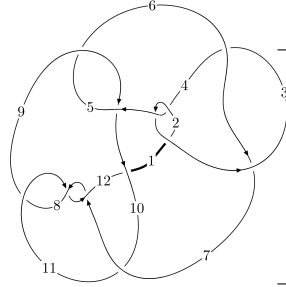
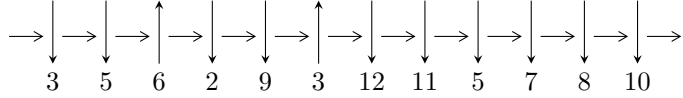


$12n_{0108}$ ($K12n_{0108}$)



A knot diagram¹

Linearized knot diagram



Solving Sequence

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

Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -9.27106 \times 10^{41} u^{40} - 5.88994 \times 10^{42} u^{39} + \dots + 9.61206 \times 10^{40} b - 6.11993 \times 10^{41}, \\ -6.34476 \times 10^{41} u^{40} - 4.08468 \times 10^{42} u^{39} + \dots + 9.61206 \times 10^{40} a - 1.64646 \times 10^{42}, \\ u^{41} + 8u^{40} + \dots + 34u + 1 \rangle$$

$$I_2^u = \langle a^2 + b - a + 2, a^3 + 2a + 1, u - 1 \rangle$$

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

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 48 representations.

¹The 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>).

²All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

$$\text{I. } I_1^u = \langle -9.27 \times 10^{41} u^{40} - 5.89 \times 10^{42} u^{39} + \dots + 9.61 \times 10^{40} b - 6.12 \times 10^{41}, -6.34 \times 10^{41} u^{40} - 4.08 \times 10^{42} u^{39} + \dots + 9.61 \times 10^{40} a - 1.65 \times 10^{42}, u^{41} + 8u^{40} + \dots + 34u + 1 \rangle$$

(i) Arc colorings

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

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

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

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

$$a_4 = \begin{pmatrix} u \\ -u^3 + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 6.60083u^{40} + 42.4953u^{39} + \dots + 119.918u + 17.1291 \\ 9.64523u^{40} + 61.2765u^{39} + \dots + 197.232u + 6.36693 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 6.60083u^{40} + 42.4953u^{39} + \dots + 119.918u + 17.1291 \\ -7.48281u^{40} - 47.2910u^{39} + \dots - 146.752u - 3.94440 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -1.00706u^{40} - 6.01141u^{39} + \dots - 9.30914u + 5.53712 \\ 1.60537u^{40} + 9.92359u^{39} + \dots + 28.7480u + 1.03801 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.598315u^{40} + 3.91218u^{39} + \dots + 19.4389u + 6.57513 \\ 1.60537u^{40} + 9.92359u^{39} + \dots + 28.7480u + 1.03801 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 4.48614u^{40} + 28.6835u^{39} + \dots + 68.1177u + 12.1782 \\ -6.77071u^{40} - 42.6663u^{39} + \dots - 132.736u - 3.61078 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 2.18696u^{40} + 13.8857u^{39} + \dots + 34.8186u + 9.92100 \\ -0.720306u^{40} - 4.14288u^{39} + \dots - 11.5196u - 0.0728726 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.598315u^{40} - 3.91218u^{39} + \dots - 19.4389u - 6.57513 \\ 1.49635u^{40} + 9.28064u^{39} + \dots + 32.3421u + 0.715717 \end{pmatrix}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $8.64366u^{40} + 54.7705u^{39} + \dots + 150.271u - 7.40030$

(iv) u-Polynomials at the component

| Crossings | u-Polynomials at each crossing |
|--------------------|--|
| c_1 | $u^{41} + 50u^{40} + \dots + 1026u + 1$ |
| c_2, c_4 | $u^{41} - 8u^{40} + \dots + 34u - 1$ |
| c_3, c_6 | $u^{41} + 7u^{40} + \dots + 448u + 128$ |
| c_5, c_9 | $u^{41} + 2u^{40} + \dots - u - 1$ |
| c_7, c_8, c_{11} | $u^{41} - 2u^{40} + \dots - 3u - 1$ |
| c_{10} | $u^{41} + 2u^{40} + \dots - 240u - 36$ |
| c_{12} | $u^{41} - 12u^{40} + \dots - 467u + 163$ |

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|--------------------|--|
| c_1 | $y^{41} - 110y^{40} + \dots + 1177934y - 1$ |
| c_2, c_4 | $y^{41} - 50y^{40} + \dots + 1026y - 1$ |
| c_3, c_6 | $y^{41} + 45y^{40} + \dots + 520192y - 16384$ |
| c_5, c_9 | $y^{41} + 42y^{39} + \dots + 11y - 1$ |
| c_7, c_8, c_{11} | $y^{41} + 36y^{40} + \dots + 11y - 1$ |
| c_{10} | $y^{41} - 12y^{40} + \dots + 7992y - 1296$ |
| c_{12} | $y^{41} - 12y^{40} + \dots + 2120951y - 26569$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|--|---------------------------------------|-----------------------|
| $u = 1.023890 + 0.144827I$ $a = -0.114598 + 0.492587I$ $b = -0.25937 - 2.41362I$ | $1.10253 + 2.40302I$ | $-1.4441 - 16.6541I$ |
| $u = 1.023890 - 0.144827I$ $a = -0.114598 - 0.492587I$ $b = -0.25937 + 2.41362I$ | $1.10253 - 2.40302I$ | $-1.4441 + 16.6541I$ |
| $u = 1.09654$ $a = 0.432301$ $b = 1.83917$ | -2.21383 | 3.32100 |
| $u = 0.799614 + 0.163499I$ $a = 0.305351 - 0.647956I$ $b = 0.24502 + 1.73105I$ | $-2.56053 - 0.52413I$ | $-15.2569 - 4.2496I$ |
| $u = 0.799614 - 0.163499I$ $a = 0.305351 + 0.647956I$ $b = 0.24502 - 1.73105I$ | $-2.56053 + 0.52413I$ | $-15.2569 + 4.2496I$ |
| $u = 0.618990 + 0.472493I$ $a = -0.934348 - 0.002226I$ $b = -0.492958 + 0.445400I$ | $-0.79846 - 1.42488I$ | $-6.70258 + 4.89942I$ |
| $u = 0.618990 - 0.472493I$ $a = -0.934348 + 0.002226I$ $b = -0.492958 - 0.445400I$ | $-0.79846 + 1.42488I$ | $-6.70258 - 4.89942I$ |
| $u = 0.654305 + 0.324584I$ $a = -0.185932 + 0.902814I$ $b = 0.19586 - 1.59294I$ | $1.89593 - 3.76450I$ | $-6.51510 - 0.37648I$ |
| $u = 0.654305 - 0.324584I$ $a = -0.185932 - 0.902814I$ $b = 0.19586 + 1.59294I$ | $1.89593 + 3.76450I$ | $-6.51510 + 0.37648I$ |
| $u = 0.024088 + 0.729003I$ $a = 0.975104 - 0.793348I$ $b = 0.015225 - 0.189698I$ | $4.22621 - 1.38545I$ | $-1.96542 + 3.48117I$ |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = 0.024088 - 0.729003I$ | | |
| $a = 0.975104 + 0.793348I$ | $4.22621 + 1.38545I$ | $-1.96542 - 3.48117I$ |
| $b = 0.015225 + 0.189698I$ | | |
| $u = -0.690147 + 0.145492I$ | | |
| $a = 0.04771 - 1.93802I$ | $8.34723 - 4.89832I$ | $3.94388 + 1.15377I$ |
| $b = -0.236345 - 0.828778I$ | | |
| $u = -0.690147 - 0.145492I$ | | |
| $a = 0.04771 + 1.93802I$ | $8.34723 + 4.89832I$ | $3.94388 - 1.15377I$ |
| $b = -0.236345 + 0.828778I$ | | |
| $u = 0.784586 + 1.118630I$ | | |
| $a = 0.619859 - 0.276128I$ | $-3.61696 - 3.86307I$ | 0 |
| $b = 0.550920 + 0.122912I$ | | |
| $u = 0.784586 - 1.118630I$ | | |
| $a = 0.619859 + 0.276128I$ | $-3.61696 + 3.86307I$ | 0 |
| $b = 0.550920 - 0.122912I$ | | |
| $u = 1.06503 + 0.93172I$ | | |
| $a = -0.595278 + 0.164576I$ | $-0.499621 - 0.427314I$ | 0 |
| $b = -0.773274 - 0.052105I$ | | |
| $u = 1.06503 - 0.93172I$ | | |
| $a = -0.595278 - 0.164576I$ | $-0.499621 + 0.427314I$ | 0 |
| $b = -0.773274 + 0.052105I$ | | |
| $u = 0.64097 + 1.26233I$ | | |
| $a = -0.593984 + 0.346167I$ | $0.95653 - 7.53305I$ | 0 |
| $b = -0.439012 - 0.204480I$ | | |
| $u = 0.64097 - 1.26233I$ | | |
| $a = -0.593984 - 0.346167I$ | $0.95653 + 7.53305I$ | 0 |
| $b = -0.439012 + 0.204480I$ | | |
| $u = -0.546543 + 0.110125I$ | | |
| $a = -0.15010 + 2.08713I$ | $2.42231 - 1.86356I$ | $-0.33827 + 3.07051I$ |
| $b = 0.113534 + 0.680577I$ | | |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|--|---------------------------------------|-----------------------|
| $u = -0.546543 - 0.110125I$ $a = -0.15010 - 2.08713I$ $b = 0.113534 - 0.680577I$ | $2.42231 + 1.86356I$ | $-0.33827 - 3.07051I$ |
| $u = -1.52433 + 0.18776I$ $a = -0.857605 + 0.620146I$ $b = -1.95651 + 0.55267I$ | $-1.30698 + 4.28669I$ | 0 |
| $u = -1.52433 - 0.18776I$ $a = -0.857605 - 0.620146I$ $b = -1.95651 - 0.55267I$ | $-1.30698 - 4.28669I$ | 0 |
| $u = -1.64128 + 0.09999I$ $a = 0.638107 + 0.741558I$ $b = 1.78817 + 0.37849I$ | $-6.19266 + 5.42860I$ | 0 |
| $u = -1.64128 - 0.09999I$ $a = 0.638107 - 0.741558I$ $b = 1.78817 - 0.37849I$ | $-6.19266 - 5.42860I$ | 0 |
| $u = -1.68045 + 0.02735I$ $a = -0.661327 - 0.687909I$ $b = -1.85642 - 0.38244I$ | $-11.48150 + 1.16744I$ | 0 |
| $u = -1.68045 - 0.02735I$ $a = -0.661327 + 0.687909I$ $b = -1.85642 + 0.38244I$ | $-11.48150 - 1.16744I$ | 0 |
| $u = -1.68637 + 0.08037I$ $a = 0.707793 - 0.630890I$ $b = 1.93021 - 0.41903I$ | $-9.39900 + 3.48257I$ | 0 |
| $u = -1.68637 - 0.08037I$ $a = 0.707793 + 0.630890I$ $b = 1.93021 + 0.41903I$ | $-9.39900 - 3.48257I$ | 0 |
| $u = -1.69925 + 0.27352I$ $a = 0.758442 - 0.516353I$ $b = 2.04847 - 0.47151I$ | $-9.49392 + 4.85059I$ | 0 |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|---|---------------------------------------|-----------------------|
| $u = -1.69925 - 0.27352I$ $a = 0.758442 + 0.516353I$ $b = 2.04847 + 0.47151I$ | $-9.49392 - 4.85059I$ | 0 |
| $u = -1.67351 + 0.43283I$ $a = 0.792521 - 0.425685I$ $b = 2.12131 - 0.52943I$ | $-6.4546 + 13.6928I$ | 0 |
| $u = -1.67351 - 0.43283I$ $a = 0.792521 + 0.425685I$ $b = 2.12131 + 0.52943I$ | $-6.4546 - 13.6928I$ | 0 |
| $u = -1.70062 + 0.36989I$ $a = -0.772140 + 0.460082I$ $b = -2.09871 + 0.49854I$ | $-11.6676 + 9.4552I$ | 0 |
| $u = -1.70062 - 0.36989I$ $a = -0.772140 - 0.460082I$ $b = -2.09871 - 0.49854I$ | $-11.6676 - 9.4552I$ | 0 |
| $u = 1.79083$ $a = -0.471299$ $b = -1.27778$ | -5.96639 | 0 |
| $u = 1.80924 + 0.21929I$ $a = 0.470409 - 0.020609I$ $b = 1.266140 + 0.027083I$ | $-2.04881 - 3.64658I$ | 0 |
| $u = 1.80924 - 0.21929I$ $a = 0.470409 + 0.020609I$ $b = 1.266140 - 0.027083I$ | $-2.04881 + 3.64658I$ | 0 |
| $u = -0.006712 + 0.160531I$ $a = -1.90793 - 3.46251I$ $b = -0.690720 + 0.504582I$ | $3.36845 + 2.26324I$ | $-4.13576 - 3.78467I$ |
| $u = -0.006712 - 0.160531I$ $a = -1.90793 + 3.46251I$ $b = -0.690720 - 0.504582I$ | $3.36845 - 2.26324I$ | $-4.13576 + 3.78467I$ |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|----------------------|---------------------------------------|------------|
| $u = -0.0303735$ | | |
| $a = 13.9549$ | -0.822843 | -12.1130 |
| $b = 0.495519$ | | |

$$\text{II. } I_2^u = \langle a^2 + b - a + 2, a^3 + 2a + 1, u - 1 \rangle$$

(i) Arc colorings

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

$$a_5 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

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

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

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

$$a_{10} = \begin{pmatrix} a \\ -a^2 + a - 2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} a \\ -a^2 - 2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -a^2 \\ 0 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -a^2 \\ 0 \end{pmatrix}$$

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

$$a_8 = \begin{pmatrix} -a^2 - 2a - 1 \\ -1 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -a^2 \\ -a^2 - 2 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes = $-11a^2 + 9a - 34$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|--|------------------------------------|
| c_1, c_2, c_4 | $(y - 1)^3$ |
| c_3, c_6 | y^3 |
| c_5, c_7, c_8 c_9, c_{11}, c_{12} | $y^3 + 4y^2 + 4y - 1$ |
| c_{10} | $y^3 + y^2 + 13y - 4$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_2^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|----------------------------|---------------------------------------|-----------------------|
| $u = 1.00000$ | | |
| $a = 0.22670 + 1.46771I$ | $7.79580 - 5.13794I$ | $-8.82908 + 5.88938I$ |
| $b = 0.329484 + 0.802255I$ | | |
| $u = 1.00000$ | | |
| $a = 0.22670 - 1.46771I$ | $7.79580 + 5.13794I$ | $-8.82908 - 5.88938I$ |
| $b = 0.329484 - 0.802255I$ | | |
| $u = 1.00000$ | | |
| $a = -0.453398$ | -2.43213 | -40.3420 |
| $b = -2.65897$ | | |

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

(i) Arc colorings

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

$$a_5 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

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

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

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

$$a_{10} = \begin{pmatrix} a \\ -a^3 + a^2 - a + 2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} a \\ -a^3 + a^2 - 2a + 2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -a^2 \\ 0 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -a^2 \\ 0 \end{pmatrix}$$

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

$$a_8 = \begin{pmatrix} -a^3 - a + 1 \\ -3a^3 + a^2 - 5a + 3 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -a^2 \\ -a^2 - 2 \end{pmatrix}$$

(ii) Obstruction class = 1

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

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_3^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|---|---------------------------------------|------------------------|
| $u = 1.00000$ $a = 0.621744 + 0.440597I$ $b = 1.69244 - 0.31815I$ | $1.64493 - 2.02988I$ | $-5.42268 + 5.10773I$ |
| $u = 1.00000$ $a = 0.621744 - 0.440597I$ $b = 1.69244 + 0.31815I$ | $1.64493 + 2.02988I$ | $-5.42268 - 5.10773I$ |
| $u = 1.00000$ $a = -0.121744 + 1.306620I$ $b = -0.192440 + 0.547877I$ | $1.64493 + 2.02988I$ | $-11.07732 - 4.41855I$ |
| $u = 1.00000$ $a = -0.121744 - 1.306620I$ $b = -0.192440 - 0.547877I$ | $1.64493 - 2.02988I$ | $-11.07732 + 4.41855I$ |

IV. u-Polynomials

| Crossings | u-Polynomials at each crossing |
|------------|---|
| c_1 | $((u - 1)^7)(u^{41} + 50u^{40} + \dots + 1026u + 1)$ |
| c_2 | $((u - 1)^7)(u^{41} - 8u^{40} + \dots + 34u - 1)$ |
| c_3, c_6 | $u^7(u^{41} + 7u^{40} + \dots + 448u + 128)$ |
| c_4 | $((u + 1)^7)(u^{41} - 8u^{40} + \dots + 34u - 1)$ |
| c_5 | $(u^3 + 2u - 1)(u^4 + u^3 + 2u^2 + 2u + 1)(u^{41} + 2u^{40} + \dots - u - 1)$ |
| c_7, c_8 | $(u^3 + 2u - 1)(u^4 + u^3 + 2u^2 + 2u + 1)(u^{41} - 2u^{40} + \dots - 3u - 1)$ |
| c_9 | $(u^3 + 2u + 1)(u^4 - u^3 + 2u^2 - 2u + 1)(u^{41} + 2u^{40} + \dots - u - 1)$ |
| c_{10} | $((u^2 - u + 1)^2)(u^3 + 3u^2 + 5u + 2)(u^{41} + 2u^{40} + \dots - 240u - 36)$ |
| c_{11} | $(u^3 + 2u + 1)(u^4 - u^3 + 2u^2 - 2u + 1)(u^{41} - 2u^{40} + \dots - 3u - 1)$ |
| c_{12} | $(u^3 + 2u + 1)(u^4 - u^3 + 2u^2 - 2u + 1)(u^{41} - 12u^{40} + \dots - 467u + 163)$ |

V. Riley Polynomials

| Crossings | Riley Polynomials at each crossing |
|--------------------|--|
| c_1 | $((y-1)^7)(y^{41} - 110y^{40} + \dots + 1177934y - 1)$ |
| c_2, c_4 | $((y-1)^7)(y^{41} - 50y^{40} + \dots + 1026y - 1)$ |
| c_3, c_6 | $y^7(y^{41} + 45y^{40} + \dots + 520192y - 16384)$ |
| c_5, c_9 | $(y^3 + 4y^2 + 4y - 1)(y^4 + 3y^3 + 2y^2 + 1)(y^{41} + 42y^{39} + \dots + 11y - 1)$ |
| c_7, c_8, c_{11} | $(y^3 + 4y^2 + 4y - 1)(y^4 + 3y^3 + 2y^2 + 1)(y^{41} + 36y^{40} + \dots + 11y - 1)$ |
| c_{10} | $((y^2 + y + 1)^2)(y^3 + y^2 + 13y - 4)(y^{41} - 12y^{40} + \dots + 7992y - 1296)$ |
| c_{12} | $(y^3 + 4y^2 + 4y - 1)(y^4 + 3y^3 + 2y^2 + 1)$ $\cdot (y^{41} - 12y^{40} + \dots + 2120951y - 26569)$ |