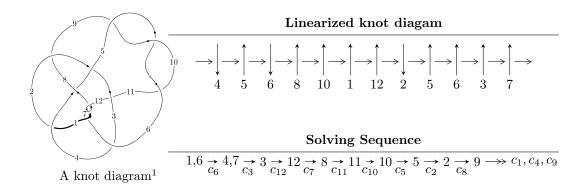
$12n_{0685} \ (K12n_{0685})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -2.68320 \times 10^{40} u^{53} + 4.36845 \times 10^{39} u^{52} + \dots + 1.09407 \times 10^{40} b - 1.26785 \times 10^{41}, \\ &1.64738 \times 10^{41} u^{53} - 5.57914 \times 10^{40} u^{52} + \dots + 1.09407 \times 10^{40} a + 4.47020 \times 10^{41}, \ u^{54} + 27 u^{52} + \dots + 12 u + 12$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 69 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).

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

I.
$$I_1^u = \langle -2.68 \times 10^{40} u^{53} + 4.37 \times 10^{39} u^{52} + \dots + 1.09 \times 10^{40} b - 1.27 \times 10^{41}, \ 1.65 \times 10^{41} u^{53} - 5.58 \times 10^{40} u^{52} + \dots + 1.09 \times 10^{40} a + 4.47 \times 10^{41}, \ u^{54} + 27 u^{52} + \dots + 12 u + 1 \rangle$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -15.0573u^{53} + 5.09943u^{52} + \dots - 402.388u - 40.8584 \\ 2.45249u^{53} - 0.399285u^{52} + \dots + 88.5992u + 11.5884 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -12.6048u^{53} + 4.70015u^{52} + \dots - 313.789u - 29.2701 \\ 2.45249u^{53} - 0.399285u^{52} + \dots + 88.5992u + 11.5884 \end{pmatrix}$$

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

$$a_{12} = \begin{pmatrix} u^{2} + 1 \\ -u^{4} - 2u^{2} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.314507u^{53} - 1.02928u^{52} + \dots + 9.85086u + 7.65563 \\ 3.56268u^{53} - 1.46466u^{52} + \dots + 94.5090u + 11.9366 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -3.24818u^{53} + 0.435380u^{52} + \dots - 84.6581u - 4.28102 \\ 3.56268u^{53} - 1.46466u^{52} + \dots + 94.5090u + 11.9366 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -15.6451u^{53} + 5.62013u^{52} + \dots + 94.5090u + 11.9366 \\ 2.72593u^{53} - 0.398787u^{52} + \dots + 92.7573u + 11.9546 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -13.4990u^{53} + 5.55580u^{52} + \dots + 92.7573u + 11.9546 \\ 5.19761u^{53} - 1.33305u^{52} + \dots + 151.350u + 17.6227 \\ -3.60099u^{53} + 1.54873u^{52} + \dots + 8.38831u + 2.44017 \\ -3.60099u^{53} + 1.54873u^{52} + \dots + 8.38831u + 2.44017 \\ -3.60099u^{53} + 1.54873u^{52} + \dots - 107.000u - 11.4663 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-8.59125u^{53} + 0.873911u^{52} + \cdots 257.258u 36.1424$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{54} - u^{53} + \dots - 23705u - 2291$
c_2	$u^{54} + 4u^{53} + \dots + 28u - 1$
<i>C</i> ₃	$u^{54} - u^{53} + \dots - 2159u + 239$
C ₄	$u^{54} - 6u^{52} + \dots + 22u + 1$
c_5, c_9, c_{10}	$u^{54} + u^{53} + \dots + 11u - 1$
c_6, c_7, c_{12}	$u^{54} + 27u^{52} + \dots + 12u + 1$
<i>C</i> ₈	$u^{54} + u^{53} + \dots + u + 1$
c_{11}	$u^{54} - 2u^{53} + \dots + 36164u - 1709$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{54} - 35y^{53} + \dots - 169277117y + 5248681$
c_2	$y^{54} + 54y^{53} + \dots + 60y + 1$
<i>c</i> ₃	$y^{54} - 53y^{53} + \dots + 93385y + 57121$
c_4	$y^{54} - 12y^{53} + \dots - 440y + 1$
c_5, c_9, c_{10}	$y^{54} - y^{53} + \dots - 45y + 1$
c_6, c_7, c_{12}	$y^{54} + 54y^{53} + \dots - 74y + 1$
c ₈	$y^{54} - 49y^{53} + \dots - 151y + 1$
c_{11}	$y^{54} + 62y^{53} + \dots - 555348524y + 2920681$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.727247 + 0.655546I		
a = -1.120070 - 0.569467I	-7.16637 + 5.36550I	3.29115 - 2.38015I
b = 1.45756 - 0.28228I		
u = -0.727247 - 0.655546I		
a = -1.120070 + 0.569467I	-7.16637 - 5.36550I	3.29115 + 2.38015I
b = 1.45756 + 0.28228I		
u = -0.817874 + 0.466543I		
a = -1.01459 - 1.44161I	-6.57271 - 10.55460I	4.62377 + 7.07679I
b = 1.54231 + 0.48478I		
u = -0.817874 - 0.466543I		
a = -1.01459 + 1.44161I	-6.57271 + 10.55460I	4.62377 - 7.07679I
b = 1.54231 - 0.48478I		
u = 0.658331 + 0.610282I		
a = 0.991278 - 0.834575I	-7.17018 + 2.76260I	2.77811 - 3.18993I
b = -1.55170 + 0.23948I		
u = 0.658331 - 0.610282I		
a = 0.991278 + 0.834575I	-7.17018 - 2.76260I	2.77811 + 3.18993I
b = -1.55170 - 0.23948I		
u = 0.782295 + 0.434217I		
a = 1.34381 - 1.23021I	-6.54490 + 2.06360I	3.73772 - 2.56730I
b = -1.407260 + 0.014903I		
u = 0.782295 - 0.434217I		
a = 1.34381 + 1.23021I	-6.54490 - 2.06360I	3.73772 + 2.56730I
b = -1.407260 - 0.014903I		
u = 0.873178		
a = -0.654136	1.61182	1.21940
b = 0.754805		
u = 0.600533 + 0.615475I		
a = 0.088416 + 1.268790I	-0.31286 + 3.64145I	11.2572 - 9.4738I
b = 0.943653 - 0.397797I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.600533 - 0.615475I		
a = 0.088416 - 1.268790I	-0.31286 - 3.64145I	11.2572 + 9.4738I
b = 0.943653 + 0.397797I		
u = 0.110651 + 1.211630I		
a = 0.649484 + 0.213764I	-2.38520 + 2.82306I	0
b = 0.742245 + 0.814719I		
u = 0.110651 - 1.211630I		
a = 0.649484 - 0.213764I	-2.38520 - 2.82306I	0
b = 0.742245 - 0.814719I		
u = -0.142943 + 1.223340I		
a = 0.983994 - 0.047102I	-4.86587 + 0.83794I	0
b = -0.904696 + 0.730444I		
u = -0.142943 - 1.223340I		
a = 0.983994 + 0.047102I	-4.86587 - 0.83794I	0
b = -0.904696 - 0.730444I		
u = -0.722991		
a = -1.44649	5.96932	18.1570
b = 0.416019		
u = -0.591356 + 0.394727I		
a = 1.15354 + 1.47575I	-2.42244 - 1.86344I	0.32896 + 2.97816I
b = -1.372070 - 0.284950I		
u = -0.591356 - 0.394727I		
a = 1.15354 - 1.47575I	-2.42244 + 1.86344I	0.32896 - 2.97816I
b = -1.372070 + 0.284950I		
u = -0.284927 + 1.273200I		
a = -0.610811 - 0.705027I	2.02546 - 3.64647I	0
b = 0.378777 + 0.245213I		
u = -0.284927 - 1.273200I		
a = -0.610811 + 0.705027I	2.02546 + 3.64647I	0
b = 0.378777 - 0.245213I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.425694 + 1.274300I		
a = -0.137225 + 0.299114I	-2.34924 + 4.63206I	0
b = 0.804888 + 0.001080I		
u = 0.425694 - 1.274300I		
a = -0.137225 - 0.299114I	-2.34924 - 4.63206I	0
b = 0.804888 - 0.001080I		
u = 0.079610 + 1.366620I		
a = 0.059053 - 0.444591I	-3.77402 + 1.92762I	0
b = -0.069313 + 0.938702I		
u = 0.079610 - 1.366620I		
a = 0.059053 + 0.444591I	-3.77402 - 1.92762I	0
b = -0.069313 - 0.938702I		
u = 0.630083		
a = -0.310787	1.05920	8.70240
b = 0.798544		
u = -0.027362 + 1.385500I		
a = 0.562065 + 0.539030I	-1.87045 - 0.53073I	0
b = 1.62034 - 0.54932I		
u = -0.027362 - 1.385500I		
a = 0.562065 - 0.539030I	-1.87045 + 0.53073I	0
b = 1.62034 + 0.54932I		
u = -0.057418 + 1.395130I		
a = -1.54371 + 0.64324I	-5.83103 - 3.79502I	0
b = -1.136840 - 0.424786I		
u = -0.057418 - 1.395130I		
a = -1.54371 - 0.64324I	-5.83103 + 3.79502I	0
b = -1.136840 + 0.424786I		
u = -0.16335 + 1.41281I		
a = -0.556055 + 0.832668I	-5.98732 - 6.70530I	0
b = -0.72716 - 1.67965I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.16335 - 1.41281I		
a = -0.556055 - 0.832668I	-5.98732 + 6.70530I	0
b = -0.72716 + 1.67965I		
u = -0.493438 + 0.257877I		
a = 0.35961 + 2.32754I	-0.60246 - 4.33501I	8.99729 + 10.44789I
b = -0.373419 - 1.315190I		
u = -0.493438 - 0.257877I		
a = 0.35961 - 2.32754I	-0.60246 + 4.33501I	8.99729 - 10.44789I
b = -0.373419 + 1.315190I		
u = 0.509006 + 0.161109I		
a = -0.289495 - 0.461991I	0.947117 + 0.129909I	11.27686 - 2.22644I
b = 0.494322 + 0.360163I		
u = 0.509006 - 0.161109I		
a = -0.289495 + 0.461991I	0.947117 - 0.129909I	11.27686 + 2.22644I
b = 0.494322 - 0.360163I		
u = -0.22783 + 1.45064I		
a = -0.329271 + 1.292780I	-8.34733 - 4.89875I	0
b = -1.72420 - 0.54667I		
u = -0.22783 - 1.45064I		
a = -0.329271 - 1.292780I	-8.34733 + 4.89875I	0
b = -1.72420 + 0.54667I		
u = 0.07299 + 1.48329I		
a = 0.151391 + 1.225570I	-8.28129 + 3.22679I	0
b = -0.143907 - 0.422731I		
u = 0.07299 - 1.48329I		
a = 0.151391 - 1.225570I	-8.28129 - 3.22679I	0
b = -0.143907 + 0.422731I		
u = 0.069990 + 0.509753I		
a = 1.19972 + 2.08736I	-1.81357 + 2.38364I	0.95087 - 1.41179I
b = -0.070424 + 0.287433I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.069990 - 0.509753I		
a = 1.19972 - 2.08736I	-1.81357 - 2.38364I	0.95087 + 1.41179I
b = -0.070424 - 0.287433I		
u = 0.29461 + 1.50032I		
a = -0.017831 - 1.339470I	-12.8030 + 6.0112I	0
b = -1.42401 + 0.25866I		
u = 0.29461 - 1.50032I		
a = -0.017831 + 1.339470I	-12.8030 - 6.0112I	0
b = -1.42401 - 0.25866I		
u = -0.30047 + 1.51505I		
a = 0.318429 - 1.306700I	-12.9927 - 14.6415I	0
b = 1.68707 + 0.60140I		
u = -0.30047 - 1.51505I		
a = 0.318429 + 1.306700I	-12.9927 + 14.6415I	0
b = 1.68707 - 0.60140I		
u = 0.20551 + 1.53545I		
a = -0.261245 - 0.741640I	-14.2076 + 5.8827I	0
b = -1.86481 + 0.32365I		
u = 0.20551 - 1.53545I		
a = -0.261245 + 0.741640I	-14.2076 - 5.8827I	0
b = -1.86481 - 0.32365I		
u = 0.22302 + 1.54513I		
a = 0.600789 + 0.941334I	-7.40823 + 6.78161I	0
b = 1.199140 - 0.475695I		
u = 0.22302 - 1.54513I		
a = 0.600789 - 0.941334I	-7.40823 - 6.78161I	0
b = 1.199140 + 0.475695I		
u = -0.20084 + 1.57551I		
a = 0.122450 - 0.759219I	-14.6210 + 2.0031I	0
b = 1.53708 - 0.00469I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.20084 - 1.57551I		
a = 0.122450 + 0.759219I	-14.6210 - 2.0031I	0
b = 1.53708 + 0.00469I		
u = -0.320973 + 0.010257I		
a = 1.47897 + 4.46204I	-1.13474 - 2.72736I	9.52970 + 1.05898I
b = -0.824971 - 0.660602I		
u = -0.320973 - 0.010257I		
a = 1.47897 - 4.46204I	-1.13474 + 2.72736I	9.52970 - 1.05898I
b = -0.824971 + 0.660602I		
u = -0.132701		
a = 4.04601	2.79911	-5.45500
b = 1.40543		

$$II. \\ I_2^u = \langle u^{12} + u^{11} + \dots + b - 2u, -u^{12} - 6u^{10} + \dots + a - 2u, u^{15} + u^{14} + \dots - 3u^2 + 1 \rangle$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} u^{12} + 6u^{10} + 13u^{8} + 9u^{6} - 6u^{4} + u^{3} - 9u^{2} + 2u \\ -u^{12} - u^{11} + \dots + 6u^{2} + 2u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -u^{11} - 5u^{9} - 9u^{7} - u^{6} - 5u^{5} - 3u^{4} + 3u^{3} - 3u^{2} + 4u \\ -u^{12} - u^{11} + \dots + 6u^{2} + 2u \end{pmatrix}$$

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

$$a_{8} = \begin{pmatrix} u^{2} + 1 \\ -u^{4} - 2u^{2} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u^{13} - 2u^{12} + \dots + u - 3 \\ -u^{13} - u^{12} + \dots - 2u - 1 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^{12} - u^{11} + \dots + 3u - 2 \\ -u^{13} - u^{12} + \dots - 2u - 1 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -u^{11} - 5u^{9} - 9u^{7} - 2u^{6} - 6u^{5} - 6u^{4} + u^{3} - 5u^{2} + 3u + 1 \\ u^{14} + u^{13} + \dots + 4u^{2} + 2u \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -2u^{14} - 3u^{13} + \dots + 5u - 3 \\ 2u^{13} + u^{12} + \dots + u^{2} + 1 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} u^{13} - u^{12} + \dots + 6u - 2 \\ -2u^{13} - 2u^{12} + \dots - u - 1 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-7u^{13} - 6u^{12} - 49u^{11} - 38u^{10} - 130u^9 - 90u^8 - 150u^7 - 87u^6 - 39u^5 - 10u^4 + 58u^3 + 27u^2 + 31u + 8$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{15} - 12u^{14} + \dots + 15u - 1$
c_2	$u^{15} + 3u^{14} + \dots + 4u^2 - 1$
c_3	$u^{15} - 6u^{13} + \dots + 3u - 1$
c_4	$u^{15} - u^{14} + \dots - 6u^2 + 1$
c_5	$u^{15} - 4u^{13} + \dots + u - 1$
c_{6}, c_{7}	$u^{15} + u^{14} + \dots - 3u^2 + 1$
<i>C</i> 8	$u^{15} - 6u^{13} + \dots - u - 1$
c_{9}, c_{10}	$u^{15} - 4u^{13} + \dots + u + 1$
c_{11}	$u^{15} - u^{14} + \dots + 4u^2 - 1$
c_{12}	$u^{15} - u^{14} + \dots + 3u^2 - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{15} - 2y^{14} + \dots + 49y - 1$
c_2	$y^{15} + 7y^{14} + \dots + 8y - 1$
<i>C</i> 3	$y^{15} - 12y^{14} + \dots + 11y - 1$
C ₄	$y^{15} - 15y^{14} + \dots + 12y - 1$
c_5, c_9, c_{10}	$y^{15} - 8y^{14} + \dots - 3y - 1$
c_6, c_7, c_{12}	$y^{15} + 15y^{14} + \dots + 6y - 1$
c ₈	$y^{15} - 12y^{14} + \dots + 15y - 1$
c_{11}	$y^{15} + 3y^{14} + \dots + 8y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.917074		
a = 0.317754	2.01181	23.5320
b = -0.706611		
u = -0.074215 + 1.225200I		
a = 1.37536 + 0.51706I	-4.31514 + 2.06106I	2.80971 - 3.49368I
b = -0.477263 + 0.644746I		
u = -0.074215 - 1.225200I		
a = 1.37536 - 0.51706I	-4.31514 - 2.06106I	2.80971 + 3.49368I
b = -0.477263 - 0.644746I		
u = 0.738441		
a = -1.88795	5.31354	5.05140
b = 0.822162		
u = -0.391682 + 1.206530I		
a = -0.448299 + 0.314891I	-1.63448 - 4.71343I	9.81376 + 7.25544I
b = -0.633852 - 0.204044I		
u = -0.391682 - 1.206530I		
a = -0.448299 - 0.314891I	-1.63448 + 4.71343I	9.81376 - 7.25544I
b = -0.633852 + 0.204044I		
u = 0.310878 + 1.284290I		
a = -0.579681 + 0.974594I	1.30709 + 3.78442I	1.00032 - 4.22940I
b = 0.784151 - 0.173085I		
u = 0.310878 - 1.284290I		
a = -0.579681 - 0.974594I	1.30709 - 3.78442I	1.00032 + 4.22940I
b = 0.784151 + 0.173085I		
u = 0.117562 + 1.341930I		
a = 0.493543 + 0.042097I	-1.30643 + 1.67719I	7.37794 - 3.24911I
b = 1.57940 + 0.48851I		
u = 0.117562 - 1.341930I		
a = 0.493543 - 0.042097I	-1.30643 - 1.67719I	7.37794 + 3.24911I
b = 1.57940 - 0.48851I		_

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.19173 + 1.46876I		
a = -0.602052 + 1.218750I	-7.60875 - 5.65349I	0.73377 + 5.33315I
b = -1.25573 - 0.76427I		
u = -0.19173 - 1.46876I		
a = -0.602052 - 1.218750I	-7.60875 + 5.65349I	0.73377 - 5.33315I
b = -1.25573 + 0.76427I		
u = -0.356463 + 0.351194I		
a = -0.23894 + 3.19582I	-1.51467 - 3.34740I	2.47459 + 9.57162I
b = -0.810143 - 0.625914I		
u = -0.356463 - 0.351194I		
a = -0.23894 - 3.19582I	-1.51467 + 3.34740I	2.47459 - 9.57162I
b = -0.810143 + 0.625914I		
u = 0.349922		
a = -0.429663	3.08020	23.9960
b = 1.51132		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ \left (u^{15} - 12u^{14} + \dots + 15u - 1)(u^{54} - u^{53} + \dots - 23705u - 2291) \right $
c_2	$(u^{15} + 3u^{14} + \dots + 4u^2 - 1)(u^{54} + 4u^{53} + \dots + 28u - 1)$
c_3	$(u^{15} - 6u^{13} + \dots + 3u - 1)(u^{54} - u^{53} + \dots - 2159u + 239)$
<i>C</i> ₄	$ (u^{15} - u^{14} + \dots - 6u^2 + 1)(u^{54} - 6u^{52} + \dots + 22u + 1) $
c_5	$ (u^{15} - 4u^{13} + \dots + u - 1)(u^{54} + u^{53} + \dots + 11u - 1) $
c_6, c_7	$ (u^{15} + u^{14} + \dots - 3u^2 + 1)(u^{54} + 27u^{52} + \dots + 12u + 1) $
c_8	$(u^{15} - 6u^{13} + \dots - u - 1)(u^{54} + u^{53} + \dots + u + 1)$
c_{9}, c_{10}	$(u^{15} - 4u^{13} + \dots + u + 1)(u^{54} + u^{53} + \dots + 11u - 1)$
c_{11}	$(u^{15} - u^{14} + \dots + 4u^2 - 1)(u^{54} - 2u^{53} + \dots + 36164u - 1709)$
c_{12}	$(u^{15} - u^{14} + \dots + 3u^2 - 1)(u^{54} + 27u^{52} + \dots + 12u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{15} - 2y^{14} + \dots + 49y - 1)$ $\cdot (y^{54} - 35y^{53} + \dots - 169277117y + 5248681)$
c_2	$(y^{15} + 7y^{14} + \dots + 8y - 1)(y^{54} + 54y^{53} + \dots + 60y + 1)$
<i>c</i> ₃	$(y^{15} - 12y^{14} + \dots + 11y - 1)(y^{54} - 53y^{53} + \dots + 93385y + 57121)$
C ₄	$(y^{15} - 15y^{14} + \dots + 12y - 1)(y^{54} - 12y^{53} + \dots - 440y + 1)$
c_5, c_9, c_{10}	$(y^{15} - 8y^{14} + \dots - 3y - 1)(y^{54} - y^{53} + \dots - 45y + 1)$
c_6, c_7, c_{12}	$(y^{15} + 15y^{14} + \dots + 6y - 1)(y^{54} + 54y^{53} + \dots - 74y + 1)$
c ₈	$(y^{15} - 12y^{14} + \dots + 15y - 1)(y^{54} - 49y^{53} + \dots - 151y + 1)$
c_{11}	$(y^{15} + 3y^{14} + \dots + 8y - 1)$ $\cdot (y^{54} + 62y^{53} + \dots - 555348524y + 2920681)$