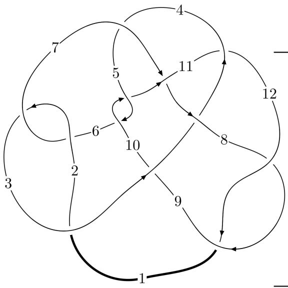
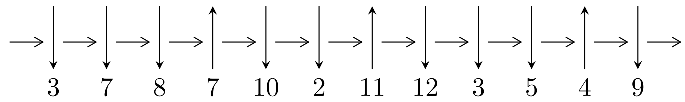
$12n_{0609}$ $(K12n_{0609})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle 4.50523\times10^{31}u^{34} + 3.77516\times10^{31}u^{33} + \cdots + 2.98297\times10^{32}b + 5.56578\times10^{32},$$
$$1.58581\times10^{33}u^{34} - 2.10588\times10^{32}u^{33} + \cdots + 2.08808\times10^{33}a - 7.24786\times10^{33},\ u^{35} - 7u^{33} + \cdots - 15u -$$
$$I_2^u = \langle -3u^{13} + 4u^{12} + 12u^{11} - 14u^{10} - 24u^9 + 33u^8 + 22u^7 - 41u^6 - 4u^5 + 33u^4 - 8u^3 - 16u^2 + b + 5u + 5,$$
$$u^{13} - u^{12} - 4u^{11} + 3u^{10} + 8u^9 - 8u^8 - 8u^7 + 10u^6 + 3u^5 - 10u^4 + u^3 + 4u^2 + a - u - 2,$$
$$u^{15} - u^{14} - 5u^{13} + 4u^{12} + 12u^{11} - 11u^{10} - 16u^9 + 18u^8 + 11u^7 - 20u^6 - 2u^5 + 14u^4 - 2u^3 - 6u^2 + u + 1\rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 50 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. $\boldsymbol{I_1^u =}$
$\boldsymbol{\langle 4.51\times10^{31}u^{34}+3.78\times10^{31}u^{33}+\cdots+2.98\times10^{32}b+5.57\times10^{32},\ 1.59\times10^{33}u^{34}-2.11\times10^{32}u^{33}+\cdots+2.09\times10^{33}a-7.25\times10^{33},\ u^{35}-7u^{33}+\cdots-15u-7\rangle}$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -0.759458u^{34} + 0.100853u^{33} + \cdots - 4.69237u + 3.47107 \\ -0.151032u^{34} - 0.126557u^{33} + \cdots - 11.7344u - 1.86585 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} -0.608426u^{34} + 0.227410u^{33} + \cdots + 7.04204u + 5.33692 \\ -0.151032u^{34} - 0.126557u^{33} + \cdots - 11.7344u - 1.86585 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} 0.179494u^{34} - 0.738948u^{33} + \cdots - 15.5941u - 1.11702 \\ -0.545677u^{34} + 0.0968206u^{33} + \cdots - 9.38307u + 0.549020 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -1.02030u^{34} + 0.148917u^{33} + \cdots - 5.54020u + 5.06294 \\ -0.0217840u^{34} - 0.0983476u^{33} + \cdots - 7.67390u - 1.31640 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -1.04208u^{34} + 0.0505690u^{33} + \cdots - 13.2141u + 3.74654 \\ -0.0217840u^{34} - 0.0983476u^{33} + \cdots - 7.67390u - 1.31640 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 0.840961u^{34} - 1.49063u^{33} + \cdots - 33.0344u - 11.5939 \\ -0.517267u^{34} + 0.810261u^{33} + \cdots + 18.9933u + 12.5715 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -0.851085u^{34} - 0.116346u^{33} + \cdots - 25.8199u - 1.77087 \\ 0.0725660u^{34} - 0.436813u^{33} + \cdots - 17.0168u - 7.55024 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -0.456623u^{34} - 0.375284u^{33} + \cdots - 20.0850u + 2.76419 \\ -0.0904401u^{34} + 0.266844u^{33} + \cdots + 6.89220u + 3.33219 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -3.40594u^{34} + 1.42898u^{33} + \cdots - 12.4503u + 24.3578 \\ 1.40463u^{34} - 0.957154u^{33} + \cdots - 5.03678u - 8.25778 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 1.81804u^{34} + 1.88122u^{33} + \cdots + 110.974u + 25.9634$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{35} + 62u^{34} + \cdots + 4330075u + 134689$
c_2, c_6	$u^{35} + 2u^{34} + \cdots + 4061u - 367$
c_3	$u^{35} + 2u^{34} + \cdots - 7u + 1$
c_4	$u^{35} + 10u^{34} + \cdots + 1712u + 311$
c_5, c_{10}	$u^{35} - u^{34} + \cdots + 672u - 23$
c_7	$u^{35} - 7u^{33} + \cdots - 15u + 7$
c_8, c_{12}	$u^{35} + 3u^{34} + \cdots - 97u + 19$
c_9	$u^{35} + 4u^{34} + \cdots - 54708u + 6023$
c_{11}	$u^{35} - 5u^{34} + \cdots + 422u - 13$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{35} - 206y^{34} + \cdots + 2682621801371y - 18141126721$
c_2, c_6	$y^{35} - 62y^{34} + \cdots + 4330075y - 134689$
c_3	$y^{35} + 2y^{34} + \cdots + 63y - 1$
c_4	$y^{35} + 10y^{34} + \cdots - 500008y - 96721$
c_5, c_{10}	$y^{35} - 3y^{34} + \cdots + 454344y - 529$
c_7	$y^{35} - 14y^{34} + \cdots + 1023y - 49$
c_8, c_{12}	$y^{35} - 55y^{34} + \cdots + 11689y - 361$
c_9	$y^{35} - 164y^{34} + \cdots - 17527853484y - 36276529$
c_{11}	$y^{35} + 9y^{34} + \cdots + 217500y - 169$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.675365 + 0.752140I$ $a = 0.274011 + 1.179370I$ $b = -0.55916 + 1.59846I$	$-5.38269 - 0.91248I$	$-10.44886 + 2.53258I$
$u = -0.675365 - 0.752140I$ $a = 0.274011 - 1.179370I$ $b = -0.55916 - 1.59846I$	$-5.38269 + 0.91248I$	$-10.44886 - 2.53258I$
$u = -0.928230$ $a = -0.743205$ $b = -3.28718$	-10.2373	-6.48310
$u = -0.780540 + 0.794419I$ $a = 0.528114 + 0.428245I$ $b = -0.454633 + 0.505577I$	$-0.06975 - 2.50434I$	$-7.09658 + 4.10230I$
$u = -0.780540 - 0.794419I$ $a = 0.528114 - 0.428245I$ $b = -0.454633 - 0.505577I$	$-0.06975 + 2.50434I$	$-7.09658 - 4.10230I$
$u = -1.170970 + 0.199419I$ $a = 0.109806 - 0.892494I$ $b = 0.256411 - 0.529286I$	$2.93670 - 2.65045I$	$-2.92426 + 3.85701I$
$u = -1.170970 - 0.199419I$ $a = 0.109806 + 0.892494I$ $b = 0.256411 + 0.529286I$	$2.93670 + 2.65045I$	$-2.92426 - 3.85701I$
$u = -1.027690 + 0.614606I$ $a = -0.911917 - 0.413858I$ $b = 0.40767 - 1.44351I$	$-4.22355 - 4.34323I$	$-8.88159 + 4.48072I$
$u = -1.027690 - 0.614606I$ $a = -0.911917 + 0.413858I$ $b = 0.40767 + 1.44351I$	$-4.22355 + 4.34323I$	$-8.88159 - 4.48072I$
$u = -0.790308$ $a = 1.93557$ $b = -2.52371$	-10.8736	0.541730

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.779444 + 0.122722I$ $a = 0.11921 + 1.82402I$ $b = 0.692344 + 0.750731I$	$4.75580 + 0.44115I$	$-1.38131 + 2.20530I$
$u = 0.779444 - 0.122722I$ $a = 0.11921 - 1.82402I$ $b = 0.692344 - 0.750731I$	$4.75580 - 0.44115I$	$-1.38131 - 2.20530I$
$u = 1.097490 + 0.543646I$ $a = -0.208642 + 0.776842I$ $b = 0.97202 + 1.45913I$	$1.07838 + 5.16629I$	$-6.84650 - 9.62882I$
$u = 1.097490 - 0.543646I$ $a = -0.208642 - 0.776842I$ $b = 0.97202 - 1.45913I$	$1.07838 - 5.16629I$	$-6.84650 + 9.62882I$
$u = 0.879026 + 0.883079I$ $a = -1.65073 + 0.15661I$ $b = -0.276490 + 0.900117I$	$-16.3550 + 2.1833I$	$-9.12494 - 2.49613I$
$u = 0.879026 - 0.883079I$ $a = -1.65073 - 0.15661I$ $b = -0.276490 - 0.900117I$	$-16.3550 - 2.1833I$	$-9.12494 + 2.49613I$
$u = -1.004900 + 0.750402I$ $a = 0.159109 - 0.878002I$ $b = 0.886553 - 0.937980I$	$0.76221 - 3.35277I$	$-9.00923 + 1.04834I$
$u = -1.004900 - 0.750402I$ $a = 0.159109 + 0.878002I$ $b = 0.886553 + 0.937980I$	$0.76221 + 3.35277I$	$-9.00923 - 1.04834I$
$u = 0.980302 + 0.839353I$ $a = -0.12512 - 1.44580I$ $b = -0.56077 - 1.91870I$	$-16.0274 + 4.2362I$	$-8.99278 - 2.47237I$
$u = 0.980302 - 0.839353I$ $a = -0.12512 + 1.44580I$ $b = -0.56077 + 1.91870I$	$-16.0274 - 4.2362I$	$-8.99278 + 2.47237I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.371475 + 0.598922I$ $a = 0.882706 - 0.414519I$ $b = -0.207818 - 0.631352I$	$-1.039020 - 0.567157I$	$-9.02941 + 3.66448I$
$u = 0.371475 - 0.598922I$ $a = 0.882706 + 0.414519I$ $b = -0.207818 + 0.631352I$	$-1.039020 + 0.567157I$	$-9.02941 - 3.66448I$
$u = 0.663303$ $a = 1.17343$ $b = -0.625094$	-1.52399	-5.20750
$u = 1.019370 + 0.891636I$ $a = 0.374425 - 0.936128I$ $b = -0.81320 - 1.16561I$	$-4.62293 + 8.02466I$	$-8.99459 - 6.09889I$
$u = 1.019370 - 0.891636I$ $a = 0.374425 + 0.936128I$ $b = -0.81320 + 1.16561I$	$-4.62293 - 8.02466I$	$-8.99459 + 6.09889I$
$u = -0.625529 + 1.237630I$ $a = -1.149750 - 0.604247I$ $b = -0.498371 - 1.184570I$	$-17.6881 + 5.3333I$	$-10.32662 - 2.48689I$
$u = -0.625529 - 1.237630I$ $a = -1.149750 + 0.604247I$ $b = -0.498371 + 1.184570I$	$-17.6881 - 5.3333I$	$-10.32662 + 2.48689I$
$u = 0.936546 + 1.042190I$ $a = -0.390412 + 0.550295I$ $b = -0.114051 + 0.985066I$	$-5.01490 - 1.02895I$	$-12.04957 + 2.53411I$
$u = 0.936546 - 1.042190I$ $a = -0.390412 - 0.550295I$ $b = -0.114051 - 0.985066I$	$-5.01490 + 1.02895I$	$-12.04957 - 2.53411I$
$u = 0.587494$ $a = -0.0584535$ $b = -1.70895$	-2.29968	3.86260

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -1.22874 + 0.83593I$ $a = 0.186277 + 1.290050I$ $b = -1.04714 + 1.80529I$	$-15.6932 - 12.6803I$	$-6.00000 + 5.76735I$
$u = -1.22874 - 0.83593I$ $a = 0.186277 - 1.290050I$ $b = -1.04714 - 1.80529I$	$-15.6932 + 12.6803I$	$-6.00000 - 5.76735I$
$u = -0.364021 + 0.159376I$ $a = -2.08592 + 2.84763I$ $b = 0.575909 + 0.656185I$	$-0.87711 - 2.42741I$	$-7.50647 + 0.56307I$
$u = -0.364021 - 0.159376I$ $a = -2.08592 - 2.84763I$ $b = 0.575909 - 0.656185I$	$-0.87711 + 2.42741I$	$-7.50647 - 0.56307I$
$u = 2.09595$ $a = -0.386813$ $b = -0.373598$	-7.66684	0

II.

$$\boldsymbol{I^u_2 = \langle -3u^{13}+4u^{12}+\cdots+b+5,\ u^{13}-u^{12}+\cdots+a-2,\ u^{15}-u^{14}+\cdots+u+1\rangle}$$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -u^{13}+u^{12}+\cdots+u+2 \\ 3u^{13}-4u^{12}+\cdots-5u-5 \end{pmatrix}$$

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

$$a_4 = \begin{pmatrix} -4u^{13}+5u^{12}+\cdots+6u+7 \\ 3u^{13}-4u^{12}+\cdots-5u-5 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -15u^{14}+12u^{13}+\cdots+38u+6 \\ 7u^{14}-4u^{13}+\cdots-22u-6 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} u^{14}-5u^{13}+\cdots+5u+6 \\ 3u^{13}-3u^{12}+\cdots-4u-5 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} u^{14}-2u^{13}+\cdots+u+1 \\ 3u^{13}-3u^{12}+\cdots-4u-5 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 20u^{14}-13u^{13}+\cdots-53u-20 \\ -10u^{14}+4u^{13}+\cdots+32u+12 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -u^{14}-3u^{13}+\cdots+9u+9 \\ 4u^{14}-3u^{13}+\cdots-11u-7 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -4u^{14}+4u^{13}+\cdots+5u^2+6u \\ 4u^{14}-4u^{13}+\cdots-9u^2-8u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 9u^{14}+7u^{13}+\cdots-53u-30 \\ -7u^{14}+37u^{12}+\cdots+30u+17 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -4u^{14}+19u^{13}+5u^{12}-83u^{11}+6u^{10}+184u^9-78u^8-223u^7+161u^6+135u^5-187u^4-27u^3+108u^2-9u-37$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{15} - 15u^{14} + \cdots + 5u - 1$
c_2	$u^{15} - 3u^{14} + \cdots + 3u - 1$
c_3	$u^{15} + u^{14} + \cdots + 3u + 1$
c_4	$u^{15} + u^{14} + \cdots + 2u - 1$
c_5	$u^{15} + 6u^{13} + \cdots - 2u - 1$
c_6	$u^{15} + 3u^{14} + \cdots + 3u + 1$
c_7	$u^{15} - u^{14} + \cdots + u + 1$
c_8	$u^{15} - 10u^{13} + \cdots + u + 1$
c_9	$u^{15} - 5u^{14} + \cdots - 14u + 1$
c_{10}	$u^{15} + 6u^{13} + \cdots - 2u + 1$
c_{11}	$u^{15} - 2u^{13} + \cdots - 11u^2 - 1$
c_{12}	$u^{15} - 10u^{13} + \cdots + u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{15} - 59y^{14} + \cdots + 5y - 1$
c_2, c_6	$y^{15} - 15y^{14} + \cdots + 5y - 1$
c_3	$y^{15} + 5y^{14} + \cdots + 17y - 1$
c_4	$y^{15} - 7y^{14} + \cdots - 14y - 1$
c_5, c_{10}	$y^{15} + 12y^{14} + \cdots - 6y - 1$
c_7	$y^{15} - 11y^{14} + \cdots + 13y - 1$
c_8, c_{12}	$y^{15} - 20y^{14} + \cdots - 9y - 1$
c_9	$y^{15} - 53y^{14} + \cdots + 38y - 1$
c_{11}	$y^{15} - 4y^{14} + \cdots - 22y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.945967 + 0.364350I$ $a = 0.447371 - 1.296300I$ $b = 0.54568 - 1.59008I$	$0.121261 + 0.585920I$	$-6.11150 + 0.88466I$
$u = -0.945967 - 0.364350I$ $a = 0.447371 + 1.296300I$ $b = 0.54568 + 1.59008I$	$0.121261 - 0.585920I$	$-6.11150 - 0.88466I$
$u = 0.910844 + 0.329867I$ $a = 0.63588 + 1.36871I$ $b = 0.434324 + 0.641040I$	$4.62454 + 1.37648I$	$-3.28500 - 4.85991I$
$u = 0.910844 - 0.329867I$ $a = 0.63588 - 1.36871I$ $b = 0.434324 - 0.641040I$	$4.62454 - 1.37648I$	$-3.28500 + 4.85991I$
$u = 0.483149 + 0.790685I$ $a = 0.552124 + 0.303102I$ $b = -0.006540 - 0.521541I$	$-3.32772 - 1.16564I$	$-9.43576 + 1.29116I$
$u = 0.483149 - 0.790685I$ $a = 0.552124 - 0.303102I$ $b = -0.006540 + 0.521541I$	$-3.32772 + 1.16564I$	$-9.43576 - 1.29116I$
$u = -0.858047 + 0.316539I$ $a = 0.85127 - 1.27055I$ $b = -0.183732 + 0.291743I$	$-0.26649 - 3.45017I$	$-3.88329 + 5.28365I$
$u = -0.858047 - 0.316539I$ $a = 0.85127 + 1.27055I$ $b = -0.183732 - 0.291743I$	$-0.26649 + 3.45017I$	$-3.88329 - 5.28365I$
$u = 1.047160 + 0.587752I$ $a = 0.157821 + 0.780474I$ $b = 1.54439 + 1.24046I$	$-1.69704 + 6.28081I$	$-7.36459 - 5.95096I$
$u = 1.047160 - 0.587752I$ $a = 0.157821 - 0.780474I$ $b = 1.54439 - 1.24046I$	$-1.69704 - 6.28081I$	$-7.36459 + 5.95096I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.686348$ $a = 1.89062$ $b = -3.01568$	-11.2981	-19.7640
$u = -1.189670 + 0.653681I$ $a = 0.004952 - 0.642912I$ $b = 0.747056 - 0.985367I$	$1.40673 - 4.12593I$	$-4.27551 + 5.62522I$
$u = -1.189670 - 0.653681I$ $a = 0.004952 + 0.642912I$ $b = 0.747056 + 0.985367I$	$1.40673 + 4.12593I$	$-4.27551 - 5.62522I$
$u = -0.428593$ $a = 1.22503$ $b = -1.45207$	-2.69518	-18.0200
$u = 1.84731$ $a = -0.414496$ $b = -0.694610$	-7.46852	5.49540

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{15}-15u^{14}+\cdots+5u-1)(u^{35}+62u^{34}+\cdots+4330075u+134689)$
c_2	$(u^{15}-3u^{14}+\cdots+3u-1)(u^{35}+2u^{34}+\cdots+4061u-367)$
c_3	$(u^{15}+u^{14}+\cdots+3u+1)(u^{35}+2u^{34}+\cdots-7u+1)$
c_4	$(u^{15}+u^{14}+\cdots+2u-1)(u^{35}+10u^{34}+\cdots+1712u+311)$
c_5	$(u^{15}+6u^{13}+\cdots-2u-1)(u^{35}-u^{34}+\cdots+672u-23)$
c_6	$(u^{15}+3u^{14}+\cdots+3u+1)(u^{35}+2u^{34}+\cdots+4061u-367)$
c_7	$(u^{15}-u^{14}+\cdots+u+1)(u^{35}-7u^{33}+\cdots-15u+7)$
c_8	$(u^{15}-10u^{13}+\cdots+u+1)(u^{35}+3u^{34}+\cdots-97u+19)$
c_9	$(u^{15}-5u^{14}+\cdots-14u+1)(u^{35}+4u^{34}+\cdots-54708u+6023)$
c_{10}	$(u^{15}+6u^{13}+\cdots-2u+1)(u^{35}-u^{34}+\cdots+672u-23)$
c_{11}	$(u^{15}-2u^{13}+\cdots-11u^2-1)(u^{35}-5u^{34}+\cdots+422u-13)$
c_{12}	$(u^{15}-10u^{13}+\cdots+u-1)(u^{35}+3u^{34}+\cdots-97u+19)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{15} - 59y^{14} + \cdots + 5y - 1)$ $\cdot (y^{35} - 206y^{34} + \cdots + 2682621801371y - 18141126721)$
c_2, c_6	$(y^{15} - 15y^{14} + \cdots + 5y - 1)(y^{35} - 62y^{34} + \cdots + 4330075y - 134689)$
c_3	$(y^{15} + 5y^{14} + \cdots + 17y - 1)(y^{35} + 2y^{34} + \cdots + 63y - 1)$
c_4	$(y^{15} - 7y^{14} + \cdots - 14y - 1)(y^{35} + 10y^{34} + \cdots - 500008y - 96721)$
c_5, c_{10}	$(y^{15} + 12y^{14} + \cdots - 6y - 1)(y^{35} - 3y^{34} + \cdots + 454344y - 529)$
c_7	$(y^{15} - 11y^{14} + \cdots + 13y - 1)(y^{35} - 14y^{34} + \cdots + 1023y - 49)$
c_8, c_{12}	$(y^{15} - 20y^{14} + \cdots - 9y - 1)(y^{35} - 55y^{34} + \cdots + 11689y - 361)$
c_9	$(y^{15} - 53y^{14} + \cdots + 38y - 1)$ $\cdot (y^{35} - 164y^{34} + \cdots - 17527853484y - 36276529)$
c_{11}	$(y^{15} - 4y^{14} + \cdots - 22y - 1)(y^{35} + 9y^{34} + \cdots + 217500y - 169)$