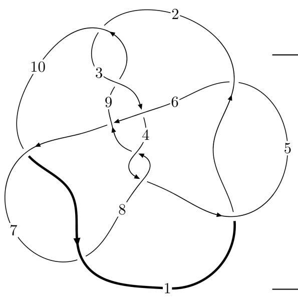
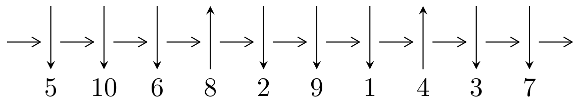
10_{111} $(K10a_{98})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned}
I_1^u &= \langle 39480u^{13} - 1274u^{12} + \cdots + 154933b - 318297,\ -39480u^{13} + 1274u^{12} + \cdots + 154933a + 163364, \\
&\quad u^{14} + u^{13} + u^{12} + u^{11} + 9u^{10} + 5u^9 + 5u^8 + 5u^7 + 17u^6 + 5u^5 + 7u^4 - 4u^3 + 8u^2 - u + 1 \rangle \\
I_2^u &= \langle -8.27934 \times 10^{37}u^{29} - 3.87934 \times 10^{38}u^{28} + \cdots + 1.76638 \times 10^{35}b + 2.60429 \times 10^{38}, \\
&\quad - 2.70329 \times 10^{43}u^{29} - 1.27006 \times 10^{44}u^{28} + \cdots + 1.82589 \times 10^{40}a + 8.84680 \times 10^{43}, \\
&\quad u^{30} + 5u^{29} + \cdots - 14u - 1 \rangle \\
I_3^u &= \langle 4u^5 - 2u^4 - u^3 + b + 16u - 8,\ -4u^5 + 2u^4 + u^3 + a - 16u + 9,\ u^6 - u^5 + 4u^2 - 4u + 1 \rangle
\end{aligned}$$

* 3 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. $I_1^u = \langle 39480u^{13} - 1274u^{12} + \cdots + 154933b - 318297,\ -3.95\times10^4u^{13} + 1274u^{12} + \cdots + 1.55\times10^5a + 1.63\times10^5,\ u^{14} + u^{13} + \cdots - u + 1\rangle$

(i) Arc colorings

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

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

$$a_4 = \begin{pmatrix}1\\u^2\end{pmatrix}$$

$$a_{10} = \begin{pmatrix}0.254820u^{13} - 0.00822291u^{12} + \cdots + 3.57261u - 1.05442\\-0.254820u^{13} + 0.00822291u^{12} + \cdots - 3.57261u + 2.05442\end{pmatrix}$$

$$a_2 = \begin{pmatrix}-1.23639u^{13} - 1.16081u^{12} + \cdots - 8.80020u + 1.50958\\1.49121u^{13} + 1.15259u^{12} + \cdots + 12.3728u - 2.56399\end{pmatrix}$$

$$a_5 = \begin{pmatrix}-1.23092u^{13} - 1.01347u^{12} + \cdots - 9.83592u + 2.03566\\1.69744u^{13} + 1.28920u^{12} + \cdots + 14.8569u - 3.30753\end{pmatrix}$$

$$a_1 = \begin{pmatrix}0.116528u^{13} - 0.0612071u^{12} + \cdots + 2.26064u - 0.978836\\-0.445618u^{13} - 0.321436u^{12} + \cdots - 4.37795u + 1.58789\end{pmatrix}$$

$$a_9 = \begin{pmatrix}1\\-0.254820u^{13} + 0.00822291u^{12} + \cdots - 3.57261u + 2.05442\end{pmatrix}$$

$$a_7 = \begin{pmatrix}-u\\-0.263043u^{13} - 0.260306u^{12} + \cdots - 0.799597u - 0.254820\end{pmatrix}$$

$$a_8 = \begin{pmatrix}0.254820u^{13} - 0.00822291u^{12} + \cdots + 3.57261u - 1.05442\\-0.252083u^{13} + 0.0818935u^{12} + \cdots - 4.09047u + 2.31746\end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= \frac{319153}{154933}u^{13} + \frac{874852}{154933}u^{12} + \cdots + \frac{171234}{154933}u + \frac{3427848}{154933}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$u^{14} - 6u^{12} + 15u^{10} - u^9 - 15u^8 + 2u^7 + 3u^6 - u^3 + 4u^2 + 2u + 1$
c_2, c_9	$u^{14} - 10u^{13} + \cdots - 60u + 8$
c_3, c_6	$u^{14} - u^{13} + \cdots + u + 1$
c_4, c_8	$u^{14} - 11u^{13} + \cdots - 224u + 32$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$y^{14} - 12y^{13} + \cdots + 4y + 1$
c_2, c_9	$y^{14} + 4y^{13} + \cdots + 240y + 64$
c_3, c_6	$y^{14} + y^{13} + \cdots + 15y + 1$
c_4, c_8	$y^{14} + 5y^{13} + \cdots + 512y + 1024$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.480433 + 0.861641I$ $a = 0.839666 + 1.114140I$ $b = 0.160334 - 1.114140I$	$3.38735 - 0.25005I$	$-0.72285 + 2.46287I$
$u = -0.480433 - 0.861641I$ $a = 0.839666 - 1.114140I$ $b = 0.160334 + 1.114140I$	$3.38735 + 0.25005I$	$-0.72285 - 2.46287I$
$u = -1.048940 + 0.652179I$ $a = -0.187430 - 0.232557I$ $b = 1.187430 + 0.232557I$	$-10.88730 + 7.87015I$	$-12.80126 - 5.10311I$
$u = -1.048940 - 0.652179I$ $a = -0.187430 + 0.232557I$ $b = 1.187430 - 0.232557I$	$-10.88730 - 7.87015I$	$-12.80126 + 5.10311I$
$u = 0.486006 + 0.497659I$ $a = 0.703941 + 0.328567I$ $b = 0.296059 - 0.328567I$	$-0.46723 - 1.34385I$	$-4.53324 + 5.44435I$
$u = 0.486006 - 0.497659I$ $a = 0.703941 - 0.328567I$ $b = 0.296059 + 0.328567I$	$-0.46723 + 1.34385I$	$-4.53324 - 5.44435I$
$u = 0.775295 + 1.049040I$ $a = 0.248822 - 1.259320I$ $b = 0.75118 + 1.25932I$	$-1.57595 - 8.21733I$	$-8.00559 + 6.90533I$
$u = 0.775295 - 1.049040I$ $a = 0.248822 + 1.259320I$ $b = 0.75118 - 1.25932I$	$-1.57595 + 8.21733I$	$-8.00559 - 6.90533I$
$u = 0.96587 + 1.05626I$ $a = 0.706527 - 1.007890I$ $b = 0.293473 + 1.007890I$	$1.24241 - 4.01184I$	$-4.00908 + 1.51637I$
$u = 0.96587 - 1.05626I$ $a = 0.706527 + 1.007890I$ $b = 0.293473 - 1.007890I$	$1.24241 + 4.01184I$	$-4.00908 - 1.51637I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.025861 + 0.375115I$ $a = -0.66482 + 1.30083I$ $b = 1.66482 - 1.30083I$	$-3.88016 - 0.30866I$	$21.1851 - 1.2071I$
$u = 0.025861 - 0.375115I$ $a = -0.66482 - 1.30083I$ $b = 1.66482 + 1.30083I$	$-3.88016 + 0.30866I$	$21.1851 + 1.2071I$
$u = -1.22366 + 1.15195I$ $a = 0.353292 + 1.290880I$ $b = 0.64671 - 1.29088I$	$-7.5584 + 14.2650I$	$-9.61306 - 7.45903I$
$u = -1.22366 - 1.15195I$ $a = 0.353292 - 1.290880I$ $b = 0.64671 + 1.29088I$	$-7.5584 - 14.2650I$	$-9.61306 + 7.45903I$

II. $\boldsymbol{I_2^u = \langle -8.28 \times 10^{37}u^{29} - 3.88 \times 10^{38}u^{28} + \cdots + 1.77 \times 10^{35}b + 2.60 \times 10^{38},\ -2.70 \times 10^{43}u^{29} - 1.27 \times 10^{44}u^{28} + \cdots + 1.83 \times 10^{40}a + 8.85 \times 10^{43},\ u^{30} + 5u^{29} + \cdots - 14u - 1\rangle}$

(i) Arc colorings

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

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

$$a_4 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1480.53u^{29} + 6955.82u^{28} + \cdots - 52108.0u - 4845.20 \\ 468.718u^{29} + 2196.21u^{28} + \cdots - 16062.1u - 1474.36 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -1085.37u^{29} - 5070.52u^{28} + \cdots + 36285.0u + 3322.75 \\ 350.689u^{29} + 1665.42u^{28} + \cdots - 13806.5u - 1340.83 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -991.168u^{29} - 4565.91u^{28} + \cdots + 28334.6u + 2429.77 \\ 398.530u^{29} + 1884.97u^{28} + \cdots - 15091.1u - 1445.96 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -1780.35u^{29} - 8495.89u^{28} + \cdots + 72515.7u + 7062.23 \\ -181.114u^{29} - 833.946u^{28} + \cdots + 5098.47u + 429.698 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1949.25u^{29} + 9152.03u^{28} + \cdots - 68170.1u - 6319.56 \\ 468.718u^{29} + 2196.21u^{28} + \cdots - 16062.1u - 1474.36 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 1388.04u^{29} + 6649.23u^{28} + \cdots - 58366.7u - 5729.66 \\ 268.310u^{29} + 1245.03u^{28} + \cdots - 8303.63u - 734.682 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 1659.04u^{29} + 7795.68u^{28} + \cdots - 58477.9u - 5439.43 \\ 437.990u^{29} + 2052.51u^{28} + \cdots - 15026.1u - 1379.63 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -1720.55u^{29} - 8153.31u^{28} + \cdots + 66031.6u + 6330.33$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$u^{30} + u^{29} + \cdots + 212u + 11$
c_2, c_9	$(u^5 + u^4 + 2u^3 + u^2 + u + 1)^6$
c_3, c_6	$u^{30} - 5u^{29} + \cdots + 14u - 1$
c_4, c_8	$(u^3 + u^2 + 2u + 1)^{10}$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$y^{30} - 25y^{29} + \cdots - 32360y + 121$
c_2, c_9	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)^6$
c_3, c_6	$y^{30} - 5y^{29} + \cdots - 56y + 1$
c_4, c_8	$(y^3 + 3y^2 + 2y - 1)^{10}$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.711013 + 0.598106I$ $a = -0.891374 - 0.831846I$ $b = -0.455697 + 1.200150I$	$2.05122 + 4.40083I$	$-2.23618 - 3.49859I$
$u = -0.711013 - 0.598106I$ $a = -0.891374 + 0.831846I$ $b = -0.455697 - 1.200150I$	$2.05122 - 4.40083I$	$-2.23618 + 3.49859I$
$u = -1.108120 + 0.043065I$ $a = 0.244564 - 0.869058I$ $b = 0.339110 - 0.822375I$	$-7.62983 - 1.29754I$	$-12.99464 - 1.45120I$
$u = -1.108120 - 0.043065I$ $a = 0.244564 + 0.869058I$ $b = 0.339110 + 0.822375I$	$-7.62983 + 1.29754I$	$-12.99464 + 1.45120I$
$u = 0.750590 + 0.816532I$ $a = -0.254359 + 0.536218I$ $b = -0.766826$	$-5.55785 - 2.82812I$	$-12.02861 + 2.97945I$
$u = 0.750590 - 0.816532I$ $a = -0.254359 - 0.536218I$ $b = -0.766826$	$-5.55785 + 2.82812I$	$-12.02861 - 2.97945I$
$u = 0.723473 + 0.513234I$ $a = 0.226305 - 0.956455I$ $b = -0.455697 + 1.200150I$	$-2.08637 + 1.57271I$	$-8.76544 - 0.51914I$
$u = 0.723473 - 0.513234I$ $a = 0.226305 + 0.956455I$ $b = -0.455697 - 1.200150I$	$-2.08637 - 1.57271I$	$-8.76544 + 0.51914I$
$u = 0.375132 + 0.793055I$ $a = -0.26221 - 2.41312I$ $b = 0.339110 + 0.822375I$	$-3.49225 - 1.53058I$	$-6.46537 + 4.43065I$
$u = 0.375132 - 0.793055I$ $a = -0.26221 + 2.41312I$ $b = 0.339110 - 0.822375I$	$-3.49225 + 1.53058I$	$-6.46537 - 4.43065I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.953025 + 0.838377I$ $a = -1.10687 + 1.14990I$ $b = -0.455697 - 1.200150I$	$-2.08637 - 7.22895I$	0
$u = 0.953025 - 0.838377I$ $a = -1.10687 - 1.14990I$ $b = -0.455697 + 1.200150I$	$-2.08637 + 7.22895I$	0
$u = -1.204330 + 0.431350I$ $a = -0.000782 + 0.403066I$ $b = -0.766826$	$-5.55785 + 2.82812I$	0
$u = -1.204330 - 0.431350I$ $a = -0.000782 - 0.403066I$ $b = -0.766826$	$-5.55785 - 2.82812I$	0
$u = 0.737499 + 1.067560I$ $a = -0.235020 + 1.389000I$ $b = -0.455697 - 1.200150I$	$2.05122 - 4.40083I$	0
$u = 0.737499 - 1.067560I$ $a = -0.235020 - 1.389000I$ $b = -0.455697 + 1.200150I$	$2.05122 + 4.40083I$	0
$u = 0.680032$ $a = 0.340860$ $b = -0.766826$	-1.42027	-5.49930
$u = 1.290400 + 0.535753I$ $a = -0.308791 + 0.195205I$ $b = 0.339110 - 0.822375I$	$-3.49225 + 1.53058I$	0
$u = 1.290400 - 0.535753I$ $a = -0.308791 - 0.195205I$ $b = 0.339110 + 0.822375I$	$-3.49225 - 1.53058I$	0
$u = -0.320748 + 0.034597I$ $a = 5.85652 - 4.23753I$ $b = 0.339110 + 0.822375I$	$-7.62983 - 4.35870I$	$-12.9946 + 7.4101I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.320748-0.034597I$ $a=\ \ 5.85652+4.23753I$ $b=\ \ 0.339110-0.822375I$	$-7.62983+4.35870I$	$-12.9946-7.4101I$
$u=-0.291032+0.058576I$ $a=-1.59228-3.37585I$ $b=-0.455697+1.200150I$	$-2.08637+1.57271I$	$-8.76544-0.51914I$
$u=-0.291032-0.058576I$ $a=-1.59228+3.37585I$ $b=-0.455697-1.200150I$	$-2.08637-1.57271I$	$-8.76544+0.51914I$
$u=-0.289671$ $a=-1.58078$ $b=-0.766826$	-1.42027	-5.49930
$u=-0.57394+1.89944I$ $a=-0.156804+1.350680I$ $b=\ \ 0.339110-0.822375I$	$-7.62983-1.29754I$	0
$u=-0.57394-1.89944I$ $a=-0.156804-1.350680I$ $b=\ \ 0.339110+0.822375I$	$-7.62983+1.29754I$	0
$u=-1.44704+1.35792I$ $a=-0.183612-1.220710I$ $b=-0.455697+1.200150I$	$-2.08637+7.22895I$	0
$u=-1.44704-1.35792I$ $a=-0.183612+1.220710I$ $b=-0.455697-1.200150I$	$-2.08637-7.22895I$	0
$u=-1.86908+1.30976I$ $a=-0.215319-0.754139I$ $b=\ \ 0.339110+0.822375I$	$-7.62983-4.35870I$	0
$u=-1.86908-1.30976I$ $a=-0.215319+0.754139I$ $b=\ \ 0.339110-0.822375I$	$-7.62983+4.35870I$	0

III. $\boldsymbol{I^u_3} =$
$\langle 4u^5-2u^4-u^3+b+16u-8,\ -4u^5+2u^4+u^3+a-16u+9,\ u^6-u^5+4u^2-4u+1\rangle$

(i) Arc colorings

$$a_3 = \begin{pmatrix}1\\0\end{pmatrix}$$
$$a_6 = \begin{pmatrix}0\\u\end{pmatrix}$$
$$a_4 = \begin{pmatrix}1\\u^2\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}4u^5-2u^4-u^3+16u-9\\-4u^5+2u^4+u^3-16u+8\end{pmatrix}$$
$$a_2 = \begin{pmatrix}-3u^5+2u^4+u^3-12u+8\\-u^5-4u+1\end{pmatrix}$$
$$a_5 = \begin{pmatrix}-5u^5+3u^4+u^3+u^2-20u+12\\u-1\end{pmatrix}$$
$$a_1 = \begin{pmatrix}4u^5-2u^4-u^3+15u-8\\-2u^5+u^4-7u+3\end{pmatrix}$$
$$a_9 = \begin{pmatrix}-1\\-4u^5+2u^4+u^3-16u+8\end{pmatrix}$$
$$a_7 = \begin{pmatrix}-u\\-2u^5+u^4-7u+4\end{pmatrix}$$
$$a_8 = \begin{pmatrix}4u^5-2u^4-u^3-u^2+16u-9\\-3u^5+u^4+u^3-12u+6\end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -25u^5+10u^4+7u^3+5u^2-96u+32$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$y^6 - 6y^5 + 15y^4 - 16y^3 + 7y^2 - 3y + 1$
c_2, c_9	$y^6 + y^5 - y^4 - 4y^3 - y^2 + 2y + 1$
c_3, c_6	$y^6 - y^5 + 8y^4 - 6y^3 + 16y^2 - 8y + 1$
c_4, c_8	$y^6 + 2y^5 - y^4 - 4y^3 - y^2 + y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.008100 + 0.927438I$ $a = -0.516513 + 1.114980I$ $b = -0.483487 - 1.114980I$	$0.45357 - 5.18068I$	$-8.71093 + 6.15331I$
$u = 1.008100 - 0.927438I$ $a = -0.516513 - 1.114980I$ $b = -0.483487 + 1.114980I$	$0.45357 + 5.18068I$	$-8.71093 - 6.15331I$
$u = 0.584070$ $a = 0.185012$ $b = -1.18501$	-2.13209	-21.5060
$u = -1.02499 + 0.98915I$ $a = -1.124000 - 0.785288I$ $b = 0.124001 + 0.785288I$	$-7.16447 - 3.17324I$	$-9.24905 + 1.07022I$
$u = -1.02499 - 0.98915I$ $a = -1.124000 + 0.785288I$ $b = 0.124001 - 0.785288I$	$-7.16447 + 3.17324I$	$-9.24905 - 1.07022I$
$u = 0.449699$ $a = -1.90398$ $b = 0.903984$	-4.18532	-9.57420

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_7	$(u^6+2u^5-u^4-4u^3-u^2+u+1)$ $\cdot\,(u^{14}-6u^{12}+15u^{10}-u^9-15u^8+2u^7+3u^6-u^3+4u^2+2u+1)$ $\cdot\,(u^{30}+u^{29}+\cdots+212u+11)$
c_2	$(u^5+u^4+2u^3+u^2+u+1)^6(u^6+u^5+u^4-u^2-1)$ $\cdot\,(u^{14}-10u^{13}+\cdots-60u+8)$
c_3, c_6	$(u^6-u^5+4u^2-4u+1)(u^{14}-u^{13}+\cdots+u+1)$ $\cdot\,(u^{30}-5u^{29}+\cdots+14u-1)$
c_4	$(u^3+u^2+2u+1)^{10}(u^6+u^4-u^2-u-1)$ $\cdot\,(u^{14}-11u^{13}+\cdots-224u+32)$
c_5, c_{10}	$(u^6-2u^5-u^4+4u^3-u^2-u+1)$ $\cdot\,(u^{14}-6u^{12}+15u^{10}-u^9-15u^8+2u^7+3u^6-u^3+4u^2+2u+1)$ $\cdot\,(u^{30}+u^{29}+\cdots+212u+11)$
c_8	$(u^3+u^2+2u+1)^{10}(u^6+u^4-u^2+u-1)$ $\cdot\,(u^{14}-11u^{13}+\cdots-224u+32)$
c_9	$(u^5+u^4+2u^3+u^2+u+1)^6(u^6-u^5+u^4-u^2-1)$ $\cdot\,(u^{14}-10u^{13}+\cdots-60u+8)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7 c_{10}	$(y^6 - 6y^5 + \cdots - 3y + 1)(y^{14} - 12y^{13} + \cdots + 4y + 1)$ $\cdot (y^{30} - 25y^{29} + \cdots - 32360y + 121)$
c_2, c_9	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)^6(y^6 + y^5 - y^4 - 4y^3 - y^2 + 2y + 1)$ $\cdot (y^{14} + 4y^{13} + \cdots + 240y + 64)$
c_3, c_6	$(y^6 - y^5 + \cdots - 8y + 1)(y^{14} + y^{13} + \cdots + 15y + 1)$ $\cdot (y^{30} - 5y^{29} + \cdots - 56y + 1)$
c_4, c_8	$(y^3 + 3y^2 + 2y - 1)^{10}(y^6 + 2y^5 - y^4 - 4y^3 - y^2 + y + 1)$ $\cdot (y^{14} + 5y^{13} + \cdots + 512y + 1024)$