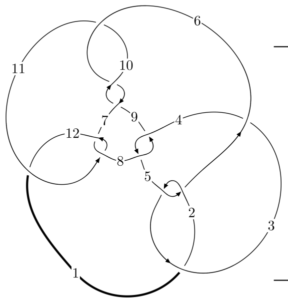
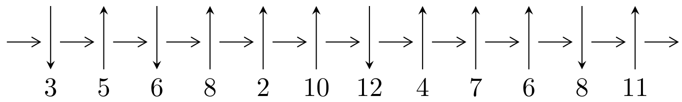
$12n_{0051}$ ($K12n_{0051}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned}
I^u_1 &= \langle -1.54023 \times 10^{25} u^{21} - 4.36397 \times 10^{25} u^{20} + \cdots + 2.35281 \times 10^{27} b - 1.19412 \times 10^{26}, \\
&\quad 4.19615 \times 10^{28} u^{21} + 1.33730 \times 10^{29} u^{20} + \cdots + 1.37404 \times 10^{30} a + 5.83977 \times 10^{30}, \\
&\quad u^{22} + 3u^{21} + \cdots - 160u + 73 \rangle \\
I^u_2 &= \langle b,\ 6u^3 a - 4u^2 a - 3u^3 + 4a^2 + 14au - 2u^2 - 6a - 7u - 7,\ u^4 - u^3 + 3u^2 - 2u + 1 \rangle \\
I^u_3 &= \langle -a^4 u + a^3 u + a^3 - 2a^2 + 4au + 4b - 4a - 4u,\ a^5 + a^4 u - a^4 - 2a^3 u - 4a^2 u - 4a^2 + 4a - 4u + 4,\ u^2 + 1 \rangle
\end{aligned}$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 40 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. $\boldsymbol{I^u_1 = \langle -1.54\times 10^{25}u^{21} - 4.36\times 10^{25}u^{20} + \cdots + 2.35\times 10^{27}b - 1.19\times 10^{26},\ 4.20\times 10^{28}u^{21} + 1.34\times 10^{29}u^{20} + \cdots + 1.37\times 10^{30}a + 5.84\times 10^{30},\ u^{22} + 3u^{21} + \cdots - 160u + 73\rangle}$

(i) Arc colorings

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

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

$$a_{10} = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.0305388u^{21} - 0.0973265u^{20} + \cdots - 6.20155u - 4.25007 \\ 0.00654633u^{21} + 0.0185480u^{20} + \cdots + 4.03131u + 0.0507530 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} u^2 + 1 \\ -u^4 - 2u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.0269488u^{21} - 0.0862650u^{20} + \cdots - 5.94433u - 3.75869 \\ 0.00399982u^{21} + 0.0101440u^{20} + \cdots + 3.98951u - 0.419348 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.0111557u^{21} - 0.0331545u^{20} + \cdots - 11.4392u + 1.82405 \\ 0.00209278u^{21} + 0.00628667u^{20} + \cdots + 2.38388u - 0.320958 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -0.0325563u^{21} - 0.0995247u^{20} + \cdots - 12.3684u - 1.68756 \\ 0.00662300u^{21} + 0.0176776u^{20} + \cdots + 5.55048u - 0.614116 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.00503747u^{21} + 0.0176554u^{20} + \cdots + 0.745076u + 3.13839 \\ -0.000640784u^{21} - 0.00237253u^{20} + \cdots - 0.108742u - 0.457982 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.0116342u^{21} - 0.0404516u^{20} + \cdots + 5.25864u - 5.57795 \\ 0.000768008u^{21} + 0.00322339u^{20} + \cdots + 0.588075u + 0.675650 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -0.00471751u^{21} - 0.0164802u^{20} + \cdots - 0.689358u - 2.34200 \\ 0.000443931u^{21} + 0.00178731u^{20} + \cdots + 0.0810747u + 0.491670 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 0.0299967u^{21} + 0.106465u^{20} + \cdots - 19.9627u + 12.9465$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{22} + 19u^{21} + \cdots + 79u + 16$
c_2, c_5	$u^{22} + 7u^{21} + \cdots + 35u + 4$
c_3	$u^{22} - 16u^{21} + \cdots + 25000u + 3104$
c_4, c_8	$u^{22} - u^{21} + \cdots + 1536u + 2048$
c_6, c_9, c_{10}	$u^{22} + 3u^{21} + \cdots - 160u + 73$
c_7, c_{11}	$u^{22} + 3u^{21} + \cdots + 182u + 73$
c_{12}	$u^{22} + 7u^{21} + \cdots - 67032u + 5329$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{22} - 25y^{21} + \cdots + 179903y + 256$
c_2, c_5	$y^{22} + 19y^{21} + \cdots + 79y + 16$
c_3	$y^{22} - 78y^{21} + \cdots + 78714048y + 9634816$
c_4, c_8	$y^{22} + 91y^{21} + \cdots + 30670848y + 4194304$
c_6, c_9, c_{10}	$y^{22} + 45y^{21} + \cdots + 149016y + 5329$
c_7, c_{11}	$y^{22} - 7y^{21} + \cdots + 67032y + 5329$
c_{12}	$y^{22} + 85y^{21} + \cdots + 2794246372y + 28398241$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.166885 + 0.855784I$ $a = 0.884204 - 0.564449I$ $b = -0.685307 - 0.431142I$	$-1.86083 + 1.88410I$	$-4.29628 - 4.39442I$
$u = 0.166885 - 0.855784I$ $a = 0.884204 + 0.564449I$ $b = -0.685307 + 0.431142I$	$-1.86083 - 1.88410I$	$-4.29628 + 4.39442I$
$u = 1.245170 + 0.161308I$ $a = -0.584895 + 0.469137I$ $b = 0.88430 - 1.76284I$	$-3.01876 + 2.75600I$	$1.05384 - 1.99167I$
$u = 1.245170 - 0.161308I$ $a = -0.584895 - 0.469137I$ $b = 0.88430 + 1.76284I$	$-3.01876 - 2.75600I$	$1.05384 + 1.99167I$
$u = 0.065911 + 1.393150I$ $a = -0.167886 + 0.219714I$ $b = 0.208154 + 0.992360I$	$-7.41484 + 5.99413I$	$-4.98068 - 7.65331I$
$u = 0.065911 - 1.393150I$ $a = -0.167886 - 0.219714I$ $b = 0.208154 - 0.992360I$	$-7.41484 - 5.99413I$	$-4.98068 + 7.65331I$
$u = -0.147428 + 0.530014I$ $a = 2.56324 - 1.19415I$ $b = -0.391902 - 0.411319I$	$0.18307 - 2.82080I$	$2.85537 - 1.68871I$
$u = -0.147428 - 0.530014I$ $a = 2.56324 + 1.19415I$ $b = -0.391902 + 0.411319I$	$0.18307 + 2.82080I$	$2.85537 + 1.68871I$
$u = 0.309359 + 0.401971I$ $a = -0.508079 - 0.818004I$ $b = 0.193284 + 0.440196I$	$0.445026 + 1.231770I$	$4.87220 - 5.67709I$
$u = 0.309359 - 0.401971I$ $a = -0.508079 + 0.818004I$ $b = 0.193284 - 0.440196I$	$0.445026 - 1.231770I$	$4.87220 + 5.67709I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.14190+1.59059I$ $a=-0.104582-0.310705I$ $b=-0.841835-0.832729I$	$-5.61868+1.54212I$	$1.66178-2.03716I$
$u=-0.14190-1.59059I$ $a=-0.104582+0.310705I$ $b=-0.841835+0.832729I$	$-5.61868-1.54212I$	$1.66178+2.03716I$
$u=-0.009993+0.350116I$ $a=-3.01267-0.71642I$ $b=\ \ 0.469397+0.461238I$	$0.96093+1.37462I$	$8.72525-4.65494I$
$u=-0.009993-0.350116I$ $a=-3.01267+0.71642I$ $b=\ \ 0.469397-0.461238I$	$0.96093-1.37462I$	$8.72525+4.65494I$
$u=-0.69231+1.86047I$ $a=-0.585229-1.015730I$ $b=\ \ 1.41273-1.99234I$	$15.9166-13.0727I$	$0.81219+5.19676I$
$u=-0.69231-1.86047I$ $a=-0.585229+1.015730I$ $b=\ \ 1.41273+1.99234I$	$15.9166+13.0727I$	$0.81219-5.19676I$
$u=-0.61577+2.17742I$ $a=\ \ 0.394124+0.984688I$ $b=-1.03067+2.69186I$	$19.2619-5.9056I$	$2.16347+1.69823I$
$u=-0.61577-2.17742I$ $a=\ \ 0.394124-0.984688I$ $b=-1.03067-2.69186I$	$19.2619+5.9056I$	$2.16347-1.69823I$
$u=-1.57086+2.18266I$ $a=\ \ 0.515590+0.201211I$ $b=\ \ 1.02473+4.03132I$	$-13.72130-3.06559I$	0
$u=-1.57086-2.18266I$ $a=\ \ 0.515590-0.201211I$ $b=\ \ 1.02473-4.03132I$	$-13.72130+3.06559I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.10906 + 2.96605I$ $a = -0.102719 - 0.793534I$ $b = -0.74289 - 4.42273I$	$12.96110 + 1.49730I$	0
$u = -0.10906 - 2.96605I$ $a = -0.102719 + 0.793534I$ $b = -0.74289 + 4.42273I$	$12.96110 - 1.49730I$	0

II. $\boldsymbol{I_2^u = \langle b,\ 6u^3a - 3u^3 + \cdots - 6a - 7,\ u^4 - u^3 + 3u^2 - 2u + 1\rangle}$

(i) Arc colorings

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

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

$$a_{10} = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

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

$$a_{11} = \begin{pmatrix} u^2 + 1 \\ -u^3 + u^2 - 2u + 1 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} u^3a - 2u^2a + 2au \\ u^3a - 2u^2a + au \end{pmatrix}$$

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

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

$$a_{12} = \begin{pmatrix} u^3 + 2u \\ -u^3 + u^2 - 2u + 1 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} u^3a - 2u^2a + \frac{3}{2}u^3 + 2au - u^2 + \frac{7}{2}u - \frac{3}{2} \\ u^3a - 2u^2a + au \end{pmatrix}$$

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= \frac{9}{2}u^3a - 5u^2a - \frac{19}{4}u^3 + \frac{21}{2}au + \frac{7}{2}u^2 - \frac{7}{2}a - \frac{55}{4}u + \frac{17}{4}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_5	$(u^2 - u + 1)^4$
c_2	$(u^2 + u + 1)^4$
c_4, c_8	u^8
c_6	$(u^4 + u^3 + 3u^2 + 2u + 1)^2$
c_7	$(u^4 + u^3 + u^2 + 1)^2$
c_9, c_{10}, c_{12}	$(u^4 - u^3 + 3u^2 - 2u + 1)^2$
c_{11}	$(u^4 - u^3 + u^2 + 1)^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_5	$(y^2+y+1)^4$
c_4, c_8	y^8
c_6, c_9, c_{10} c_{12}	$(y^4+5y^3+7y^2+2y+1)^2$
c_7, c_{11}	$(y^4+y^3+3y^2+2y+1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.395123 + 0.506844I$ $a = -1.13839 - 1.09665I$ $b = 0$	$0.21101 + 3.44499I$	$3.71851 - 10.46973I$
$u = 0.395123 + 0.506844I$ $a = 1.51892 - 0.43755I$ $b = 0$	$0.211005 - 0.614778I$	$1.372162 - 0.328352I$
$u = 0.395123 - 0.506844I$ $a = -1.13839 + 1.09665I$ $b = 0$	$0.21101 - 3.44499I$	$3.71851 + 10.46973I$
$u = 0.395123 - 0.506844I$ $a = 1.51892 + 0.43755I$ $b = 0$	$0.211005 + 0.614778I$	$1.372162 + 0.328352I$
$u = 0.10488 + 1.55249I$ $a = -0.435815 + 0.100890I$ $b = 0$	$-6.79074 + 5.19385I$	$0.529613 - 1.243149I$
$u = 0.10488 + 1.55249I$ $a = 0.305281 + 0.326982I$ $b = 0$	$-6.79074 + 1.13408I$	$-4.49529 - 1.20873I$
$u = 0.10488 - 1.55249I$ $a = -0.435815 - 0.100890I$ $b = 0$	$-6.79074 - 5.19385I$	$0.529613 + 1.243149I$
$u = 0.10488 - 1.55249I$ $a = 0.305281 - 0.326982I$ $b = 0$	$-6.79074 - 1.13408I$	$-4.49529 + 1.20873I$

III. $\boldsymbol{I_3^u = \langle -a^4u + a^3u + \cdots - 2a^2 - 4a,\ a^4u - 2a^3u + \cdots + 4a + 4,\ u^2 + 1\rangle}$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -u \\ 0 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} a \\ \frac{1}{4}a^4u - \frac{1}{4}a^3u + \cdots + \frac{1}{2}a^2 + a \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -\frac{1}{4}a^4u + \frac{1}{4}a^3u + \cdots + \frac{1}{4}a^3 - \frac{1}{2}a^2 \\ \frac{1}{4}a^4u - \frac{1}{4}a^3u + \cdots + \frac{1}{2}a^2 + a \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -u \\ -\frac{1}{2}a^3u + a^2u + \cdots + \frac{1}{2}a - 3 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} \frac{1}{4}a^3u - \frac{1}{2}a^2u + \cdots - \frac{1}{4}a^3 + 1 \\ -\frac{1}{2}a^4u + \frac{3}{4}a^3u + \cdots - 2a^2 - a \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} 1 \\ -\frac{1}{4}a^4u + \frac{1}{2}a^3u + \cdots - \frac{1}{2}a + 1 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -\frac{1}{2}a^4u + \frac{1}{4}a^3u + \cdots - 2a^2 - 1 \\ \frac{1}{2}a^4u - \frac{3}{4}a^3u + \cdots + 2a^2 + \frac{1}{2}a \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 1 \\ -\frac{1}{4}a^4u + \frac{1}{2}a^3u + \cdots - a^2 - \frac{1}{2}a \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= a^4 + 2a^3u - 2a^3 - 6a^2u + 8$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)^2$
c_2, c_5	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)^2$
c_3	$(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)^2$
c_4, c_8	$(y^5 + 5y^4 + 8y^3 + 3y^2 - y + 1)^2$
c_6, c_7, c_9 c_{10}, c_{11}	$(y + 1)^{10}$
c_{12}	$(y - 1)^{10}$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.000000I$ $a = -0.794743 + 0.582062I$ $b = 0.21917 + 1.41878I$	$-5.87256 - 4.40083I$	$-0.74431 + 3.49859I$
$u = 1.000000I$ $a = -0.582062 + 0.794743I$ $b = -0.21917 + 1.41878I$	$-5.87256 + 4.40083I$	$-0.74431 - 3.49859I$
$u = 1.000000I$ $a = 0.821196 - 0.821196I$ $b = - 1.217740I$	-2.40108	$2.51886 + 0.I$
$u = 1.000000I$ $a = 2.15793 + 0.60232I$ $b = -0.549911 - 0.309916I$	$-0.32910 + 1.53058I$	$3.48489 - 4.43065I$
$u = 1.000000I$ $a = -0.60232 - 2.15793I$ $b = 0.549911 - 0.309916I$	$-0.32910 - 1.53058I$	$3.48489 + 4.43065I$
$u = - 1.000000I$ $a = -0.582062 - 0.794743I$ $b = -0.21917 - 1.41878I$	$-5.87256 + 4.40083I$	$-0.74431 - 3.49859I$
$u = - 1.000000I$ $a = -0.794743 - 0.582062I$ $b = 0.21917 - 1.41878I$	$-5.87256 - 4.40083I$	$-0.74431 + 3.49859I$
$u = - 1.000000I$ $a = 0.821196 + 0.821196I$ $b = 1.217740I$	-2.40108	$2.51886 + 0.I$
$u = - 1.000000I$ $a = 2.15793 - 0.60232I$ $b = -0.549911 + 0.309916I$	$-0.32910 - 1.53058I$	$3.48489 + 4.43065I$
$u = - 1.000000I$ $a = -0.60232 + 2.15793I$ $b = 0.549911 + 0.309916I$	$-0.32910 + 1.53058I$	$3.48489 - 4.43065I$

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^2-u+1)^4(u^5-3u^4+4u^3-u^2-u+1)^2$ $\cdot(u^{22}+19u^{21}+\cdots+79u+16)$
c_2	$((u^2+u+1)^4)(u^5-u^4+\cdots+u-1)^2(u^{22}+7u^{21}+\cdots+35u+4)$
c_3	$(u^2-u+1)^4(u^5+u^4-2u^3-u^2+u-1)^2$ $\cdot(u^{22}-16u^{21}+\cdots+25000u+3104)$
c_4, c_8	$u^8(u^{10}+5u^8+\cdots-u^2+1)(u^{22}-u^{21}+\cdots+1536u+2048)$
c_5	$((u^2-u+1)^4)(u^5+u^4+\cdots+u+1)^2(u^{22}+7u^{21}+\cdots+35u+4)$
c_6	$((u^2+1)^5)(u^4+u^3+3u^2+2u+1)^2(u^{22}+3u^{21}+\cdots-160u+73)$
c_7	$((u^2+1)^5)(u^4+u^3+u^2+1)^2(u^{22}+3u^{21}+\cdots+182u+73)$
c_9, c_{10}	$((u^2+1)^5)(u^4-u^3+3u^2-2u+1)^2(u^{22}+3u^{21}+\cdots-160u+73)$
c_{11}	$((u^2+1)^5)(u^4-u^3+u^2+1)^2(u^{22}+3u^{21}+\cdots+182u+73)$
c_{12}	$(u-1)^{10}(u^4-u^3+3u^2-2u+1)^2$ $\cdot(u^{22}+7u^{21}+\cdots-67032u+5329)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^2+y+1)^4(y^5-y^4+8y^3-3y^2+3y-1)^2$ $\cdot\,(y^{22}-25y^{21}+\cdots+179903y+256)$
c_2, c_5	$(y^2+y+1)^4(y^5+3y^4+4y^3+y^2-y-1)^2$ $\cdot\,(y^{22}+19y^{21}+\cdots+79y+16)$
c_3	$(y^2+y+1)^4(y^5-5y^4+8y^3-3y^2-y-1)^2$ $\cdot\,(y^{22}-78y^{21}+\cdots+78714048y+9634816)$
c_4, c_8	$y^8(y^5+5y^4+8y^3+3y^2-y+1)^2$ $\cdot\,(y^{22}+91y^{21}+\cdots+30670848y+4194304)$
c_6, c_9, c_{10}	$(y+1)^{10}(y^4+5y^3+7y^2+2y+1)^2$ $\cdot\,(y^{22}+45y^{21}+\cdots+149016y+5329)$
c_7, c_{11}	$(y+1)^{10}(y^4+y^3+3y^2+2y+1)^2$ $\cdot\,(y^{22}-7y^{21}+\cdots+67032y+5329)$
c_{12}	$(y-1)^{10}(y^4+5y^3+7y^2+2y+1)^2$ $\cdot\,(y^{22}+85y^{21}+\cdots+2794246372y+28398241)$