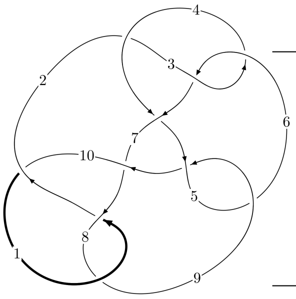
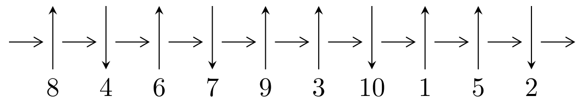
10_{60} $(K10a_1)$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle u^{10} - u^9 + 3u^8 - 2u^7 + 3u^6 - 2u^5 - u^2 + b,\ u^{10} - u^9 + 4u^8 - 3u^7 + 6u^6 - 4u^5 + 3u^4 - 2u^3 - u^2 + a,$$
$$u^{12} - u^{11} + 4u^{10} - 3u^9 + 7u^8 - 5u^7 + 6u^6 - 4u^5 + 2u^4 - 2u^3 + u^2 + 1\rangle$$
$$I_2^u = \langle -u^{33} + u^{32} + \cdots + b + 1,\ -u^{32} + 2u^{31} + \cdots + a - 2,\ u^{34} - 2u^{33} + \cdots - 3u + 1\rangle$$
$$I_3^u = \langle b + u,\ a,\ u^2 + u + 1\rangle$$
$$I_4^u = \langle b + 1,\ a,\ u^2 + u + 1\rangle$$

* 4 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. $I_1^u = \langle u^{10} - u^9 + 3u^8 - 2u^7 + 3u^6 - 2u^5 - u^2 + b,\ u^{10} - u^9 + \cdots - u^2 + a,\ u^{12} - u^{11} + \cdots + u^2 + 1\rangle$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$
$$a_5 = \begin{pmatrix} u^4 + u^2 + 1 \\ u^6 + 2u^4 + u^2 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -u^{10} + u^9 - 4u^8 + 3u^7 - 6u^6 + 4u^5 - 3u^4 + 2u^3 + u^2 \\ -u^{10} + u^9 - 3u^8 + 2u^7 - 3u^6 + 2u^5 + u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} u^{11} - u^{10} + 3u^9 - 2u^8 + 3u^7 - 2u^6 - 2u^3 \\ -u^9 + u^8 - 3u^7 + 2u^6 - 3u^5 + 2u^4 - u^3 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} u^2 + 1 \\ u^2 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -u^{10} + u^9 - 4u^8 + 3u^7 - 6u^6 + 4u^5 - 4u^4 + 2u^3 \\ -u^{10} + u^9 - 3u^8 + 2u^7 - 3u^6 + 2u^5 - u^4 + u^2 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} u^9 - u^8 + 3u^7 - 2u^6 + 4u^5 - 2u^4 + 2u^3 \\ u^{11} - u^{10} + 4u^9 - 3u^8 + 6u^7 - 4u^6 + 4u^5 - 2u^4 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes
$= 4u^{11} - 8u^{10} + 18u^9 - 26u^8 + 34u^7 - 40u^6 + 34u^5 - 24u^4 + 16u^3 - 4u^2 + 6u - 2$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_6 c_8	$u^{12}+u^{11}+4u^{10}+3u^9+7u^8+5u^7+6u^6+4u^5+2u^4+2u^3+u^2+1$
c_2, c_{10}	$u^{12}+7u^{11}+\cdots+2u+1$
c_4, c_7	$u^{12}-u^{11}+\cdots+2u+1$
c_5, c_9	$u^{12}-5u^{11}+\cdots-12u+4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_6 c_8	$y^{12} + 7y^{11} + \cdots + 2y + 1$
c_2, c_{10}	$y^{12} - y^{11} + \cdots + 6y + 1$
c_4, c_7	$y^{12} - 9y^{11} + \cdots + 2y + 1$
c_5, c_9	$y^{12} + 5y^{11} + \cdots - 16y + 16$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.178968 + 0.877941I$ $a = -1.176440 - 0.426280I$ $b = -0.702552 + 0.572575I$	$-1.87720 - 1.89052I$	$-4.24850 + 3.95054I$
$u = -0.178968 - 0.877941I$ $a = -1.176440 + 0.426280I$ $b = -0.702552 - 0.572575I$	$-1.87720 + 1.89052I$	$-4.24850 - 3.95054I$
$u = 0.780097 + 0.281995I$ $a = 1.73075 + 0.13511I$ $b = 1.057890 + 0.528101I$	$-0.78013 - 3.73206I$	$3.21966 + 2.51013I$
$u = 0.780097 - 0.281995I$ $a = 1.73075 - 0.13511I$ $b = 1.057890 - 0.528101I$	$-0.78013 + 3.73206I$	$3.21966 - 2.51013I$
$u = -0.496677 + 1.117040I$ $a = -0.55633 + 2.12256I$ $b = 2.35694 + 1.72461I$	$-2.98532 - 7.52709I$	$-1.88445 + 6.81034I$
$u = -0.496677 - 1.117040I$ $a = -0.55633 - 2.12256I$ $b = 2.35694 - 1.72461I$	$-2.98532 + 7.52709I$	$-1.88445 - 6.81034I$
$u = 0.335900 + 1.207600I$ $a = -0.736004 - 0.940791I$ $b = 1.36295 - 1.08335I$	$-9.48086 + 3.21477I$	$-6.88179 - 3.24710I$
$u = 0.335900 - 1.207600I$ $a = -0.736004 + 0.940791I$ $b = 1.36295 + 1.08335I$	$-9.48086 - 3.21477I$	$-6.88179 + 3.24710I$
$u = 0.577185 + 1.164540I$ $a = 0.15978 - 1.92327I$ $b = 2.60480 - 1.08526I$	$-5.9276 + 13.9800I$	$-2.44387 - 9.26853I$
$u = 0.577185 - 1.164540I$ $a = 0.15978 + 1.92327I$ $b = 2.60480 + 1.08526I$	$-5.9276 - 13.9800I$	$-2.44387 + 9.26853I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.517537 + 0.434237I$ $a = 1.57824 - 0.67661I$ $b = 0.319971 - 0.990159I$	$1.31194 - 0.92364I$	$6.23895 + 2.73595I$
$u = -0.517537 - 0.434237I$ $a = 1.57824 + 0.67661I$ $b = 0.319971 + 0.990159I$	$1.31194 + 0.92364I$	$6.23895 - 2.73595I$

II.

$$\boldsymbol{I_2^u = \langle -u^{33}+u^{32}+\cdots+b+1,\ -u^{32}+2u^{31}+\cdots+a-2,\ u^{34}-2u^{33}+\cdots-3u+1\rangle}$$

(i) Arc colorings

$$a_4 = \begin{pmatrix}1\\0\end{pmatrix}$$

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

$$a_3 = \begin{pmatrix}1\\u^2\end{pmatrix}$$

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

$$a_5 = \begin{pmatrix}u^4+u^2+1\\u^6+2u^4+u^2\end{pmatrix}$$

$$a_{10} = \begin{pmatrix}u^{32}-2u^{31}+\cdots-3u+2\\u^{33}-u^{32}+\cdots+2u-1\end{pmatrix}$$

$$a_8 = \begin{pmatrix}u^{12}+3u^{10}+5u^8-2u^7+4u^6-4u^5+2u^4-4u^3+u^2+1\\-u^{33}+u^{32}+\cdots+3u^2-u\end{pmatrix}$$

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

$$a_1 = \begin{pmatrix}3u^{32}-3u^{31}+\cdots-6u+4\\2u^{33}+14u^{31}+\cdots+2u^3+u^2\end{pmatrix}$$

$$a_9 = \begin{pmatrix}2u^{32}-2u^{31}+\cdots-3u+2\\u^{33}+u^{32}+\cdots+u^2-u\end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -3u^{33}+8u^{32}-27u^{31}+61u^{30}-117u^{29}+247u^{28}-346u^{27}+669u^{26}-778u^{25}+1328u^{24}-1416u^{23}+2034u^{22}-2108u^{21}+2492u^{20}-2552u^{19}+2536u^{18}-2457u^{17}+2183u^{16}-1857u^{15}+1579u^{14}-1103u^{13}+889u^{12}-533u^{11}+364u^{10}-219u^9+98u^8-68u^7+38u^6-24u^5+20u^4-6u^3+14u^2-7u+7$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_6 c_8	$u^{34} + 2u^{33} + \cdots + 3u + 1$
c_2, c_{10}	$u^{34} + 16u^{33} + \cdots + u + 1$
c_4, c_7	$u^{34} - 2u^{33} + \cdots - 183u + 73$
c_5, c_9	$(u^{17} + 2u^{16} + \cdots - 5u - 2)^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_6 c_8	$y^{34} + 16y^{33} + \cdots + y + 1$
c_2, c_{10}	$y^{34} + 4y^{33} + \cdots + 17y + 1$
c_4, c_7	$y^{34} - 8y^{33} + \cdots - 12903y + 5329$
c_5, c_9	$(y^{17} + 10y^{16} + \cdots - 23y - 4)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.723313 + 0.731528I$ $a = 0.151866 + 0.654346I$ $b = 0.514055 - 0.693038I$	$-0.85292 - 6.04614I$	$-0.59802 + 7.72564I$
$u = -0.723313 - 0.731528I$ $a = 0.151866 - 0.654346I$ $b = 0.514055 + 0.693038I$	$-0.85292 + 6.04614I$	$-0.59802 - 7.72564I$
$u = -0.624264 + 0.668207I$ $a = 0.475559 - 0.697137I$ $b = -0.299501 - 0.231577I$	$1.18281 - 1.86595I$	$4.34837 + 4.33037I$
$u = -0.624264 - 0.668207I$ $a = 0.475559 + 0.697137I$ $b = -0.299501 + 0.231577I$	$1.18281 + 1.86595I$	$4.34837 - 4.33037I$
$u = -0.575012 + 0.946029I$ $a = 0.488103 - 0.422358I$ $b = 0.267905 - 0.921351I$	$0.36198 - 2.83643I$	$1.96538 + 0.68566I$
$u = -0.575012 - 0.946029I$ $a = 0.488103 + 0.422358I$ $b = 0.267905 + 0.921351I$	$0.36198 + 2.83643I$	$1.96538 - 0.68566I$
$u = 0.839419 + 0.294756I$ $a = -2.21863 - 0.02513I$ $b = -1.75177 - 0.94314I$	$-3.32961 - 8.73955I$	$0.19211 + 5.92158I$
$u = 0.839419 - 0.294756I$ $a = -2.21863 + 0.02513I$ $b = -1.75177 + 0.94314I$	$-3.32961 + 8.73955I$	$0.19211 - 5.92158I$
$u = -0.678441 + 0.881986I$ $a = -0.269083 - 0.051645I$ $b = -1.117340 - 0.103610I$	$-1.29776 + 0.72905I$	$-2.79971 - 1.68011I$
$u = -0.678441 - 0.881986I$ $a = -0.269083 + 0.051645I$ $b = -1.117340 + 0.103610I$	$-1.29776 - 0.72905I$	$-2.79971 + 1.68011I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.441434 + 1.051180I$ $a = -0.086124 - 0.253169I$ $b = -1.117340 - 0.103610I$	$-1.29776 + 0.72905I$	$-2.79971 - 1.68011I$
$u = 0.441434 - 1.051180I$ $a = -0.086124 + 0.253169I$ $b = -1.117340 + 0.103610I$	$-1.29776 - 0.72905I$	$-2.79971 + 1.68011I$
$u = -0.484889 + 1.050780I$ $a = 0.26211 - 1.43780I$ $b = -1.36154 - 1.18102I$	$-0.47242 - 3.20284I$	$2.38038 + 3.25895I$
$u = -0.484889 - 1.050780I$ $a = 0.26211 + 1.43780I$ $b = -1.36154 + 1.18102I$	$-0.47242 + 3.20284I$	$2.38038 - 3.25895I$
$u = -0.387508 + 1.102150I$ $a = 0.68089 + 1.93658I$ $b = 2.09444$	-3.76357	$-3.71974 + 0.I$
$u = -0.387508 - 1.102150I$ $a = 0.68089 - 1.93658I$ $b = 2.09444$	-3.76357	$-3.71974 + 0.I$
$u = 0.805751 + 0.171048I$ $a = -1.33086 + 0.63651I$ $b = -1.30277 + 0.63774I$	$-5.23887 - 0.57053I$	$-2.63434 - 0.09683I$
$u = 0.805751 - 0.171048I$ $a = -1.33086 - 0.63651I$ $b = -1.30277 - 0.63774I$	$-5.23887 + 0.57053I$	$-2.63434 + 0.09683I$
$u = 0.492477 + 1.076420I$ $a = 0.071402 + 0.579407I$ $b = 0.514055 + 0.693038I$	$-0.85292 + 6.04614I$	$-0.59802 - 7.72564I$
$u = 0.492477 - 1.076420I$ $a = 0.071402 - 0.579407I$ $b = 0.514055 - 0.693038I$	$-0.85292 - 6.04614I$	$-0.59802 + 7.72564I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.276836 + 1.167190I$ $a = 0.004108 + 1.012990I$ $b = -1.30277 + 0.63774I$	$-5.23887 - 0.57053I$	$-2.63434 - 0.09683I$
$u = 0.276836 - 1.167190I$ $a = 0.004108 - 1.012990I$ $b = -1.30277 - 0.63774I$	$-5.23887 + 0.57053I$	$-2.63434 + 0.09683I$
$u = 0.242359 + 1.211260I$ $a = 0.12569 - 1.56340I$ $b = 1.50375 - 0.40483I$	$-8.21063 - 5.43973I$	$-5.49430 + 3.57628I$
$u = 0.242359 - 1.211260I$ $a = 0.12569 + 1.56340I$ $b = 1.50375 + 0.40483I$	$-8.21063 + 5.43973I$	$-5.49430 - 3.57628I$
$u = 0.556877 + 1.148560I$ $a = -0.15813 + 1.53835I$ $b = -1.75177 + 0.94314I$	$-3.32961 + 8.73955I$	$0.19211 - 5.92158I$
$u = 0.556877 - 1.148560I$ $a = -0.15813 - 1.53835I$ $b = -1.75177 - 0.94314I$	$-3.32961 - 8.73955I$	$0.19211 + 5.92158I$
$u = 0.520828 + 1.178390I$ $a = 0.76467 - 1.29488I$ $b = 1.50375 + 0.40483I$	$-8.21063 + 5.43973I$	$-5.49430 - 3.57628I$
$u = 0.520828 - 1.178390I$ $a = 0.76467 + 1.29488I$ $b = 1.50375 - 0.40483I$	$-8.21063 - 5.43973I$	$-5.49430 + 3.57628I$
$u = 0.372098 + 0.537745I$ $a = -0.782608 - 0.762639I$ $b = 0.267905 + 0.921351I$	$0.36198 + 2.83643I$	$1.96538 - 0.68566I$
$u = 0.372098 - 0.537745I$ $a = -0.782608 + 0.762639I$ $b = 0.267905 - 0.921351I$	$0.36198 - 2.83643I$	$1.96538 + 0.68566I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.521356 + 0.372677I$ $a = 0.897739 + 0.802529I$ $b = -0.299501 - 0.231577I$	$1.18281 - 1.86595I$	$4.34837 + 4.33037I$
$u = 0.521356 - 0.372677I$ $a = 0.897739 - 0.802529I$ $b = -0.299501 + 0.231577I$	$1.18281 + 1.86595I$	$4.34837 - 4.33037I$
$u = -0.596010 + 0.210045I$ $a = -2.57670 + 0.72377I$ $b = -1.36154 + 1.18102I$	$-0.47242 + 3.20284I$	$2.38038 - 3.25895I$
$u = -0.596010 - 0.210045I$ $a = -2.57670 - 0.72377I$ $b = -1.36154 - 1.18102I$	$-0.47242 - 3.20284I$	$2.38038 + 3.25895I$

III. $I_3^u = \langle b+u,\ a,\ u^2+u+1\rangle$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} 1 \\ -u-1 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} u \\ u+1 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 0 \\ -u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} u \\ u+2 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -u \\ -u-1 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 1 \\ -2u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 0 \\ -u \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 8u+4$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_4 c_6, c_7, c_{10}	$u^2 - u + 1$
c_3, c_8	$u^2 + u + 1$
c_5, c_9	u^2

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_4, c_6, c_7 c_8, c_{10}	$y^2 + y + 1$
c_5, c_9	y^2

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.500000 + 0.866025I$ $a = 0$ $b = 0.500000 - 0.866025I$	$-4.05977I$	$0. + 6.92820I$
$u = -0.500000 - 0.866025I$ $a = 0$ $b = 0.500000 + 0.866025I$	$4.05977I$	$0. - 6.92820I$

IV. $I_4^u = \langle b+1,\ a,\ u^2+u+1 \rangle$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ -u-1 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} u \\ u+1 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ -1 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} -u \\ -u-1 \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 0 \\ -1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 3$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_4 c_6, c_7, c_{10}	$u^2 - u + 1$
c_3, c_8	$u^2 + u + 1$
c_5, c_9	u^2

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_4, c_6, c_7 c_8, c_{10}	$y^2 + y + 1$
c_5, c_9	y^2

(vi) Complex Volumes and Cusp Shapes

Solutions to I_4^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.500000 + 0.866025I$ $a = 0$ $b = -1.00000$	0	3.00000
$u = -0.500000 - 0.866025I$ $a = 0$ $b = -1.00000$	0	3.00000

V. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_6	$(u^2-u+1)^2$ $\cdot\,(u^{12}+u^{11}+4u^{10}+3u^9+7u^8+5u^7+6u^6+4u^5+2u^4+2u^3+u^2+1)$ $\cdot\,(u^{34}+2u^{33}+\cdots+3u+1)$
c_2, c_{10}	$((u^2-u+1)^2)(u^{12}+7u^{11}+\cdots+2u+1)(u^{34}+16u^{33}+\cdots+u+1)$
c_3, c_8	$(u^2+u+1)^2$ $\cdot\,(u^{12}+u^{11}+4u^{10}+3u^9+7u^8+5u^7+6u^6+4u^5+2u^4+2u^3+u^2+1)$ $\cdot\,(u^{34}+2u^{33}+\cdots+3u+1)$
c_4, c_7	$((u^2-u+1)^2)(u^{12}-u^{11}+\cdots+2u+1)(u^{34}-2u^{33}+\cdots-183u+73)$
c_5, c_9	$u^4(u^{12}-5u^{11}+\cdots-12u+4)(u^{17}+2u^{16}+\cdots-5u-2)^2$

VI. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_6 c_8	$((y^2+y+1)^2)(y^{12}+7y^{11}+\cdots+2y+1)(y^{34}+16y^{33}+\cdots+y+1)$
c_2, c_{10}	$((y^2+y+1)^2)(y^{12}-y^{11}+\cdots+6y+1)(y^{34}+4y^{33}+\cdots+17y+1)$
c_4, c_7	$((y^2+y+1)^2)(y^{12}-9y^{11}+\cdots+2y+1)$ $\cdot(y^{34}-8y^{33}+\cdots-12903y+5329)$
c_5, c_9	$y^4(y^{12}+5y^{11}+\cdots-16y+16)(y^{17}+10y^{16}+\cdots-23y-4)^2$