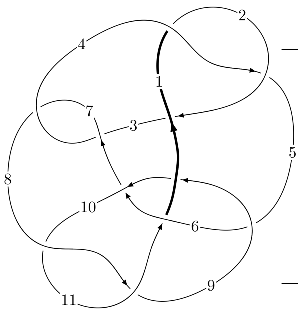
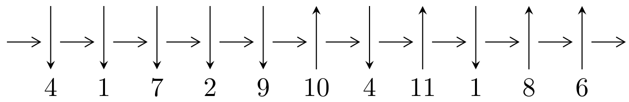
$11n_{36}$ ($K11n_{36}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle 2.74497 \times 10^{33} u^{40} + 1.38636 \times 10^{34} u^{39} + \cdots + 3.54634 \times 10^{33} b - 7.84109 \times 10^{31},$$
$$2.58793 \times 10^{33} u^{40} + 1.11480 \times 10^{34} u^{39} + \cdots + 3.54634 \times 10^{33} a - 9.38667 \times 10^{33},\ u^{41} + 7u^{40} + \cdots + 2u + 1$$
$$I_2^u = \langle a^4 - 6a^3 + 9a^2 + b - 8a + 3,\ a^5 - 6a^4 + 9a^3 - 8a^2 + 4a - 1,\ u - 1\rangle$$
$$I_3^u = \langle b,\ 3u^2 + a + 5u + 4,\ u^3 + u^2 - 1\rangle$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 49 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.

$\boldsymbol{I_1^u = \langle 2.74\times 10^{33}u^{40} + 1.39\times 10^{34}u^{39} + \cdots + 3.55\times 10^{33}b - 7.84\times 10^{31},\ 2.59\times 10^{33}u^{40} + 1.11\times 10^{34}u^{39} + \cdots + 3.55\times 10^{33}a - 9.39\times 10^{33},\ u^{41} + 7u^{40} + \cdots + 2u + 1\rangle}$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -0.729746u^{40} - 3.14351u^{39} + \cdots - 16.1294u + 2.64686 \\ -0.774027u^{40} - 3.90927u^{39} + \cdots - 5.77644u + 0.0221103 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -1.47326u^{40} - 6.97084u^{39} + \cdots + 1.83626u - 0.252120 \\ 0.773071u^{40} + 4.41057u^{39} + \cdots + 1.49955u + 1.25550 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 0.0442820u^{40} + 0.765761u^{39} + \cdots - 10.3529u + 2.62475 \\ -0.774027u^{40} - 3.90927u^{39} + \cdots - 5.77644u + 0.0221103 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1.89468u^{40} + 10.8589u^{39} + \cdots - 3.67648u + 4.04534 \\ -4.09416u^{40} - 22.1611u^{39} + \cdots - 6.24482u - 2.19947 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u^2 + 1 \\ u^2 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 1.60981u^{40} + 8.17572u^{39} + \cdots + 9.41348u + 0.620656 \\ 0.427689u^{40} + 2.12225u^{39} + \cdots + 3.33185u - 0.204351 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1.89468u^{40} + 10.8589u^{39} + \cdots - 3.67648u + 4.04534 \\ -0.427689u^{40} - 2.12225u^{39} + \cdots - 3.33185u + 0.204351 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1.89468u^{40} + 10.8589u^{39} + \cdots - 3.67648u + 4.04534 \\ -0.427689u^{40} - 2.12225u^{39} + \cdots - 3.33185u + 0.204351 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 9.46225u^{40} + 53.2125u^{39} + \cdots + 10.2497u + 12.8539$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4	$u^{41} - 7u^{40} + \cdots + 2u - 1$
c_2	$u^{41} + 43u^{40} + \cdots + 12u + 1$
c_3, c_7	$u^{41} + 2u^{40} + \cdots + 96u + 32$
c_5	$u^{41} + 4u^{40} + \cdots - 237u + 191$
c_6	$u^{41} + 16u^{39} + \cdots - 1085u - 79$
c_8, c_{10}	$u^{41} + 5u^{40} + \cdots + 119u + 1$
c_9	$u^{41} - 6u^{40} + \cdots + 156u - 8$
c_{11}	$u^{41} + 3u^{40} + \cdots - 2u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{41} - 43y^{40} + \cdots + 12y - 1$
c_2	$y^{41} - 83y^{40} + \cdots + 1144y - 1$
c_3, c_7	$y^{41} - 30y^{40} + \cdots + 3584y - 1024$
c_5	$y^{41} + 8y^{40} + \cdots + 999709y - 36481$
c_6	$y^{41} + 32y^{40} + \cdots + 183721y - 6241$
c_8, c_{10}	$y^{41} - 21y^{40} + \cdots + 13495y - 1$
c_9	$y^{41} - 18y^{40} + \cdots + 7824y - 64$
c_{11}	$y^{41} - 11y^{40} + \cdots + 26y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.387590 + 0.911908I$ $a = -0.252509 - 0.478840I$ $b = 1.071600 + 0.110579I$	$-2.61027 - 2.03740I$	$-5.72892 + 3.65159I$
$u = 0.387590 - 0.911908I$ $a = -0.252509 + 0.478840I$ $b = 1.071600 - 0.110579I$	$-2.61027 + 2.03740I$	$-5.72892 - 3.65159I$
$u = 0.695393 + 0.752192I$ $a = 0.171525 - 0.630794I$ $b = 1.287490 + 0.541839I$	$-3.58550 - 3.36599I$	$-6.85826 + 4.39505I$
$u = 0.695393 - 0.752192I$ $a = 0.171525 + 0.630794I$ $b = 1.287490 - 0.541839I$	$-3.58550 + 3.36599I$	$-6.85826 - 4.39505I$
$u = 0.883212$ $a = -8.08484$ $b = -0.317773$	0.458131	-57.1150
$u = 1.149310 + 0.071261I$ $a = -1.59369 + 0.46729I$ $b = -0.160687 + 0.786703I$	$-0.578838 - 1.255810I$	$2.38019 + 0.I$
$u = 1.149310 - 0.071261I$ $a = -1.59369 - 0.46729I$ $b = -0.160687 - 0.786703I$	$-0.578838 + 1.255810I$	$2.38019 + 0.I$
$u = 0.508644 + 1.042800I$ $a = -0.333727 + 0.529481I$ $b = -1.26087 - 0.71395I$	$-1.17487 - 9.23550I$	$0. + 7.03311I$
$u = 0.508644 - 1.042800I$ $a = -0.333727 - 0.529481I$ $b = -1.26087 + 0.71395I$	$-1.17487 + 9.23550I$	$0. - 7.03311I$
$u = -0.817513 + 0.853964I$ $a = -0.249736 - 0.135119I$ $b = -0.502875 + 0.177164I$	$4.46595 + 3.11596I$	$-9.1421 - 11.7493I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.817513 - 0.853964I$ $a = -0.249736 + 0.135119I$ $b = -0.502875 - 0.177164I$	$4.46595 - 3.11596I$	$-9.1421 + 11.7493I$
$u = -0.762796 + 0.059538I$ $a = -0.517105 + 0.839463I$ $b = -0.465748 + 1.069230I$	$4.65237 + 4.48889I$	$10.07507 - 5.98728I$
$u = -0.762796 - 0.059538I$ $a = -0.517105 - 0.839463I$ $b = -0.465748 - 1.069230I$	$4.65237 - 4.48889I$	$10.07507 + 5.98728I$
$u = 0.858145 + 0.924978I$ $a = -0.119106 + 0.545272I$ $b = -1.093570 + 0.304255I$	$-2.16828 + 2.66511I$	0
$u = 0.858145 - 0.924978I$ $a = -0.119106 - 0.545272I$ $b = -1.093570 - 0.304255I$	$-2.16828 - 2.66511I$	0
$u = 0.737003$ $a = -0.781314$ $b = -0.0927869$	-1.10369	-8.82470
$u = 0.612280 + 0.220916I$ $a = -2.04946 + 4.65031I$ $b = -0.010448 - 0.399153I$	$0.484163 - 0.158339I$	$13.38590 + 1.00156I$
$u = 0.612280 - 0.220916I$ $a = -2.04946 - 4.65031I$ $b = -0.010448 + 0.399153I$	$0.484163 + 0.158339I$	$13.38590 - 1.00156I$
$u = 0.380775 + 0.454242I$ $a = -0.51545 - 1.79136I$ $b = -0.444963 + 1.151080I$	$1.43126 - 2.56358I$	$1.01752 + 7.87421I$
$u = 0.380775 - 0.454242I$ $a = -0.51545 + 1.79136I$ $b = -0.444963 - 1.151080I$	$1.43126 + 2.56358I$	$1.01752 - 7.87421I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.46523 + 0.11671I$ $a = 1.34696 - 0.69695I$ $b = 1.262320 - 0.189235I$	$-5.33009 + 0.54259I$	0
$u = 1.46523 - 0.11671I$ $a = 1.34696 + 0.69695I$ $b = 1.262320 + 0.189235I$	$-5.33009 - 0.54259I$	0
$u = -1.48400$ $a = -2.11095$ $b = -2.27004$	-2.98279	0
$u = -1.51445 + 0.11394I$ $a = -0.301276 - 1.124650I$ $b = -0.58113 - 2.13843I$	$-4.95010 + 4.48342I$	0
$u = -1.51445 - 0.11394I$ $a = -0.301276 + 1.124650I$ $b = -0.58113 + 2.13843I$	$-4.95010 - 4.48342I$	0
$u = -1.56483 + 0.05519I$ $a = 0.765814 - 0.615203I$ $b = 0.519201 + 0.768233I$	$-6.84034 + 1.09870I$	0
$u = -1.56483 - 0.05519I$ $a = 0.765814 + 0.615203I$ $b = 0.519201 - 0.768233I$	$-6.84034 - 1.09870I$	0
$u = -1.53570 + 0.38602I$ $a = 1.094720 + 0.335992I$ $b = 1.195690 - 0.685677I$	$-8.77885 + 6.88775I$	0
$u = -1.53570 - 0.38602I$ $a = 1.094720 - 0.335992I$ $b = 1.195690 + 0.685677I$	$-8.77885 - 6.88775I$	0
$u = 1.60618 + 0.13682I$ $a = -1.43496 - 0.20448I$ $b = -1.248460 - 0.492822I$	$-3.96071 - 6.10430I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.60618 - 0.13682I$ $a = -1.43496 + 0.20448I$ $b = -1.248460 + 0.492822I$	$-3.96071 + 6.10430I$	0
$u = -1.61056 + 0.23381I$ $a = 1.69093 - 0.02813I$ $b = 1.81725 - 1.03078I$	$-11.27280 + 7.05517I$	0
$u = -1.61056 - 0.23381I$ $a = 1.69093 + 0.02813I$ $b = 1.81725 + 1.03078I$	$-11.27280 - 7.05517I$	0
$u = -1.58766 + 0.38818I$ $a = -1.60185 - 0.23694I$ $b = -1.47850 + 1.01659I$	$-7.9395 + 14.4828I$	0
$u = -1.58766 - 0.38818I$ $a = -1.60185 + 0.23694I$ $b = -1.47850 - 1.01659I$	$-7.9395 - 14.4828I$	0
$u = -1.68426 + 0.19522I$ $a = -1.133500 - 0.234872I$ $b = -1.139920 + 0.414386I$	$-11.04370 + 1.47634I$	0
$u = -1.68426 - 0.19522I$ $a = -1.133500 + 0.234872I$ $b = -1.139920 - 0.414386I$	$-11.04370 - 1.47634I$	0
$u = -0.213366 + 0.037411I$ $a = 0.62944 + 2.88854I$ $b = 0.480792 + 0.712878I$	$0.05575 - 1.50352I$	$0.38191 + 4.17550I$
$u = -0.213366 - 0.037411I$ $a = 0.62944 - 2.88854I$ $b = 0.480792 - 0.712878I$	$0.05575 + 1.50352I$	$0.38191 - 4.17550I$
$u = 0.059485 + 0.186213I$ $a = 0.39154 - 2.74926I$ $b = -0.906876 - 0.270893I$	$2.56340 + 0.10081I$	$4.27921 + 2.25595I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.059485 - 0.186213I$ $a = 0.39154 + 2.74926I$ $b = -0.906876 + 0.270893I$	$2.56340 - 0.10081I$	$4.27921 - 2.25595I$

II. $\boldsymbol{I^u_2 = \langle a^4 - 6a^3 + 9a^2 + b - 8a + 3,\ a^5 - 6a^4 + 9a^3 - 8a^2 + 4a - 1,\ u - 1\rangle}$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} a \\ -a^4 + 6a^3 - 9a^2 + 8a - 3 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -a \\ -2a^4 + 11a^3 - 12a^2 + 7a - 1 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} a^4 - 6a^3 + 9a^2 - 7a + 3 \\ -a^4 + 6a^3 - 9a^2 + 8a - 3 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 0 \\ -3a^4 + 16a^3 - 15a^2 + 7a - 1 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} a^4 - 6a^3 + 9a^2 - 7a + 3 \\ -3a^4 + 16a^3 - 15a^2 + 7a - 1 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 0 \\ -3a^4 + 16a^3 - 15a^2 + 7a - 1 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 0 \\ -3a^4 + 16a^3 - 15a^2 + 7a - 1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 9a^4 - 48a^3 + 48a^2 - 32a$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.00000$ $a = 0.313425 + 0.691081I$ $b = 0.455697 + 1.200150I$	$4.22763 - 4.40083I$	$-8.55516 + 1.78781I$
$u = 1.00000$ $a = 0.313425 - 0.691081I$ $b = 0.455697 - 1.200150I$	$4.22763 + 4.40083I$	$-8.55516 - 1.78781I$
$u = 1.00000$ $a = 0.542256 + 0.333011I$ $b = -0.339110 + 0.822375I$	$-1.31583 + 1.53058I$	$-8.42731 - 4.45807I$
$u = 1.00000$ $a = 0.542256 - 0.333011I$ $b = -0.339110 - 0.822375I$	$-1.31583 - 1.53058I$	$-8.42731 + 4.45807I$
$u = 1.00000$ $a = 4.28864$ $b = 0.766826$	0.756147	3.96490

III. $I_3^u = \langle b,\ 3u^2 + a + 5u + 4,\ u^3 + u^2 - 1 \rangle$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -u \\ u^2 + u - 1 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -3u^2 - 5u - 4 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -9u^2 - 17u - 12 \\ u^2 + u - 1 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -3u^2 - 5u - 4 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -u \\ u^2 + u - 1 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u^2 + 1 \\ u^2 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -3u^2 - 4u - 4 \\ -2u^2 - u + 2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -u \\ 2u^2 + u - 2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -u \\ 2u^2 + u - 2 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 21u^2 + 45u + 39$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.877439 + 0.744862I$ $a = -0.258045 + 0.197115I$ $b = 0$	$4.66906 + 2.82812I$	$4.03193 + 6.06881I$
$u = -0.877439 - 0.744862I$ $a = -0.258045 - 0.197115I$ $b = 0$	$4.66906 - 2.82812I$	$4.03193 - 6.06881I$
$u = 0.754878$ $a = -9.48391$ $b = 0$	0.531480	84.9360

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^5)(u^3+u^2-1)(u^{41}-7u^{40}+\cdots+2u-1)$
c_2	$((u+1)^5)(u^3+u^2+2u+1)(u^{41}+43u^{40}+\cdots+12u+1)$
c_3	$u^5(u^3-u^2+2u-1)(u^{41}+2u^{40}+\cdots+96u+32)$
c_4	$((u+1)^5)(u^3-u^2+1)(u^{41}-7u^{40}+\cdots+2u-1)$
c_5	$(u^3-2u^2-3u-1)(u^5+u^4+2u^3+u^2+u+1)$ $\cdot(u^{41}+4u^{40}+\cdots-237u+191)$
c_6	$(u^3-2u^2-3u-1)(u^5-u^4-2u^3+u^2+u+1)$ $\cdot(u^{41}+16u^{39}+\cdots-1085u-79)$
c_7	$u^5(u^3+u^2+2u+1)(u^{41}+2u^{40}+\cdots+96u+32)$
c_8	$((u+1)^3)(u^5-u^4+\cdots+u+1)(u^{41}+5u^{40}+\cdots+119u+1)$
c_9	$u^3(u^5+u^4+\cdots+u+1)(u^{41}-6u^{40}+\cdots+156u-8)$
c_{10}	$((u-1)^3)(u^5+u^4+\cdots+u-1)(u^{41}+5u^{40}+\cdots+119u+1)$
c_{11}	$(u^3+3u^2+2u-1)(u^5-3u^4+4u^3-u^2-u+1)$ $\cdot(u^{41}+3u^{40}+\cdots-2u-1)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4	$((y-1)^5)(y^3 - y^2 + 2y - 1)(y^{41} - 43y^{40} + \cdots + 12y - 1)$
c_2	$((y-1)^5)(y^3 + 3y^2 + 2y - 1)(y^{41} - 83y^{40} + \cdots + 1144y - 1)$
c_3, c_7	$y^5(y^3 + 3y^2 + 2y - 1)(y^{41} - 30y^{40} + \cdots + 3584y - 1024)$
c_5	$(y^3 - 10y^2 + 5y - 1)(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)$ $\cdot (y^{41} + 8y^{40} + \cdots + 999709y - 36481)$
c_6	$(y^3 - 10y^2 + 5y - 1)(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)$ $\cdot (y^{41} + 32y^{40} + \cdots + 183721y - 6241)$
c_8, c_{10}	$((y-1)^3)(y^5 - 5y^4 + \cdots - y - 1)(y^{41} - 21y^{40} + \cdots + 13495y - 1)$
c_9	$y^3(y^5 + 3y^4 + \cdots - y - 1)(y^{41} - 18y^{40} + \cdots + 7824y - 64)$
c_{11}	$(y^3 - 5y^2 + 10y - 1)(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)$ $\cdot (y^{41} - 11y^{40} + \cdots + 26y - 1)$