117025I$ $a=-0.356571-0.269265I$ $b=\ \ 0.461349+0.517094I$	$-3.46852-0.71657I$	0
$u=-1.032450-0.117025I$ $a=-0.356571+0.269265I$ $b=\ \ 0.461349-0.517094I$	$-3.46852+0.71657I$	0
$u=-0.722106+0.626635I$ $a=-1.101530+0.062706I$ $b=\ \ 0.826797-0.355727I$	$1.99222+6.26430I$	0
$u=-0.722106-0.626635I$ $a=-1.101530-0.062706I$ $b=\ \ 0.826797+0.355727I$	$1.99222-6.26430I$	0
$u=-0.918255+0.497223I$ $a=-1.42108+1.16642I$ $b=\ \ 0.861920+0.742199I$	$3.60069+3.57734I$	0
$u=-0.918255-0.497223I$ $a=-1.42108-1.16642I$ $b=\ \ 0.861920-0.742199I$	$3.60069-3.57734I$	0
$u=\ \ 0.950293+0.434823I$ $a=-1.34910-0.73463I$ $b=\ \ 0.557261-0.168149I$	$-0.39596-3.88277I$	0
$u=\ \ 0.950293-0.434823I$ $a=-1.34910+0.73463I$ $b=\ \ 0.557261+0.168149I$	$-0.39596+3.88277I$	0
$u=-0.448329+0.840026I$ $a=\ \ 0.421644-0.849882I$ $b=-0.194488+1.268240I$	$-2.82616-2.12943I$	0
$u=-0.448329-0.840026I$ $a=\ \ 0.421644+0.849882I$ $b=-0.194488-1.268240I$	$-2.82616+2.12943I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.333726+1.007330I$ $a=-0.120235+0.741241I$ $b=\ \ 0.095350-1.282620I$	$-3.75918-2.82637I$	0
$u=-0.333726-1.007330I$ $a=-0.120235-0.741241I$ $b=\ \ 0.095350+1.282620I$	$-3.75918+2.82637I$	0
$u=-0.859504+0.623047I$ $a=\ \ 1.11434-0.94865I$ $b=-0.602274-0.505888I$	$1.60311-1.40810I$	0
$u=-0.859504-0.623047I$ $a=\ \ 1.11434+0.94865I$ $b=-0.602274+0.505888I$	$1.60311+1.40810I$	0
$u=\ \ 0.115334+1.057600I$ $a=-0.279424-0.411326I$ $b=\ \ 0.031526+1.026900I$	$-4.73792+0.18945I$	0
$u=\ \ 0.115334-1.057600I$ $a=-0.279424+0.411326I$ $b=\ \ 0.031526-1.026900I$	$-4.73792-0.18945I$	0
$u=\ \ 0.247947+0.901431I$ $a=-1.116440-0.780764I$ $b=\ \ 0.57458+1.36111I$	$-4.3204+13.9557I$	0
$u=\ \ 0.247947-0.901431I$ $a=-1.116440+0.780764I$ $b=\ \ 0.57458-1.36111I$	$-4.3204-13.9557I$	0
$u=-0.724944+0.522800I$ $a=\ \ 1.18389+0.92493I$ $b=-0.176138-0.961064I$	$-1.19364+2.08514I$	0
$u=-0.724944-0.522800I$ $a=\ \ 1.18389-0.92493I$ $b=-0.176138+0.961064I$	$-1.19364-2.08514I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.759102+0.461625I$ $a=-0.32697-1.90410I$ $b=\ \ 0.047807+1.073240I$	$-4.01726-1.52458I$	0
$u=-0.759102-0.461625I$ $a=-0.32697+1.90410I$ $b=\ \ 0.047807-1.073240I$	$-4.01726+1.52458I$	0
$u=-0.996847+0.518156I$ $a=-0.515323+0.715296I$ $b=\ \ 0.575549-0.924658I$	$-1.260890+0.226294I$	0
$u=-0.996847-0.518156I$ $a=-0.515323-0.715296I$ $b=\ \ 0.575549+0.924658I$	$-1.260890-0.226294I$	0
$u=-1.115870+0.152069I$ $a=-0.241236-0.379829I$ $b=-0.051143-1.079750I$	$-2.92928+2.44675I$	0
$u=-1.115870-0.152069I$ $a=-0.241236+0.379829I$ $b=-0.051143+1.079750I$	$-2.92928-2.44675I$	0
$u=\ \ 1.083390+0.374604I$ $a=\ \ 0.677527+0.958052I$ $b=\ \ 0.18251+1.54932I$	$-6.85236+0.13574I$	0
$u=\ \ 1.083390-0.374604I$ $a=\ \ 0.677527-0.958052I$ $b=\ \ 0.18251-1.54932I$	$-6.85236-0.13574I$	0
$u=\ \ 0.204334+0.826121I$ $a=\ \ 1.124900+0.715403I$ $b=-0.61938-1.35395I$	$-0.51756+7.81284I$	0
$u=\ \ 0.204334-0.826121I$ $a=\ \ 1.124900-0.715403I$ $b=-0.61938+1.35395I$	$-0.51756-7.81284I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.113590 + 0.291888I$ $a = 0.293297 + 1.021440I$ $b = 0.159837 + 1.392530I$	$-7.03383 + 0.08971I$	0
$u = 1.113590 - 0.291888I$ $a = 0.293297 - 1.021440I$ $b = 0.159837 - 1.392530I$	$-7.03383 - 0.08971I$	0
$u = 0.432270 + 0.720324I$ $a = 0.611532 - 1.000840I$ $b = -0.286130 + 0.372349I$	$1.19324 + 2.46533I$	0
$u = 0.432270 - 0.720324I$ $a = 0.611532 + 1.000840I$ $b = -0.286130 - 0.372349I$	$1.19324 - 2.46533I$	0
$u = -0.210776 + 0.813138I$ $a = -1.45325 + 0.79425I$ $b = 0.439344 - 1.255070I$	$-7.18334 - 7.02861I$	0
$u = -0.210776 - 0.813138I$ $a = -1.45325 - 0.79425I$ $b = 0.439344 + 1.255070I$	$-7.18334 + 7.02861I$	0
$u = 0.781945 + 0.857312I$ $a = -0.101971 + 0.902087I$ $b = -0.312973 - 1.056760I$	$-0.06242 + 4.94279I$	0
$u = 0.781945 - 0.857312I$ $a = -0.101971 - 0.902087I$ $b = -0.312973 + 1.056760I$	$-0.06242 - 4.94279I$	0
$u = 0.026933 + 0.836326I$ $a = -1.049010 - 0.576149I$ $b = 0.625028 + 1.186720I$	$-6.07873 + 2.17643I$	0
$u = 0.026933 - 0.836326I$ $a = -1.049010 + 0.576149I$ $b = 0.625028 - 1.186720I$	$-6.07873 - 2.17643I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.089850+0.408220I$ $a=\ 0.637757-0.676371I$ $b=-0.700513+0.898650I$	$-1.29393+0.96563I$	0
$u=-1.089850-0.408220I$ $a=\ 0.637757+0.676371I$ $b=-0.700513-0.898650I$	$-1.29393-0.96563I$	0
$u=\ 1.100130+0.385626I$ $a=\ 1.40067+2.02165I$ $b=\ 0.032025+1.022240I$	$-3.99476+2.05581I$	0
$u=\ 1.100130-0.385626I$ $a=\ 1.40067-2.02165I$ $b=\ 0.032025-1.022240I$	$-3.99476-2.05581I$	0
$u=\ 0.875901+0.772682I$ $a=-1.274370+0.495646I$ $b=\ 0.439542-1.121260I$	$-0.39615-10.89840I$	0
$u=\ 0.875901-0.772682I$ $a=-1.274370-0.495646I$ $b=\ 0.439542+1.121260I$	$-0.39615+10.89840I$	0
$u=\ 0.492360+0.668072I$ $a=\ 1.000830+0.736488I$ $b=-0.436862-0.283519I$	$1.53421-0.23768I$	0
$u=\ 0.492360-0.668072I$ $a=\ 1.000830-0.736488I$ $b=-0.436862+0.283519I$	$1.53421+0.23768I$	0
$u=\ 1.047440+0.555613I$ $a=-1.087820-0.185331I$ $b=\ 0.478821-0.312236I$	$-0.11027-4.51657I$	0
$u=\ 1.047440-0.555613I$ $a=-1.087820+0.185331I$ $b=\ 0.478821+0.312236I$	$-0.11027+4.51657I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.433187 + 0.680149I$ $a = 0.528844 + 1.295920I$ $b = 0.022821 - 0.691902I$	$1.67106 - 0.48268I$	0
$u = 0.433187 - 0.680149I$ $a = 0.528844 - 1.295920I$ $b = 0.022821 + 0.691902I$	$1.67106 + 0.48268I$	0
$u = -0.240264 + 0.766217I$ $a = -1.68880 + 0.13667I$ $b = 1.163530 + 0.077343I$	$-0.25443 - 7.84410I$	0
$u = -0.240264 - 0.766217I$ $a = -1.68880 - 0.13667I$ $b = 1.163530 - 0.077343I$	$-0.25443 + 7.84410I$	0
$u = 1.129290 + 0.397204I$ $a = -0.59756 - 1.42716I$ $b = 1.333640 - 0.128607I$	$-0.28445 - 2.28003I$	0
$u = 1.129290 - 0.397204I$ $a = -0.59756 + 1.42716I$ $b = 1.333640 + 0.128607I$	$-0.28445 + 2.28003I$	0
$u = -0.630802 + 0.496059I$ $a = 1.212270 - 0.453506I$ $b = -1.040690 + 0.562959I$	$4.44277 + 0.54060I$	0
$u = -0.630802 - 0.496059I$ $a = 1.212270 + 0.453506I$ $b = -1.040690 - 0.562959I$	$4.44277 - 0.54060I$	0
$u = 1.158480 + 0.321521I$ $a = 0.330875 + 0.959728I$ $b = -1.147530 - 0.154773I$	$-4.43528 + 4.50982I$	0
$u = 1.158480 - 0.321521I$ $a = 0.330875 - 0.959728I$ $b = -1.147530 + 0.154773I$	$-4.43528 - 4.50982I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.059780 + 0.571412I$ $a = -1.35632 + 0.45880I$ $b = 0.170067 - 0.674015I$	$-0.13946 - 4.36646I$	0
$u = 1.059780 - 0.571412I$ $a = -1.35632 - 0.45880I$ $b = 0.170067 + 0.674015I$	$-0.13946 + 4.36646I$	0
$u = 1.106090 + 0.508945I$ $a = 1.49832 + 0.02977I$ $b = -0.719961 + 0.618121I$	$-0.54021 - 6.34086I$	0
$u = 1.106090 - 0.508945I$ $a = 1.49832 - 0.02977I$ $b = -0.719961 - 0.618121I$	$-0.54021 + 6.34086I$	0
$u = -1.136940 + 0.443245I$ $a = 0.62455 - 1.53720I$ $b = -0.152187 - 1.152130I$	$-2.37651 + 5.08383I$	0
$u = -1.136940 - 0.443245I$ $a = 0.62455 + 1.53720I$ $b = -0.152187 + 1.152130I$	$-2.37651 - 5.08383I$	0
$u = 1.077500 + 0.580475I$ $a = 0.184332 - 1.015030I$ $b = 0.221785 + 0.414699I$	$-0.70142 - 7.44159I$	0
$u = 1.077500 - 0.580475I$ $a = 0.184332 + 1.015030I$ $b = 0.221785 - 0.414699I$	$-0.70142 + 7.44159I$	0
$u = -1.117770 + 0.510399I$ $a = -1.58452 + 1.63949I$ $b = 0.230218 + 1.150580I$	$-3.07745 + 9.56188I$	0
$u = -1.117770 - 0.510399I$ $a = -1.58452 - 1.63949I$ $b = 0.230218 - 1.150580I$	$-3.07745 - 9.56188I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.142330 + 0.454417I$ $a = -1.69292 - 1.04413I$ $b = 0.056090 - 0.996161I$	$-2.28746 - 2.85100I$	0
$u = 1.142330 - 0.454417I$ $a = -1.69292 + 1.04413I$ $b = 0.056090 + 0.996161I$	$-2.28746 + 2.85100I$	0
$u = 1.145310 + 0.447419I$ $a = -0.768700 - 0.149089I$ $b = -0.45578 - 1.63998I$	$-8.58012 - 5.99056I$	0
$u = 1.145310 - 0.447419I$ $a = -0.768700 + 0.149089I$ $b = -0.45578 + 1.63998I$	$-8.58012 + 5.99056I$	0
$u = -1.151020 + 0.451397I$ $a = 2.00793 - 0.77488I$ $b = -0.59356 - 1.46220I$	$-8.54612 + 2.06131I$	0
$u = -1.151020 - 0.451397I$ $a = 2.00793 + 0.77488I$ $b = -0.59356 + 1.46220I$	$-8.54612 - 2.06131I$	0
$u = 0.761864$ $a = 1.98239$ $b = 0.218074$	1.42241	5.79160
$u = -1.138650 + 0.496957I$ $a = -0.330158 + 1.160040I$ $b = 1.41673 - 0.30344I$	$0.43905 + 5.57916I$	0
$u = -1.138650 - 0.496957I$ $a = -0.330158 - 1.160040I$ $b = 1.41673 + 0.30344I$	$0.43905 - 5.57916I$	0
$u = -1.172170 + 0.413704I$ $a = 0.444061 - 0.438419I$ $b = -0.896065 + 0.153269I$	$-6.88361 + 1.34143I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.172170-0.413704I$ $a=\ \ 0.444061+0.438419I$ $b=-0.896065-0.153269I$	$-6.88361-1.34143I$	0
$u=-0.524665+0.541827I$ $a=\ \ 2.43851+0.12852I$ $b=-0.494509-0.942321I$	$0.11534+4.09815I$	$6.00000-7.12333I$
$u=-0.524665-0.541827I$ $a=\ \ 2.43851-0.12852I$ $b=-0.494509+0.942321I$	$0.11534-4.09815I$	$6.00000+7.12333I$
$u=-1.136170+0.518437I$ $a=-2.10631+0.65979I$ $b=\ \ 0.42174+1.36917I$	$-5.67172+7.75931I$	0
$u=-1.136170-0.518437I$ $a=-2.10631-0.65979I$ $b=\ \ 0.42174-1.36917I$	$-5.67172-7.75931I$	0
$u=\ \ 0.740640+0.107202I$ $a=-3.37308-0.25178I$ $b=\ \ 0.015655+0.554283I$	$-1.91615-4.38338I$	$1.49561+1.53528I$
$u=\ \ 0.740640-0.107202I$ $a=-3.37308+0.25178I$ $b=\ \ 0.015655-0.554283I$	$-1.91615+4.38338I$	$1.49561-1.53528I$
$u=-0.242014+0.707472I$ $a=\ \ 1.15107-0.82698I$ $b=-0.323365+1.289570I$	$-3.08762-3.10115I$	$4.48962+2.18486I$
$u=-0.242014-0.707472I$ $a=\ \ 1.15107+0.82698I$ $b=-0.323365-1.289570I$	$-3.08762+3.10115I$	$4.48962-2.18486I$
$u=\ \ 1.213900+0.322446I$ $a=\ \ 0.048458-0.542706I$ $b=-0.406134-1.353640I$	$-11.57340+3.34011I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.213900 - 0.322446I$ $a = 0.048458 + 0.542706I$ $b = -0.406134 + 1.353640I$	$-11.57340 - 3.34011I$	0
$u = 1.169180 + 0.470625I$ $a = 0.745459 + 0.975429I$ $b = -0.838286 - 0.086501I$	$-6.48682 - 7.03755I$	0
$u = 1.169180 - 0.470625I$ $a = 0.745459 - 0.975429I$ $b = -0.838286 + 0.086501I$	$-6.48682 + 7.03755I$	0
$u = -1.219920 + 0.328287I$ $a = 0.493037 - 0.520521I$ $b = 0.50711 - 1.40110I$	$-4.92688 - 4.04995I$	0
$u = -1.219920 - 0.328287I$ $a = 0.493037 + 0.520521I$ $b = 0.50711 + 1.40110I$	$-4.92688 + 4.04995I$	0
$u = -1.122330 + 0.591886I$ $a = -1.82644 + 0.36240I$ $b = 0.262115 + 1.337110I$	$-4.92956 + 7.44417I$	0
$u = -1.122330 - 0.591886I$ $a = -1.82644 - 0.36240I$ $b = 0.262115 - 1.337110I$	$-4.92956 - 7.44417I$	0
$u = 0.067798 + 0.726970I$ $a = -1.44135 + 0.31358I$ $b = 0.751232 + 0.054484I$	$-3.33724 + 2.64401I$	$4.17021 - 2.51461I$
$u = 0.067798 - 0.726970I$ $a = -1.44135 - 0.31358I$ $b = 0.751232 - 0.054484I$	$-3.33724 - 2.64401I$	$4.17021 + 2.51461I$
$u = -1.157500 + 0.536981I$ $a = 0.716087 - 1.064760I$ $b = -1.290310 + 0.071616I$	$-2.94521 + 12.72790I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.157500-0.536981I$ $a=\ \ 0.716087+1.064760I$ $b=-1.290310-0.071616I$	$-2.94521-12.72790I$	0
$u=\ \ 1.276300+0.174637I$ $a=-0.332097-0.725962I$ $b=\ \ 0.044430-1.387700I$	$-9.62155-0.77584I$	0
$u=\ \ 1.276300-0.174637I$ $a=-0.332097+0.725962I$ $b=\ \ 0.044430+1.387700I$	$-9.62155+0.77584I$	0
$u=-1.178100+0.541918I$ $a=\ \ 2.15590-0.59533I$ $b=-0.508755-1.264260I$	$-10.0408+12.0354I$	0
$u=-1.178100-0.541918I$ $a=\ \ 2.15590+0.59533I$ $b=-0.508755+1.264260I$	$-10.0408-12.0354I$	0
$u=\ \ 1.185720+0.541795I$ $a=-1.87506-0.85931I$ $b=\ \ 0.66336-1.41754I$	$-3.42992-12.85340I$	0
$u=\ \ 1.185720-0.541795I$ $a=-1.87506+0.85931I$ $b=\ \ 0.66336+1.41754I$	$-3.42992+12.85340I$	0
$u=\ \ 0.695320$ $a=\ \ 2.47142$ $b=-1.15814$	2.41384	-14.1360
$u=\ \ 1.221690+0.472820I$ $a=\ \ 1.47822+0.95527I$ $b=-0.697374+1.219010I$	$-9.63551-6.85706I$	0
$u=\ \ 1.221690-0.472820I$ $a=\ \ 1.47822-0.95527I$ $b=-0.697374-1.219010I$	$-9.63551+6.85706I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.281430+0.273869I$ $a=-0.178770+0.518702I$ $b=-0.47965+1.39577I$	$-9.34194-10.08950I$	0
$u=-1.281430-0.273869I$ $a=-0.178770-0.518702I$ $b=-0.47965-1.39577I$	$-9.34194+10.08950I$	0
$u=-1.236250+0.440992I$ $a=-0.473911+0.065980I$ $b=-0.579215+1.255340I$	$-9.87580+2.35380I$	0
$u=-1.236250-0.440992I$ $a=-0.473911-0.065980I$ $b=-0.579215-1.255340I$	$-9.87580-2.35380I$	0
$u=-0.266229+0.615904I$ $a=1.08528+0.97445I$ $b=-0.274587+1.028270I$	$-0.65463-5.10691I$	$5.77736+7.52073I$
$u=-0.266229-0.615904I$ $a=1.08528-0.97445I$ $b=-0.274587-1.028270I$	$-0.65463+5.10691I$	$5.77736-7.52073I$
$u=-0.186098+0.644196I$ $a=1.70791-0.01558I$ $b=-1.285140-0.301029I$	$3.12787-1.15295I$	$5.18234+6.54015I$
$u=-0.186098-0.644196I$ $a=1.70791+0.01558I$ $b=-1.285140+0.301029I$	$3.12787+1.15295I$	$5.18234-6.54015I$
$u=1.200520+0.578049I$ $a=1.92727+0.67817I$ $b=-0.61315+1.40679I$	$-7.1990-19.3509I$	0
$u=1.200520-0.578049I$ $a=1.92727-0.67817I$ $b=-0.61315-1.40679I$	$-7.1990+19.3509I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.341069 + 0.567524I$ $a = -0.99655 - 2.03848I$ $b = 0.500952 + 0.659786I$	$1.70324 + 1.95713I$	$7.50961 - 4.73400I$
$u = 0.341069 - 0.567524I$ $a = -0.99655 + 2.03848I$ $b = 0.500952 - 0.659786I$	$1.70324 - 1.95713I$	$7.50961 + 4.73400I$
$u = 0.624597 + 0.171495I$ $a = -0.267183 + 0.747969I$ $b = 0.08389 + 1.57642I$	$-5.02082 - 2.85082I$	$9.55604 + 4.35953I$
$u = 0.624597 - 0.171495I$ $a = -0.267183 - 0.747969I$ $b = 0.08389 - 1.57642I$	$-5.02082 + 2.85082I$	$9.55604 - 4.35953I$
$u = -0.025547 + 0.628573I$ $a = -1.39066 + 1.08240I$ $b = 0.41101 - 1.46586I$	$-5.47477 + 2.01722I$	$2.82900 - 3.32773I$
$u = -0.025547 - 0.628573I$ $a = -1.39066 - 1.08240I$ $b = 0.41101 + 1.46586I$	$-5.47477 - 2.01722I$	$2.82900 + 3.32773I$
$u = -1.225420 + 0.615330I$ $a = 1.268670 - 0.239357I$ $b = -0.184236 - 1.351230I$	$-6.59084 + 8.69863I$	0
$u = -1.225420 - 0.615330I$ $a = 1.268670 + 0.239357I$ $b = -0.184236 + 1.351230I$	$-6.59084 - 8.69863I$	0
$u = 0.045061 + 0.611973I$ $a = 0.913009 - 0.474315I$ $b = 0.157742 - 0.944384I$	$0.697494 - 1.209320I$	$7.98851 + 0.16732I$
$u = 0.045061 - 0.611973I$ $a = 0.913009 + 0.474315I$ $b = 0.157742 + 0.944384I$	$0.697494 + 1.209320I$	$7.98851 - 0.16732I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.289200 + 0.524690I$ $a = 1.063760 + 0.527459I$ $b = -0.168309 + 0.988972I$	$-8.51204 - 5.76595I$	0
$u = 1.289200 - 0.524690I$ $a = 1.063760 - 0.527459I$ $b = -0.168309 - 0.988972I$	$-8.51204 + 5.76595I$	0
$u = -1.358170 + 0.336939I$ $a = -0.236890 + 0.470264I$ $b = 0.013099 + 1.172730I$	$-9.80541 + 4.71923I$	0
$u = -1.358170 - 0.336939I$ $a = -0.236890 - 0.470264I$ $b = 0.013099 - 1.172730I$	$-9.80541 - 4.71923I$	0
$u = 0.450936 + 0.386173I$ $a = 1.47823 + 0.11520I$ $b = -0.417145 - 0.041194I$	$0.954703 + 0.201112I$	$11.22068 - 1.70554I$
$u = 0.450936 - 0.386173I$ $a = 1.47823 - 0.11520I$ $b = -0.417145 + 0.041194I$	$0.954703 - 0.201112I$	$11.22068 + 1.70554I$
$u = -0.575019 + 0.118532I$ $a = -2.87421 + 2.06512I$ $b = 0.465783 + 0.998533I$	$0.87032 + 1.96199I$	$2.59548 + 2.16054I$
$u = -0.575019 - 0.118532I$ $a = -2.87421 - 2.06512I$ $b = 0.465783 - 0.998533I$	$0.87032 - 1.96199I$	$2.59548 - 2.16054I$

II. $I_2^u =$
$\langle u^{36}-6u^{35}+\cdots+b+5,\ -28u^{36}+22u^{35}+\cdots+a-30,\ u^{37}-10u^{35}+\cdots-7u^2+1\rangle$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u \\ -u^3+u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 28u^{36}-22u^{35}+\cdots-35u+30 \\ -u^{36}+6u^{35}+\cdots+29u^2-5 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 3u^{36}-13u^{35}+\cdots+16u-1 \\ 3u^{36}-32u^{34}+\cdots-6u+1 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 27u^{36}-16u^{35}+\cdots-35u+25 \\ -u^{36}+6u^{35}+\cdots+29u^2-5 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 16u^{36}-13u^{35}+\cdots-23u+21 \\ -6u^{36}+4u^{35}+\cdots+9u-3 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} u^3 \\ u^5-u^3+u \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -3u^{35}+2u^{34}+\cdots+5u-3 \\ 4u^{36}-39u^{34}+\cdots-12u+1 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} u^6-u^4+1 \\ u^8-2u^6+2u^4 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} 9u^{36}-12u^{35}+\cdots-9u+15 \\ -4u^{36}+39u^{34}+\cdots+12u-1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 54u^{36}-28u^{35}-503u^{34}+247u^{33}+2362u^{32}-1104u^{31}-7080u^{30}+3035u^{29}+14902u^{28}-5343u^{27}-22895u^{26}+5159u^{25}+26146u^{24}+844u^{23}-22107u^{22}-12287u^{21}+13248u^{20}+23328u^{19}-3721u^{18}-27732u^{17}-4134u^{16}+24779u^{15}+9469u^{14}-18838u^{13}-10793u^{12}+13395u^{11}+8109u^{10}-8963u^9-3831u^8+5044u^7+921u^6-2125u^5+104u^4+577u^3-129u^2-95u+33$

(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	$u^{37} + 4u^{35} + \cdots - 16u^2 - 1$
c_4	$u^{37} + 3u^{36} + \cdots - 3u - 1$
c_5	$u^{37} - u^{36} + \cdots - u + 1$
c_6	$u^{37} - 10u^{35} + \cdots - 7u^2 + 1$
c_7	$u^{37} + 10u^{35} + \cdots - 12u^2 + 1$
c_8	$u^{37} + 7u^{36} + \cdots + 7u + 1$
c_9	$u^{37} + u^{36} + \cdots - u - 1$
c_{10}	$u^{37} + 16u^{32} + \cdots - 2u + 1$
c_{11}	$u^{37} - 7u^{36} + \cdots + 7u - 1$
c_{12}	$u^{37} - 3u^{36} + \cdots - 3u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{37} + 40y^{35} + \cdots - 6y - 1$
c_2, c_6	$y^{37} - 20y^{36} + \cdots + 14y - 1$
c_3	$y^{37} + 8y^{36} + \cdots - 32y - 1$
c_4, c_{12}	$y^{37} - 29y^{36} + \cdots + 33y - 1$
c_5, c_9	$y^{37} + 23y^{36} + \cdots - 19y - 1$
c_7	$y^{37} + 20y^{36} + \cdots + 24y - 1$
c_8, c_{11}	$y^{37} + 19y^{36} + \cdots - 23y - 1$
c_{10}	$y^{37} + 32y^{34} + \cdots + 32y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.126418+1.004850I$ $a=-0.372929+0.514247I$ $b=\ \ 0.245798-1.115710I$	$-4.68516-1.15715I$	$2.36493+4.35446I$
$u=-0.126418-1.004850I$ $a=-0.372929-0.514247I$ $b=\ \ 0.245798+1.115710I$	$-4.68516+1.15715I$	$2.36493-4.35446I$
$u=-0.973839+0.375194I$ $a=\ \ 0.23798-2.10843I$ $b=-0.277307+0.547700I$	$-2.50360-2.25726I$	$5.71927+2.73156I$
$u=-0.973839-0.375194I$ $a=\ \ 0.23798+2.10843I$ $b=-0.277307-0.547700I$	$-2.50360+2.25726I$	$5.71927-2.73156I$
$u=-0.419626+0.825034I$ $a=\ \ 0.324957-0.704938I$ $b=-0.089863+1.285830I$	$-2.59777-3.05067I$	$6.56037+6.23767I$
$u=-0.419626-0.825034I$ $a=\ \ 0.324957+0.704938I$ $b=-0.089863-1.285830I$	$-2.59777+3.05067I$	$6.56037-6.23767I$
$u=\ \ 0.607146+0.672527I$ $a=\ \ 0.973930-0.732680I$ $b=\ \ 0.151249+0.674640I$	$0.29387+3.25792I$	$4.24381-2.66674I$
$u=\ \ 0.607146-0.672527I$ $a=\ \ 0.973930+0.732680I$ $b=\ \ 0.151249-0.674640I$	$0.29387-3.25792I$	$4.24381+2.66674I$
$u=-1.008990+0.437769I$ $a=-0.938678+0.534023I$ $b=\ \ 0.550313-0.894606I$	$-0.122562+0.887703I$	$9.01578-1.72530I$
$u=-1.008990-0.437769I$ $a=-0.938678-0.534023I$ $b=\ \ 0.550313+0.894606I$	$-0.122562-0.887703I$	$9.01578+1.72530I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.063200 + 0.309105I$ $a = 0.77558 + 1.47407I$ $b = 0.02746 + 1.48117I$	$-6.91036 + 0.94699I$	$-0.69599 - 5.57403I$
$u = 1.063200 - 0.309105I$ $a = 0.77558 - 1.47407I$ $b = 0.02746 - 1.48117I$	$-6.91036 - 0.94699I$	$-0.69599 + 5.57403I$
$u = 1.024330 + 0.515292I$ $a = -1.61272 + 0.68895I$ $b = 0.462091 - 0.745535I$	$0.44457 - 5.19303I$	$7.91069 + 6.14189I$
$u = 1.024330 - 0.515292I$ $a = -1.61272 - 0.68895I$ $b = 0.462091 + 0.745535I$	$0.44457 + 5.19303I$	$7.91069 - 6.14189I$
$u = -0.799770 + 0.277679I$ $a = -3.42907 + 0.12036I$ $b = 0.354210 + 0.616794I$	$-1.75281 + 5.10225I$	$5.06745 - 11.38448I$
$u = -0.799770 - 0.277679I$ $a = -3.42907 - 0.12036I$ $b = 0.354210 - 0.616794I$	$-1.75281 - 5.10225I$	$5.06745 + 11.38448I$
$u = -1.090920 + 0.380355I$ $a = -0.55650 + 1.43830I$ $b = 0.979401 + 0.049172I$	$0.30294 + 2.47989I$	$10.49434 - 3.78883I$
$u = -1.090920 - 0.380355I$ $a = -0.55650 - 1.43830I$ $b = 0.979401 - 0.049172I$	$0.30294 - 2.47989I$	$10.49434 + 3.78883I$
$u = 1.029470 + 0.571073I$ $a = 0.036763 - 0.759707I$ $b = -0.145780 + 0.586296I$	$-1.04342 - 8.09231I$	$1.81725 + 10.87045I$
$u = 1.029470 - 0.571073I$ $a = 0.036763 + 0.759707I$ $b = -0.145780 - 0.586296I$	$-1.04342 + 8.09231I$	$1.81725 - 10.87045I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.806409 + 0.119495I$ $a = -0.765517 + 0.039792I$ $b = 0.09917 + 1.48310I$	$-5.57876 - 2.83725I$	$-5.78371 + 3.99884I$
$u = 0.806409 - 0.119495I$ $a = -0.765517 - 0.039792I$ $b = 0.09917 - 1.48310I$	$-5.57876 + 2.83725I$	$-5.78371 - 3.99884I$
$u = 0.607415 + 0.528386I$ $a = -0.31139 + 2.19278I$ $b = -0.364937 - 0.804048I$	$1.79098 + 0.92962I$	$6.07777 + 2.44142I$
$u = 0.607415 - 0.528386I$ $a = -0.31139 - 2.19278I$ $b = -0.364937 + 0.804048I$	$1.79098 - 0.92962I$	$6.07777 - 2.44142I$
$u = 1.090170 + 0.513154I$ $a = -0.486072 - 0.685584I$ $b = 0.963016 - 0.021020I$	$1.26383 - 4.72050I$	$8.61420 + 3.67188I$
$u = 1.090170 - 0.513154I$ $a = -0.486072 + 0.685584I$ $b = 0.963016 + 0.021020I$	$1.26383 + 4.72050I$	$8.61420 - 3.67188I$
$u = -0.672478 + 0.357461I$ $a = 2.29325 - 1.47377I$ $b = -0.462834 - 0.970386I$	$1.09063 + 2.57531I$	$7.13637 - 8.16815I$
$u = -0.672478 - 0.357461I$ $a = 2.29325 + 1.47377I$ $b = -0.462834 + 0.970386I$	$1.09063 - 2.57531I$	$7.13637 + 8.16815I$
$u = -1.130450 + 0.577358I$ $a = -1.72706 + 0.50896I$ $b = 0.175407 + 1.359510I$	$-4.82564 + 8.27734I$	$2.48773 - 10.16248I$
$u = -1.130450 - 0.577358I$ $a = -1.72706 - 0.50896I$ $b = 0.175407 - 1.359510I$	$-4.82564 - 8.27734I$	$2.48773 + 10.16248I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.267710 + 0.371975I$ $a = -0.527106 - 0.303539I$ $b = -0.282539 - 1.281220I$	$-9.34166 - 3.35760I$	0
$u = 1.267710 - 0.371975I$ $a = -0.527106 + 0.303539I$ $b = -0.282539 + 1.281220I$	$-9.34166 + 3.35760I$	0
$u = -0.650707$ $a = 2.93152$ $b = -1.02903$	2.62307	25.6050
$u = -1.274220 + 0.504060I$ $a = 1.088210 - 0.736370I$ $b = -0.378178 - 1.065620I$	$-8.39704 + 6.52609I$	$0. - 8.92918I$
$u = -1.274220 - 0.504060I$ $a = 1.088210 + 0.736370I$ $b = -0.378178 + 1.065620I$	$-8.39704 - 6.52609I$	$0. + 8.92918I$
$u = 0.326224 + 0.537184I$ $a = 1.030610 + 0.450541I$ $b = -0.992163 - 0.003273I$	$3.42694 + 0.38757I$	$10.76689 + 1.86191I$
$u = 0.326224 - 0.537184I$ $a = 1.030610 - 0.450541I$ $b = -0.992163 + 0.003273I$	$3.42694 - 0.38757I$	$10.76689 - 1.86191I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{37}-20u^{36}+\cdots+14u-1)(u^{148}+77u^{147}+\cdots+2082u+121)$
c_2	$(u^{37}-10u^{35}+\cdots+7u^2-1)(u^{148}-u^{147}+\cdots-28u+11)$
c_3	$(u^{37}+4u^{35}+\cdots-16u^2-1)$ $\cdot(u^{148}-u^{147}+\cdots-437764162u+31663951)$
c_4	$(u^{37}+3u^{36}+\cdots-3u-1)(u^{148}-41u^{146}+\cdots-1867u-457)$
c_5	$(u^{37}-u^{36}+\cdots-u+1)(u^{148}-2u^{147}+\cdots-20681u-4913)$
c_6	$(u^{37}-10u^{35}+\cdots-7u^2+1)(u^{148}-u^{147}+\cdots-28u+11)$
c_7	$(u^{37}+10u^{35}+\cdots-12u^2+1)$ $\cdot(u^{148}-3u^{147}+\cdots-52130042u+4546267)$
c_8	$(u^{37}+7u^{36}+\cdots+7u+1)(u^{148}+6u^{147}+\cdots+147861u+10043)$
c_9	$(u^{37}+u^{36}+\cdots-u-1)(u^{148}-2u^{147}+\cdots-20681u-4913)$
c_{10}	$(u^{37}+16u^{32}+\cdots-2u+1)(u^{148}+u^{147}+\cdots-171710u-36269)$
c_{11}	$(u^{37}-7u^{36}+\cdots+7u-1)(u^{148}+6u^{147}+\cdots+147861u+10043)$
c_{12}	$(u^{37}-3u^{36}+\cdots-3u+1)(u^{148}-41u^{146}+\cdots-1867u-457)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{37}+40y^{35}+\cdots-6y-1)(y^{148}-5y^{147}+\cdots-428602y+14641)$
c_2, c_6	$(y^{37}-20y^{36}+\cdots+14y-1)(y^{148}-77y^{147}+\cdots-2082y+121)$
c_3	$(y^{37}+8y^{36}+\cdots-32y-1)$ $\cdot(y^{148}+59y^{147}+\cdots-106286132462952552y+1002605792930401)$
c_4, c_{12}	$(y^{37}-29y^{36}+\cdots+33y-1)$ $\cdot(y^{148}-82y^{147}+\cdots-21312345y+208849)$
c_5, c_9	$(y^{37}+23y^{36}+\cdots-19y-1)$ $\cdot(y^{148}+98y^{147}+\cdots+311191787y+24137569)$
c_7	$(y^{37}+20y^{36}+\cdots+24y-1)$ $\cdot(y^{148}+87y^{147}+\cdots+203578457803668y+20668543635289)$
c_8, c_{11}	$(y^{37}+19y^{36}+\cdots-23y-1)$ $\cdot(y^{148}+90y^{147}+\cdots+2708328479y+100861849)$
c_{10}	$(y^{37}+32y^{34}+\cdots+32y-1)$ $\cdot(y^{148}+23y^{147}+\cdots-9866857228y+1315440361)$