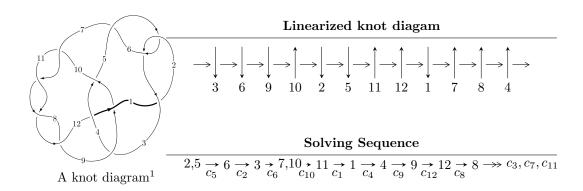
$12a_{0365} (K12a_{0365})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 5.12893 \times 10^{45} u^{69} + 1.68277 \times 10^{46} u^{68} + \dots + 4.63662 \times 10^{44} b - 6.98652 \times 10^{45},$$

$$5.16448 \times 10^{45} u^{69} + 1.76696 \times 10^{46} u^{68} + \dots + 4.63662 \times 10^{44} a - 1.03706 \times 10^{46}, \ u^{70} + 4u^{69} + \dots + 9u - 19u^{4} u^{40} + 10u^{40} u^{40} u^{40} + 10u^{40} u^{40} u^{4$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 75 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.

 $I. \\ I_1^u = \langle 5.13 \times 10^{45} u^{69} + 1.68 \times 10^{46} u^{68} + \dots + 4.64 \times 10^{44} b - 6.99 \times 10^{45}, \ 5.16 \times 10^{45} u^{69} + 1.77 \times 10^{46} u^{68} + \dots + 4.64 \times 10^{44} a - 1.04 \times 10^{46}, \ u^{70} + 4u^{69} + \dots + 9u - 1 \rangle$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_6 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^2 + 1 \\ u^2 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -11.1385u^{69} - 38.1088u^{68} + \cdots - 173.343u + 22.3667 \\ -11.0618u^{69} - 36.2931u^{68} + \cdots - 165.547u + 15.0681 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -10.4892u^{69} - 34.4257u^{68} + \cdots - 156.393u + 19.8877 \\ -14.0832u^{69} - 46.3168u^{68} + \cdots - 196.252u + 18.2161 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^3 \\ u^5 - u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} u^3 \\ u^5 - u^3 + u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -3.13298u^{69} - 9.84215u^{68} + \cdots - 17.5436u - 1.28092 \\ 1.91095u^{69} + 6.30251u^{68} + \cdots + 32.7284u - 2.47449 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -9.64324u^{69} - 30.9560u^{68} + \cdots - 143.863u + 19.4560 \\ -13.0842u^{69} - 43.4668u^{68} + \cdots - 180.730u + 16.7111 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 4.89906u^{69} + 16.4905u^{68} + \cdots + 65.1053u - 7.37396 \\ 4.33074u^{69} + 13.3350u^{68} + \cdots + 61.2047u - 5.58668 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -4.02982u^{69} - 12.7973u^{68} + \cdots - 53.5338u + 10.0666 \\ -3.38116u^{69} - 10.7655u^{68} + \cdots - 42.5744u + 3.57024 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-128.394u^{69} 417.002u^{68} + \cdots 1794.20u + 180.894$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_6	$u^{70} + 20u^{69} + \dots + 85u + 1$
c_2, c_5	$u^{70} + 4u^{69} + \dots + 9u - 1$
c_3	$u^{70} - 3u^{69} + \dots - 1882u - 203$
C ₄	$u^{70} - u^{69} + \dots - 1480438u - 582613$
c_7, c_8, c_{10} c_{11}	$u^{70} - 5u^{69} + \dots - 5u - 1$
<i>c</i> ₉	$u^{70} + 4u^{69} + \dots + 8u + 4$
c_{12}	$u^{70} + 7u^{69} + \dots + 20u + 8$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_6	$y^{70} + 64y^{69} + \dots - 5893y + 1$
c_2, c_5	$y^{70} - 20y^{69} + \dots - 85y + 1$
c_3	$y^{70} + 99y^{69} + \dots + 1211930y + 41209$
C4	$y^{70} + 27y^{69} + \dots - 15150651595278y + 339437907769$
c_7, c_8, c_{10} c_{11}	$y^{70} - 87y^{69} + \dots - 151y + 1$
<i>c</i> ₉	$y^{70} + 12y^{69} + \dots + 184y + 16$
c_{12}	$y^{70} - 23y^{69} + \dots + 176y + 64$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.821992 + 0.604536I		
a = -0.532818 + 0.414673I	3.21297 + 2.35752I	0
b = -0.120277 + 1.017190I		
u = -0.821992 - 0.604536I		
a = -0.532818 - 0.414673I	3.21297 - 2.35752I	0
b = -0.120277 - 1.017190I		
u = 0.936330 + 0.264637I		
a = -0.896597 - 0.840149I	-2.22755 - 3.95507I	0
b = 0.665791 - 0.751664I		
u = 0.936330 - 0.264637I		
a = -0.896597 + 0.840149I	-2.22755 + 3.95507I	0
b = 0.665791 + 0.751664I		
u = -0.894877 + 0.344146I		
a = 0.584785 - 0.204131I	-1.90739 + 1.11321I	0
b = 0.118346 - 0.802002I		
u = -0.894877 - 0.344146I		
a = 0.584785 + 0.204131I	-1.90739 - 1.11321I	0
b = 0.118346 + 0.802002I		
u = 0.853926 + 0.379140I		
a = -1.07991 + 2.13533I	8.86997 - 3.71004I	5.02992 + 4.95815I
b = -0.768766 - 0.133800I		
u = 0.853926 - 0.379140I		
a = -1.07991 - 2.13533I	8.86997 + 3.71004I	5.02992 - 4.95815I
b = -0.768766 + 0.133800I		
u = 0.076050 + 0.910271I		
a = 0.786878 + 0.417494I	12.21590 + 5.26874I	9.05075 - 4.23813I
b = -1.286790 - 0.266397I		
u = 0.076050 - 0.910271I		
a = 0.786878 - 0.417494I	12.21590 - 5.26874I	9.05075 + 4.23813I
b = -1.286790 + 0.266397I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.053090 + 0.329534I		
a = 0.301987 + 0.839033I	0.05205 - 7.60424I	0
b = -0.884319 + 0.768012I		
u = 1.053090 - 0.329534I		
a = 0.301987 - 0.839033I	0.05205 + 7.60424I	0
b = -0.884319 - 0.768012I		
u = -0.873719		
a = 0.0354661	-1.43825	-7.21730
b = 0.465987		
u = 0.839383 + 0.766541I		
a = 1.97243 + 0.15164I	3.50192 - 1.96491I	0
b = -1.28254 + 0.70957I		
u = 0.839383 - 0.766541I		
a = 1.97243 - 0.15164I	3.50192 + 1.96491I	0
b = -1.28254 - 0.70957I		
u = -1.130380 + 0.210061I		
a = -0.464632 - 0.272711I	-0.745084 - 0.635310I	0
b = -0.451919 + 0.228098I		
u = -1.130380 - 0.210061I		
a = -0.464632 + 0.272711I	-0.745084 + 0.635310I	0
b = -0.451919 - 0.228098I		
u = 0.879194 + 0.755731I		
a = -2.58309 + 2.90548I	4.28859 - 2.86154I	0
b = -0.13084 - 3.76242I		
u = 0.879194 - 0.755731I		
a = -2.58309 - 2.90548I	4.28859 + 2.86154I	0
b = -0.13084 + 3.76242I		
u = -0.818848 + 0.830702I		
a = 1.51994 - 0.93351I	4.67474 - 1.95463I	0
b = -1.068180 + 0.239833I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.818848 - 0.830702I		
a = 1.51994 + 0.93351I	4.67474 + 1.95463I	0
b = -1.068180 - 0.239833I		
u = 0.756256 + 0.888290I		
a = -0.908087 - 0.235986I	7.15283 - 0.79673I	0
b = 0.978137 + 0.193385I		
u = 0.756256 - 0.888290I		
a = -0.908087 + 0.235986I	7.15283 + 0.79673I	0
b = 0.978137 - 0.193385I		
u = -0.779738 + 0.882642I		
a = -1.34956 + 0.96896I	8.05847 - 6.46660I	0
b = 1.40703 - 0.65492I		
u = -0.779738 - 0.882642I		
a = -1.34956 - 0.96896I	8.05847 + 6.46660I	0
b = 1.40703 + 0.65492I		
u = 0.921897 + 0.750500I		
a = -1.04326 - 1.35120I	3.24664 - 3.77981I	0
b = 1.282040 + 0.357501I		
u = 0.921897 - 0.750500I		
a = -1.04326 + 1.35120I	3.24664 + 3.77981I	0
b = 1.282040 - 0.357501I		
u = 0.890245 + 0.790410I		
a = 2.42222 - 2.22983I	12.73530 - 2.97097I	0
b = 0.02417 + 3.67851I		
u = 0.890245 - 0.790410I		
a = 2.42222 + 2.22983I	12.73530 + 2.97097I	0
b = 0.02417 - 3.67851I		
u = -0.795789 + 0.142506I		_
a = -1.53396 - 2.52646I	7.52169 + 0.34716I	21.0536 + 3.3715I
b = -1.17773 - 2.40528I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.795789 - 0.142506I		
a = -1.53396 + 2.52646I	7.52169 - 0.34716I	21.0536 - 3.3715I
b = -1.17773 + 2.40528I		
u = 1.140890 + 0.364834I		
a = 0.103618 - 0.905249I	8.58977 - 9.64731I	0
b = 1.175310 - 0.699942I		
u = 1.140890 - 0.364834I		
a = 0.103618 + 0.905249I	8.58977 + 9.64731I	0
b = 1.175310 + 0.699942I		
u = -0.879597 + 0.814650I		
a = -1.56862 + 1.07443I	6.96123 + 3.17768I	0
b = 0.986495 + 0.292630I		
u = -0.879597 - 0.814650I		
a = -1.56862 - 1.07443I	6.96123 - 3.17768I	0
b = 0.986495 - 0.292630I		
u = -0.765989 + 0.932811I		
a = 1.26151 - 1.07522I	17.3945 - 9.1380I	0
b = -1.77664 + 0.92423I		
u = -0.765989 - 0.932811I		
a = 1.26151 + 1.07522I	17.3945 + 9.1380I	0
b = -1.77664 - 0.92423I		
u = -0.861076 + 0.848477I		
a = -0.859319 + 0.438890I	16.2859 - 0.4977I	0
b = 1.26257 - 0.76714I		
u = -0.861076 - 0.848477I		
a = -0.859319 - 0.438890I	16.2859 + 0.4977I	0
b = 1.26257 + 0.76714I		
u = -0.908549 + 0.804614I		
a = 1.43278 - 0.30075I	6.87034 + 2.88148I	0
b = -1.103350 + 0.163447I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.908549 - 0.804614I		
a = 1.43278 + 0.30075I	6.87034 - 2.88148I	0
b = -1.103350 - 0.163447I		
u = 0.744970 + 0.985585I		
a = 0.647817 + 0.473956I	16.4531 - 0.4058I	0
b = -1.163770 - 0.687098I		
u = 0.744970 - 0.985585I		
a = 0.647817 - 0.473956I	16.4531 + 0.4058I	0
b = -1.163770 + 0.687098I		
u = 0.069642 + 0.760028I		
a = -0.793095 - 0.598689I	3.25439 + 3.89128I	8.22204 - 6.04817I
b = 0.859741 + 0.405238I		
u = 0.069642 - 0.760028I		
a = -0.793095 + 0.598689I	3.25439 - 3.89128I	8.22204 + 6.04817I
b = 0.859741 - 0.405238I		
u = -0.958273 + 0.787843I		
a = -1.80471 + 0.55498I	4.24350 + 8.00749I	0
b = 1.167160 + 0.384223I		
u = -0.958273 - 0.787843I		
a = -1.80471 - 0.55498I	4.24350 - 8.00749I	0
b = 1.167160 - 0.384223I		
u = -0.939681 + 0.820477I		
a = 1.49590 - 1.03839I	16.0406 + 6.7093I	0
b = -1.084500 - 0.834712I		
u = -0.939681 - 0.820477I		
a = 1.49590 + 1.03839I	16.0406 - 6.7093I	0
b = -1.084500 + 0.834712I		
u = 0.715806 + 0.197898I		
a = 1.90591 + 0.45104I	1.024240 - 0.486676I	5.73519 + 8.27485I
b = -0.684371 + 0.426921I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.715806 - 0.197898I		
a = 1.90591 - 0.45104I	1.024240 + 0.486676I	5.73519 - 8.27485I
b = -0.684371 - 0.426921I		
u = -0.731580 + 0.051178I		
a = 0.44870 + 2.26858I	-0.138452 + 0.200334I	4.9583 + 27.7973I
b = 0.01502 + 2.39231I		
u = -0.731580 - 0.051178I		
a = 0.44870 - 2.26858I	-0.138452 - 0.200334I	4.9583 - 27.7973I
b = 0.01502 - 2.39231I		
u = -1.250450 + 0.234036I		
a = 0.590103 + 0.537183I	7.57482 - 1.28932I	0
b = 0.859854 + 0.006608I		
u = -1.250450 - 0.234036I		
a = 0.590103 - 0.537183I	7.57482 + 1.28932I	0
b = 0.859854 - 0.006608I		
u = -1.001820 + 0.796995I		
a = 1.91846 - 0.82073I	7.3655 + 12.6957I	0
b = -1.44365 - 0.79366I		
u = -1.001820 - 0.796995I		
a = 1.91846 + 0.82073I	7.3655 - 12.6957I	0
b = -1.44365 + 0.79366I		
u = 1.012350 + 0.795855I		
a = 1.031530 + 0.756442I	6.36559 - 5.43747I	0
b = -0.955690 + 0.405302I		
u = 1.012350 - 0.795855I		
a = 1.031530 - 0.756442I	6.36559 + 5.43747I	0
b = -0.955690 - 0.405302I		
u = -1.033470 + 0.811620I		
a = -1.97244 + 1.02030I	16.5467 + 15.5606I	0
b = 1.74303 + 1.08840I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.033470 - 0.811620I		
a = -1.97244 - 1.02030I	16.5467 - 15.5606I	0
b = 1.74303 - 1.08840I		
u = 0.597160 + 0.280730I		
a = 0.35750 - 2.20071I	1.24480 - 1.64965I	7.01663 + 7.54846I
b = 0.268738 + 0.108233I		
u = 0.597160 - 0.280730I		
a = 0.35750 + 2.20071I	1.24480 + 1.64965I	7.01663 - 7.54846I
b = 0.268738 - 0.108233I		
u = 1.069430 + 0.833772I		
a = -1.142940 - 0.662361I	15.4304 - 6.2393I	0
b = 1.013930 - 0.881403I		
u = 1.069430 - 0.833772I		
a = -1.142940 + 0.662361I	15.4304 + 6.2393I	0
b = 1.013930 + 0.881403I		
u = 0.345521 + 0.465734I		
a = -1.78206 + 0.64019I	10.36090 + 0.46448I	7.45738 + 2.55790I
b = 1.51987 - 0.09297I		
u = 0.345521 - 0.465734I		
a = -1.78206 - 0.64019I	10.36090 - 0.46448I	7.45738 - 2.55790I
b = 1.51987 + 0.09297I		
u = 0.049655 + 0.436764I		
a = 1.29855 + 1.08613I	0.274835 + 1.373660I	2.74778 - 4.32482I
b = -0.333410 - 0.509182I		
u = 0.049655 - 0.436764I		
a = 1.29855 - 1.08613I	0.274835 - 1.373660I	2.74778 + 4.32482I
b = -0.333410 + 0.509182I		
u = 0.114333		
a = 5.43350	1.36710	7.44230
b = -0.726957		

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

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

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

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

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

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

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

$$a_{9} = \begin{pmatrix} 2u^{2} - u - 1 \\ -2u^{2} \end{pmatrix}$$

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

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

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $-2u^2 + 7u + 2$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.877439 + 0.744862I		
a = -0.662359 + 0.562280I	4.66906 - 2.82812I	7.71191 + 2.59975I
b = -0.215080 - 1.307140I		
u = 0.877439 - 0.744862I		
a = -0.662359 - 0.562280I	4.66906 + 2.82812I	7.71191 - 2.59975I
b = -0.215080 + 1.307140I		
u = -0.754878		
a = 1.32472	0.531480	-4.42380
b = -0.569840		

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

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ -1 \end{pmatrix}$$

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

$$a_6 = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

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

$$a_7 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} a \\ a \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} a \\ 0 \end{pmatrix}$$

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

$$a_4 = \begin{pmatrix} -a+2\\ -a+1 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} a \\ a \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -a+1\\ -a \end{pmatrix}$$

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

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = 5

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_{12}	$(u-1)^2$
c_3, c_4, c_{10} c_{11}	$u^2 + u - 1$
c_5, c_6	$(u+1)^2$
c_7, c_8	u^2-u-1
<i>c</i> 9	u^2

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_5 c_6, c_{12}	$(y-1)^2$
$c_3, c_4, c_7 \\ c_8, c_{10}, c_{11}$	$y^2 - 3y + 1$
<i>c</i> ₉	y^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 = 0.618034	-0.657974	5.00000
b = 0.618034		
u = -1.00000		
a = -1.61803	7.23771	5.00000
b = -1.61803		

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^2)(u^3-u^2+2u-1)(u^{70}+20u^{69}+\cdots+85u+1)$
c_2	$((u-1)^2)(u^3+u^2-1)(u^{70}+4u^{69}+\cdots+9u-1)$
c_3	$(u^{2} + u - 1)(u^{3} + u^{2} + 2u + 1)(u^{70} - 3u^{69} + \dots - 1882u - 203)$
c_4	$(u^{2} + u - 1)(u^{3} + u^{2} + 2u + 1)(u^{70} - u^{69} + \dots - 1480438u - 582613)$
c_5	$((u+1)^2)(u^3-u^2+1)(u^{70}+4u^{69}+\cdots+9u-1)$
c_6	$((u+1)^2)(u^3+u^2+2u+1)(u^{70}+20u^{69}+\cdots+85u+1)$
c_7,c_8	$((u+1)^3)(u^2-u-1)(u^{70}-5u^{69}+\cdots-5u-1)$
<i>C</i> 9	$u^{2}(u+1)^{3}(u^{70}+4u^{69}+\cdots+8u+4)$
c_{10}, c_{11}	$((u-1)^3)(u^2+u-1)(u^{70}-5u^{69}+\cdots-5u-1)$
c_{12}	$u^{3}(u-1)^{2}(u^{70}+7u^{69}+\cdots+20u+8)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_6	$((y-1)^2)(y^3+3y^2+2y-1)(y^{70}+64y^{69}+\cdots-5893y+1)$
c_2, c_5	$((y-1)^2)(y^3-y^2+2y-1)(y^{70}-20y^{69}+\cdots-85y+1)$
c_3	$(y^2 - 3y + 1)(y^3 + 3y^2 + 2y - 1)$ $\cdot (y^{70} + 99y^{69} + \dots + 1211930y + 41209)$
c_4	$(y^{2} - 3y + 1)(y^{3} + 3y^{2} + 2y - 1)$ $\cdot (y^{70} + 27y^{69} + \dots - 15150651595278y + 339437907769)$
c_7, c_8, c_{10} c_{11}	$((y-1)^3)(y^2-3y+1)(y^{70}-87y^{69}+\cdots-151y+1)$
<i>c</i> ₉	$y^{2}(y-1)^{3}(y^{70}+12y^{69}+\cdots+184y+16)$
c_{12}	$y^{3}(y-1)^{2}(y^{70}-23y^{69}+\cdots+176y+64)$