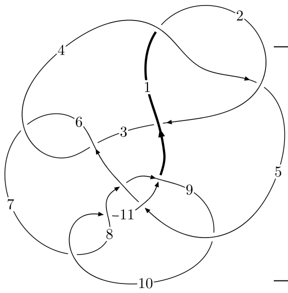
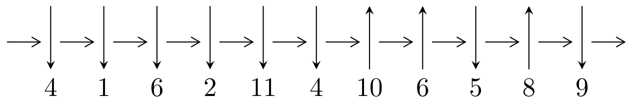
$11n_{40}$ ($K11n_{40}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle 8.07539 \times 10^{36} u^{46} + 6.00242 \times 10^{37} u^{45} + \cdots + 8.54755 \times 10^{36} b + 1.34031 \times 10^{37},$$
$$1.86673 \times 10^{35} u^{46} - 1.48910 \times 10^{36} u^{45} + \cdots + 4.27377 \times 10^{36} a + 1.07223 \times 10^{37},\ u^{47} + 8u^{46} + \cdots + 7u + 1$$
$$I_2^u = \langle -3a^5 + 13a^4 - 7a^3 - 17a^2 + 13b - 21a + 7,\ a^6 - 6a^5 + 11a^4 - 4a^3 - a^2 - a + 1,\ u - 1\rangle$$
$$I_3^u = \langle b,\ a - 3u - 5,\ u^2 + u - 1\rangle$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 55 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.

$$I_1^u = \langle 8.08 \times 10^{36} u^{46} + 6.00 \times 10^{37} u^{45} + \cdots + 8.55 \times 10^{36} b + 1.34 \times 10^{37},\ 1.87 \times 10^{35} u^{46} - 1.49 \times 10^{36} u^{45} + \cdots + 4.27 \times 10^{36} a + 1.07 \times 10^{37},\ u^{47} + 8u^{46} + \cdots + 7u + 1 \rangle$$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

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

$$a_5 = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -0.0436786u^{46} + 0.348428u^{45} + \cdots - 27.9405u - 2.50886 \\ -0.944761u^{46} - 7.02239u^{45} + \cdots - 8.76360u - 1.56807 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.183235u^{46} + 2.58132u^{45} + \cdots - 20.0808u - 1.19485 \\ -2.50742u^{46} - 18.7010u^{45} + \cdots - 19.7734u - 3.29966 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -1.08058u^{46} - 8.14247u^{45} + \cdots - 9.68656u + 1.51066 \\ -0.508743u^{46} - 3.94324u^{45} + \cdots - 9.53527u - 1.05799 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0.377639u^{46} + 2.54848u^{45} + \cdots - 12.1966u - 0.249306 \\ 0.653298u^{46} + 5.04572u^{45} + \cdots + 6.43493u + 1.03094 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.377639u^{46} + 2.54848u^{45} + \cdots - 12.1966u - 0.249306 \\ 1.15585u^{46} + 8.72441u^{45} + \cdots + 9.36570u + 1.50357 \end{pmatrix}$$

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

$$a_8 = \begin{pmatrix} -0.334510u^{46} - 1.43080u^{45} + \cdots - 34.1017u - 1.22443 \\ -1.47305u^{46} - 11.2678u^{45} + \cdots - 14.9627u - 2.38719 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.334510u^{46} - 1.43080u^{45} + \cdots - 34.1017u - 1.22443 \\ -1.47305u^{46} - 11.2678u^{45} + \cdots - 14.9627u - 2.38719 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -7.05583u^{46} - 61.7041u^{45} + \cdots + 99.8008u + 14.7497$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4	$u^{47} - 8u^{46} + \cdots + 7u - 1$
c_2	$u^{47} + 18u^{46} + \cdots - 3u + 1$
c_3, c_6	$u^{47} - 2u^{46} + \cdots - 64u - 64$
c_5	$u^{47} - 3u^{46} + \cdots + 2u - 1$
c_7, c_{10}	$u^{47} + 4u^{46} + \cdots - 11u - 1$
c_8	$u^{47} + 3u^{46} + \cdots + 698u + 191$
c_9	$u^{47} - u^{46} + \cdots - 3568u - 5873$
c_{11}	$u^{47} - 8u^{46} + \cdots + 48u + 4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{47} - 18y^{46} + \cdots - 3y - 1$
c_2	$y^{47} + 30y^{46} + \cdots - 1935y - 1$
c_3, c_6	$y^{47} + 36y^{46} + \cdots - 61440y - 4096$
c_5	$y^{47} + y^{46} + \cdots + 8y - 1$
c_7, c_{10}	$y^{47} - 38y^{46} + \cdots + 407y - 1$
c_8	$y^{47} - 59y^{46} + \cdots + 1536176y - 36481$
c_9	$y^{47} - 19y^{46} + \cdots + 74984424y - 34492129$
c_{11}	$y^{47} + 12y^{46} + \cdots + 1080y - 16$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.033480 + 0.093725I$ $a = -4.34666 - 0.37811I$ $b = -0.484814 + 0.321200I$	$0.321927 - 0.588102I$	$-6.8283 - 18.9142I$
$u = 1.033480 - 0.093725I$ $a = -4.34666 + 0.37811I$ $b = -0.484814 - 0.321200I$	$0.321927 + 0.588102I$	$-6.8283 + 18.9142I$
$u = -0.757104 + 0.786690I$ $a = -0.082397 + 1.043700I$ $b = -0.149310 - 0.794646I$	$3.72033 + 1.52573I$	$-5.00000 - 4.80548I$
$u = -0.757104 - 0.786690I$ $a = -0.082397 - 1.043700I$ $b = -0.149310 + 0.794646I$	$3.72033 - 1.52573I$	$-5.00000 + 4.80548I$
$u = 0.764975 + 0.478588I$ $a = -0.05345 - 1.98335I$ $b = 0.667437 + 1.036640I$	$-1.05831 - 3.36011I$	$-6.88945 + 7.26716I$
$u = 0.764975 - 0.478588I$ $a = -0.05345 + 1.98335I$ $b = 0.667437 - 1.036640I$	$-1.05831 + 3.36011I$	$-6.88945 - 7.26716I$
$u = -0.698652 + 0.895191I$ $a = -0.993201 - 0.828921I$ $b = 0.82225 + 1.68360I$	$4.30107 - 2.55894I$	0
$u = -0.698652 - 0.895191I$ $a = -0.993201 + 0.828921I$ $b = 0.82225 - 1.68360I$	$4.30107 + 2.55894I$	0
$u = 1.202260 + 0.035924I$ $a = -0.067077 - 0.771324I$ $b = 0.578274 - 0.672866I$	$-2.41059 + 1.46028I$	0
$u = 1.202260 - 0.035924I$ $a = -0.067077 + 0.771324I$ $b = 0.578274 + 0.672866I$	$-2.41059 - 1.46028I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.898968 + 0.805280I$ $a = 1.48193 - 0.16674I$ $b = 0.682111 + 0.148627I$	$5.31855 + 3.02042I$	0
$u = -0.898968 - 0.805280I$ $a = 1.48193 + 0.16674I$ $b = 0.682111 - 0.148627I$	$5.31855 - 3.02042I$	0
$u = -0.778806 + 0.103648I$ $a = -1.004530 + 0.086037I$ $b = -1.151800 + 0.485072I$	$-1.17157 + 5.91398I$	$2.20637 - 8.69493I$
$u = -0.778806 - 0.103648I$ $a = -1.004530 - 0.086037I$ $b = -1.151800 - 0.485072I$	$-1.17157 - 5.91398I$	$2.20637 + 8.69493I$
$u = 0.855886 + 0.862796I$ $a = -0.143884 + 1.345810I$ $b = -0.720152 - 1.125900I$	$3.93862 - 7.66972I$	0
$u = 0.855886 - 0.862796I$ $a = -0.143884 - 1.345810I$ $b = -0.720152 + 1.125900I$	$3.93862 + 7.66972I$	0
$u = -0.998921 + 0.724997I$ $a = -0.824145 - 0.951628I$ $b = -0.454183 + 0.696516I$	$2.96538 + 4.21460I$	0
$u = -0.998921 - 0.724997I$ $a = -0.824145 + 0.951628I$ $b = -0.454183 - 0.696516I$	$2.96538 - 4.21460I$	0
$u = -0.861156 + 0.894994I$ $a = -0.33542 - 1.57495I$ $b = -1.77332 + 1.19079I$	$8.18563 + 0.96335I$	0
$u = -0.861156 - 0.894994I$ $a = -0.33542 + 1.57495I$ $b = -1.77332 - 1.19079I$	$8.18563 - 0.96335I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.690875 + 0.281167I$ $a = -1.63585 + 0.73751I$ $b = 0.155632 - 0.399985I$	$-0.875787 - 0.039510I$	$-8.12380 - 0.07387I$
$u = 0.690875 - 0.281167I$ $a = -1.63585 - 0.73751I$ $b = 0.155632 + 0.399985I$	$-0.875787 + 0.039510I$	$-8.12380 + 0.07387I$
$u = -0.565814 + 1.147400I$ $a = 0.586418 + 0.893805I$ $b = -0.92728 - 1.37308I$	$10.31450 - 8.43955I$	0
$u = -0.565814 - 1.147400I$ $a = 0.586418 - 0.893805I$ $b = -0.92728 + 1.37308I$	$10.31450 + 8.43955I$	0
$u = -0.969617 + 0.854773I$ $a = 0.945992 + 0.082576I$ $b = -1.47588 - 1.57575I$	$7.84802 + 5.50326I$	0
$u = -0.969617 - 0.854773I$ $a = 0.945992 - 0.082576I$ $b = -1.47588 + 1.57575I$	$7.84802 - 5.50326I$	0
$u = 0.687161$ $a = 11.6667$ $b = 0.145926$	0.618242	-202.120
$u = 0.989321 + 0.869498I$ $a = 0.710026 - 0.507400I$ $b = -0.247996 + 0.981313I$	$3.55960 + 1.25869I$	0
$u = 0.989321 - 0.869498I$ $a = 0.710026 + 0.507400I$ $b = -0.247996 - 0.981313I$	$3.55960 - 1.25869I$	0
$u = -0.526112 + 1.208050I$ $a = -0.180970 - 0.781461I$ $b = 0.148746 + 1.186400I$	$9.82610 + 0.01608I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.526112-1.208050I$ $a=-0.180970+0.781461I$ $b=0.148746-1.186400I$	$9.82610-0.01608I$	0
$u=-1.065440+0.776679I$ $a=0.79380+1.47518I$ $b=1.23888-1.53370I$	$3.17396+8.77694I$	0
$u=-1.065440-0.776679I$ $a=0.79380-1.47518I$ $b=1.23888+1.53370I$	$3.17396-8.77694I$	0
$u=-0.626077+0.139965I$ $a=0.942781+0.803760I$ $b=1.225360+0.246198I$	$-2.68564-0.62982I$	$-2.91172-0.97884I$
$u=-0.626077-0.139965I$ $a=0.942781-0.803760I$ $b=1.225360-0.246198I$	$-2.68564+0.62982I$	$-2.91172+0.97884I$
$u=-1.21414+0.79886I$ $a=-0.80618-1.32555I$ $b=-1.15564+1.28689I$	$8.2500+15.4047I$	0
$u=-1.21414-0.79886I$ $a=-0.80618+1.32555I$ $b=-1.15564-1.28689I$	$8.2500-15.4047I$	0
$u=0.434172+0.311062I$ $a=0.51325-2.05221I$ $b=-0.968161+0.658442I$	$2.25397-1.36700I$	$1.30471+4.47621I$
$u=0.434172-0.311062I$ $a=0.51325+2.05221I$ $b=-0.968161-0.658442I$	$2.25397+1.36700I$	$1.30471-4.47621I$
$u=0.525437$ $a=-1.52938$ $b=0.222426$	-0.954527	-10.1140

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.25537 + 0.82211I$ $a = 0.569872 + 0.706242I$ $b = 0.530975 - 1.012180I$	$7.53187 + 7.19737I$	0
$u = -1.25537 - 0.82211I$ $a = 0.569872 - 0.706242I$ $b = 0.530975 + 1.012180I$	$7.53187 - 7.19737I$	0
$u = 1.52770 + 0.06121I$ $a = -0.230584 - 0.148433I$ $b = -0.522294 - 0.982637I$	$1.89096 - 4.57089I$	0
$u = 1.52770 - 0.06121I$ $a = -0.230584 + 0.148433I$ $b = -0.522294 + 0.982637I$	$1.89096 + 4.57089I$	0
$u = -1.59066$ $a = -0.00631231$ $b = 0.284188$	-7.32077	0
$u = -0.093469 + 0.137034I$ $a = 1.09478 - 2.52730I$ $b = -0.345092 - 0.814513I$	$1.82947 + 1.07812I$	$2.48829 - 1.79959I$
$u = -0.093469 - 0.137034I$ $a = 1.09478 + 2.52730I$ $b = -0.345092 + 0.814513I$	$1.82947 - 1.07812I$	$2.48829 + 1.79959I$

II. $I^u_2 =$ $\langle -3a^5+13a^4-7a^3-17a^2+13b-21a+7,\ a^6-6a^5+11a^4-4a^3-a^2-a+1,\ u-1\rangle$

(i) Arc colorings

$$a_1 = \begin{pmatrix}1\\0\end{pmatrix}$$
$$a_4 = \begin{pmatrix}0\\1\end{pmatrix}$$
$$a_2 = \begin{pmatrix}1\\1\end{pmatrix}$$
$$a_5 = \begin{pmatrix}-1\\0\end{pmatrix}$$
$$a_9 = \begin{pmatrix}a\\ \frac{3}{13}a^5 - a^4 + \cdots + \frac{21}{13}a - \frac{7}{13}\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}-\frac{3}{13}a^5 + a^4 + \cdots - \frac{8}{13}a + \frac{7}{13}\\ \frac{3}{13}a^5 - a^4 + \cdots + \frac{21}{13}a - \frac{7}{13}\end{pmatrix}$$
$$a_{11} = \begin{pmatrix}-\frac{5}{13}a^5 + 2a^4 + \cdots + \frac{4}{13}a + \frac{16}{13}\\ -1.15385a^5 + 6a^4 + \cdots + 0.923077a + 0.692308\end{pmatrix}$$
$$a_6 = \begin{pmatrix}0\\ -2.07692a^5 + 11a^4 + \cdots + 2.46154a + 2.84615\end{pmatrix}$$
$$a_7 = \begin{pmatrix}0\\ -2.07692a^5 + 11a^4 + \cdots + 2.46154a + 2.84615\end{pmatrix}$$
$$a_3 = \begin{pmatrix}0\\1\end{pmatrix}$$
$$a_8 = \begin{pmatrix}a\\ -1.92308a^5 + 10a^4 + \cdots + 0.538462a + 2.15385\end{pmatrix}$$
$$a_8 = \begin{pmatrix}a\\ -1.92308a^5 + 10a^4 + \cdots + 0.538462a + 2.15385\end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= \frac{28}{13}a^5 - 11a^4 + \frac{178}{13}a^3 + \frac{85}{13}a^2 - \frac{12}{13}a - \frac{204}{13}$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.00000$ $a = 0.658836 + 0.177500I$ $b = 1.073950 + 0.558752I$	$-1.64493 - 5.69302I$	$-11.70582 + 2.69056I$
$u = 1.00000$ $a = 0.658836 - 0.177500I$ $b = 1.073950 - 0.558752I$	$-1.64493 + 5.69302I$	$-11.70582 - 2.69056I$
$u = 1.00000$ $a = -0.346225 + 0.393823I$ $b = -1.002190 + 0.295542I$	$-3.53554 + 0.92430I$	$-13.12292 - 1.33143I$
$u = 1.00000$ $a = -0.346225 - 0.393823I$ $b = -1.002190 - 0.295542I$	$-3.53554 - 0.92430I$	$-13.12292 + 1.33143I$
$u = 1.00000$ $a = 2.68739 + 0.76772I$ $b = 0.428243 - 0.664531I$	$0.245672 - 0.924305I$	$-5.17126 + 7.13914I$
$u = 1.00000$ $a = 2.68739 - 0.76772I$ $b = 0.428243 + 0.664531I$	$0.245672 + 0.924305I$	$-5.17126 - 7.13914I$

III. $I_3^u = \langle b,\ a - 3u - 5,\ u^2 + u - 1\rangle$

(i) Arc colorings

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 41$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.618034$ $a = 6.85410$ $b = 0$	0.657974	41.0000
$u = -1.61803$ $a = 0.145898$ $b = 0$	−7.23771	41.0000

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^6)(u^2+u-1)(u^{47}-8u^{46}+\cdots+7u-1)$
c_2	$((u+1)^6)(u^2+3u+1)(u^{47}+18u^{46}+\cdots-3u+1)$
c_3	$u^6(u^2+u-1)(u^{47}-2u^{46}+\cdots-64u-64)$
c_4	$((u+1)^6)(u^2-u-1)(u^{47}-8u^{46}+\cdots+7u-1)$
c_5	$(u^2+3u+1)(u^6-3u^5+5u^4-4u^3+2u^2-u+1)$ $\cdot(u^{47}-3u^{46}+\cdots+2u-1)$
c_6	$u^6(u^2-u-1)(u^{47}-2u^{46}+\cdots-64u-64)$
c_7	$((u+1)^2)(u^6-u^5+\cdots-u+1)(u^{47}+4u^{46}+\cdots-11u-1)$
c_8	$(u^2-3u+1)(u^6-3u^5+5u^4-4u^3+2u^2-u+1)$ $\cdot(u^{47}+3u^{46}+\cdots+698u+191)$
c_9	$(u^2-3u+1)(u^6-u^5+\cdots-u+1)(u^{47}-u^{46}+\cdots-3568u-5873)$
c_{10}	$((u-1)^2)(u^6+u^5+\cdots+u+1)(u^{47}+4u^{46}+\cdots-11u-1)$
c_{11}	$u^2(u^6-u^5+\cdots-u+1)(u^{47}-8u^{46}+\cdots+48u+4)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4	$((y-1)^6)(y^2-3y+1)(y^{47}-18y^{46}+\cdots-3y-1)$
c_2	$((y-1)^6)(y^2-7y+1)(y^{47}+30y^{46}+\cdots-1935y-1)$
c_3, c_6	$y^6(y^2-3y+1)(y^{47}+36y^{46}+\cdots-61440y-4096)$
c_5	$(y^2-7y+1)(y^6+y^5+\cdots+3y+1)(y^{47}+y^{46}+\cdots+8y-1)$
c_7, c_{10}	$(y-1)^2(y^6-3y^5+5y^4-4y^3+2y^2-y+1)$ $\cdot\,(y^{47}-38y^{46}+\cdots+407y-1)$
c_8	$(y^2-7y+1)(y^6+y^5+5y^4+6y^2+3y+1)$ $\cdot\,(y^{47}-59y^{46}+\cdots+1536176y-36481)$
c_9	$(y^2-7y+1)(y^6-3y^5+5y^4-4y^3+2y^2-y+1)$ $\cdot\,(y^{47}-19y^{46}+\cdots+74984424y-34492129)$
c_{11}	$y^2(y^6-3y^5+\cdots-y+1)(y^{47}+12y^{46}+\cdots+1080y-16)$