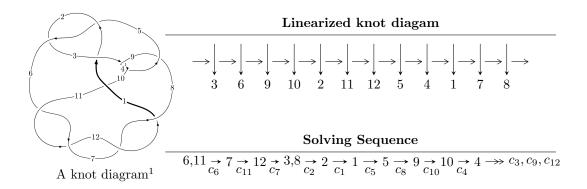
$12a_{0367} (K12a_{0367})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -5.26039 \times 10^{20} u^{71} - 3.31809 \times 10^{22} u^{70} + \dots + 4.33870 \times 10^{22} b + 1.79186 \times 10^{22}, \\ -8.36919 \times 10^{22} u^{71} + 1.25008 \times 10^{23} u^{70} + \dots + 8.67739 \times 10^{22} a + 3.24699 \times 10^{22}, \ u^{72} - 2u^{71} + \dots + 2u - 1^{2} u^{72} = \langle b - 1, \ a^2 - 2a + 2u - 3, \ u^2 - u - 1 \rangle$$

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

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 78 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.

 $I. \\ I_1^u = \langle -5.26 \times 10^{20} u^{71} - 3.32 \times 10^{22} u^{70} + \dots + 4.34 \times 10^{22} b + 1.79 \times 10^{22}, \ -8.37 \times 10^{22} u^{71} + 1.25 \times 10^{23} u^{70} + \dots + 8.68 \times 10^{22} a + 3.25 \times 10^{22}, \ u^{72} - 2u^{71} + \dots + 2u + 1 \rangle$

(i) Arc colorings

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

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

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

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

$$a_{3} = \begin{pmatrix} 0.964482u^{71} - 1.44061u^{70} + \dots - 11.9876u - 0.374190 \\ 0.0121244u^{71} + 0.764766u^{70} + \dots + 0.453521u - 0.412996 \end{pmatrix}$$

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

$$a_{2} = \begin{pmatrix} 0.976607u^{71} - 0.675847u^{70} + \dots - 11.5341u - 0.787186 \\ 0.0121244u^{71} + 0.764766u^{70} + \dots + 0.453521u - 0.412996 \end{pmatrix}$$

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

$$a_{5} = \begin{pmatrix} -1.98741u^{71} + 1.11158u^{70} + \dots + 14.3859u + 3.65867 \\ -0.926705u^{71} + 0.404836u^{70} + \dots + 1.82730u + 0.532714 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.472718u^{71} - 1.08136u^{70} + \dots - 16.3593u - 1.33874 \\ -1.10315u^{71} + 1.20031u^{70} + \dots + 2.20486u + 0.947164 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u^{7} - 4u^{5} + 4u^{3} \\ u^{9} - 5u^{7} + 7u^{5} - 2u^{3} + u \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.55989u^{71} + 0.727017u^{70} + \dots + 13.9611u + 3.63430 \\ -0.566397u^{71} + 0.322301u^{70} + \dots - 0.405449u - 0.412002 \end{pmatrix}$$

(ii) Obstruction class = -1

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{72} + 37u^{71} + \dots + 29u + 1$
c_{2}, c_{5}	$u^{72} + 3u^{71} + \dots + 7u + 1$
c_3, c_4, c_9	$u^{72} - u^{71} + \dots - 12u - 4$
c_6, c_7, c_{11} c_{12}	$u^{72} - 2u^{71} + \dots + 2u + 1$
<i>c</i> ₈	$u^{72} + 3u^{71} + \dots + 1492u + 220$
c_{10}	$u^{72} - 20u^{71} + \dots - 348u + 113$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{72} + 3y^{71} + \dots - 197y + 1$
c_2, c_5	$y^{72} - 37y^{71} + \dots - 29y + 1$
c_3, c_4, c_9	$y^{72} - 67y^{71} + \dots - 16y + 16$
c_6, c_7, c_{11} c_{12}	$y^{72} - 84y^{71} + \dots - 20y + 1$
c ₈	$y^{72} - 7y^{71} + \dots - 402704y + 48400$
c_{10}	$y^{72} - 12y^{71} + \dots - 272524y + 12769$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.928218 + 0.309234I		
a = -0.354302 + 0.192132I	-7.24752 + 4.65448I	0
b = -1.065700 + 0.515640I		
u = 0.928218 - 0.309234I		
a = -0.354302 - 0.192132I	-7.24752 - 4.65448I	0
b = -1.065700 - 0.515640I		
u = -0.737630 + 0.531689I		
a = -0.70377 - 2.08141I	-5.52989 + 11.86830I	0
b = -1.166590 + 0.587970I		
u = -0.737630 - 0.531689I		
a = -0.70377 + 2.08141I	-5.52989 - 11.86830I	0
b = -1.166590 - 0.587970I		
u = -0.884804 + 0.189140I		
a = 0.504034 + 0.110912I	-2.20323 - 1.64389I	0
b = 0.931780 + 0.416732I		
u = -0.884804 - 0.189140I		
a = 0.504034 - 0.110912I	-2.20323 + 1.64389I	0
b = 0.931780 - 0.416732I		
u = 0.883338 + 0.137471I		
a = -0.750844 + 0.235422I	-5.31297 + 0.37168I	-12.00000 + 0.I
b = -0.381393 - 0.511313I		
u = 0.883338 - 0.137471I		
a = -0.750844 - 0.235422I	-5.31297 - 0.37168I	-12.00000 + 0.I
b = -0.381393 + 0.511313I		
u = 0.690814 + 0.522826I		
a = 0.56315 - 2.15893I	0.02673 - 8.09347I	-12.0000 + 9.2851I
b = 1.099150 + 0.589092I		
u = 0.690814 - 0.522826I		
a = 0.56315 + 2.15893I	0.02673 + 8.09347I	-12.0000 - 9.2851I
b = 1.099150 - 0.589092I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.678297 + 0.515178I		
a = 0.977292 + 0.542744I	-2.93335 + 6.55153I	-14.6691 - 6.1676I
b = -0.295256 - 0.854652I		
u = -0.678297 - 0.515178I		
a = 0.977292 - 0.542744I	-2.93335 - 6.55153I	-14.6691 + 6.1676I
b = -0.295256 + 0.854652I		
u = -0.630548 + 0.470751I		
a = -0.34238 - 2.38082I	-1.31023 + 3.89736I	-15.2781 - 4.8812I
b = -1.003340 + 0.528804I		
u = -0.630548 - 0.470751I		
a = -0.34238 + 2.38082I	-1.31023 - 3.89736I	-15.2781 + 4.8812I
b = -1.003340 - 0.528804I		
u = -0.669262 + 0.404635I		
a = 0.465808 + 0.565250I	-7.95058 + 3.07874I	-19.9096 - 5.4080I
b = 1.254740 + 0.247917I		
u = -0.669262 - 0.404635I		
a = 0.465808 - 0.565250I	-7.95058 - 3.07874I	-19.9096 + 5.4080I
b = 1.254740 - 0.247917I		
u = 0.597312 + 0.499582I		
a = -1.048900 + 0.571843I	2.07881 - 2.99552I	-9.38208 + 5.15386I
b = 0.401917 - 0.758054I		
u = 0.597312 - 0.499582I		
a = -1.048900 - 0.571843I	2.07881 + 2.99552I	-9.38208 - 5.15386I
b = 0.401917 + 0.758054I		
u = 0.670676 + 0.356136I		
a = 0.63994 - 3.06673I	-8.27974 - 2.07809I	-20.0885 + 6.6662I
b = 1.042790 + 0.370481I		
u = 0.670676 - 0.356136I		
a = 0.63994 + 3.06673I	-8.27974 + 2.07809I	-20.0885 - 6.6662I
b = 1.042790 - 0.370481I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.464343 + 0.536069I		
a = 0.09506 - 1.92402I	-0.22536 + 4.12491I	-12.4469 - 7.3915I
b = -0.761545 + 0.651812I		
u = -0.464343 - 0.536069I		
a = 0.09506 + 1.92402I	-0.22536 - 4.12491I	-12.4469 + 7.3915I
b = -0.761545 - 0.651812I		
u = -0.154574 + 0.651894I		
a = 0.81766 + 1.18825I	-3.80714 - 7.87957I	-14.4786 + 4.9899I
b = -1.116310 - 0.581761I		
u = -0.154574 - 0.651894I		
a = 0.81766 - 1.18825I	-3.80714 + 7.87957I	-14.4786 - 4.9899I
b = -1.116310 + 0.581761I		
u = 0.614548 + 0.255524I		
a = -0.757214 + 0.499889I	-2.78857 - 0.70974I	-15.3214 + 8.6751I
b = -1.130020 + 0.157751I		
u = 0.614548 - 0.255524I		
a = -0.757214 - 0.499889I	-2.78857 + 0.70974I	-15.3214 - 8.6751I
b = -1.130020 - 0.157751I		
u = -0.432857 + 0.495289I		
a = 1.20679 + 0.74677I	-0.159008 - 0.526549I	-12.09743 - 0.07898I
b = -0.640326 - 0.609624I		
u = -0.432857 - 0.495289I		
a = 1.20679 - 0.74677I	-0.159008 + 0.526549I	-12.09743 + 0.07898I
b = -0.640326 + 0.609624I		
u = 0.207458 + 0.606070I		
a = -0.95467 + 1.17138I	1.44186 + 4.25219I	-9.65797 - 4.16216I
b = 1.020010 - 0.576008I		
u = 0.207458 - 0.606070I		
a = -0.95467 - 1.17138I	1.44186 - 4.25219I	-9.65797 + 4.16216I
	1	1

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.330405 + 0.540726I		
a = -0.21935 - 1.63303I	2.85712 - 0.60484I	-6.72055 + 2.73837I
b = 0.543025 + 0.677815I		
u = 0.330405 - 0.540726I		
a = -0.21935 + 1.63303I	2.85712 + 0.60484I	-6.72055 - 2.73837I
b = 0.543025 - 0.677815I		
u = -0.219371 + 0.590317I		
a = 0.13232 - 1.46550I	-1.59296 - 2.77751I	-11.43809 + 0.51083I
b = -0.364491 + 0.774875I		
u = -0.219371 - 0.590317I		
a = 0.13232 + 1.46550I	-1.59296 + 2.77751I	-11.43809 - 0.51083I
b = -0.364491 - 0.774875I		
u = -1.43199 + 0.05905I		
a = 0.137202 + 0.892850I	-2.64448 + 2.59240I	0
b = 0.769513 - 0.690097I		
u = -1.43199 - 0.05905I		
a = 0.137202 - 0.892850I	-2.64448 - 2.59240I	0
b = 0.769513 + 0.690097I		
u = -0.298512 + 0.480016I		
a = 1.31900 + 1.05008I	-0.322274 - 0.536528I	-12.40737 - 1.35367I
b = -0.816807 - 0.489111I		
u = -0.298512 - 0.480016I		
a = 1.31900 - 1.05008I	-0.322274 + 0.536528I	-12.40737 + 1.35367I
b = -0.816807 + 0.489111I		
u = 1.44062 + 0.04719I		
a = 0.166631 - 0.612110I	-5.88879 - 1.18432I	0
b = -0.646775 + 0.712591I		
u = 1.44062 - 0.04719I		
a = 0.166631 + 0.612110I	-5.88879 + 1.18432I	0
b = -0.646775 - 0.712591I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.47803 + 0.12168I		
a = -0.385579 + 1.121210I	-6.54042 - 6.43614I	0
b = -0.883821 - 0.684109I		
u = 1.47803 - 0.12168I		
a = -0.385579 - 1.121210I	-6.54042 + 6.43614I	0
b = -0.883821 + 0.684109I		
u = 1.52990		
a = 1.17737	-12.4085	0
b = 1.28361		
u = 1.54276 + 0.09438I		
a = 0.536674 - 0.392892I	-6.76870 - 1.23124I	0
b = -0.398329 + 0.709261I		
u = 1.54276 - 0.09438I		
a = 0.536674 + 0.392892I	-6.76870 + 1.23124I	0
b = -0.398329 - 0.709261I		
u = -1.56930 + 0.13818I		
a = -0.509105 - 0.235933I	-5.21517 + 5.29137I	0
b = 0.316957 + 0.850275I		
u = -1.56930 - 0.13818I		
a = -0.509105 + 0.235933I	-5.21517 - 5.29137I	0
b = 0.316957 - 0.850275I		
u = -1.58519 + 0.08012I		
a = -1.075000 - 0.153161I	-10.34390 + 1.99279I	0
b = -1.247880 - 0.216923I		
u = -1.58519 - 0.08012I		
a = -1.075000 + 0.153161I	-10.34390 - 1.99279I	0
b = -1.247880 + 0.216923I		
u = 1.58354 + 0.13428I		
a = -0.90062 + 1.56369I	-8.80863 - 6.10945I	0
b = -1.091900 - 0.562937I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.58354 - 0.13428I		
a = -0.90062 - 1.56369I	-8.80863 + 6.10945I	0
b = -1.091900 + 0.562937I		
u = -1.59498 + 0.02541I		
a = -1.026250 - 0.269553I	-13.76460 + 0.04291I	0
b = 0.227957 + 0.286684I		
u = -1.59498 - 0.02541I		
a = -1.026250 + 0.269553I	-13.76460 - 0.04291I	0
b = 0.227957 - 0.286684I		
u = -1.59687 + 0.10259I		
a = 0.95169 + 1.95273I	-16.0269 + 3.7857I	0
b = 1.080760 - 0.462527I		
u = -1.59687 - 0.10259I		
a = 0.95169 - 1.95273I	-16.0269 - 3.7857I	0
b = 1.080760 + 0.462527I		
u = 1.59634 + 0.11517I		
a = 1.058470 - 0.213570I	-15.6716 - 5.0007I	0
b = 1.306430 - 0.292171I		
u = 1.59634 - 0.11517I		
a = 1.058470 + 0.213570I	-15.6716 + 5.0007I	0
b = 1.306430 + 0.292171I		
u = 1.59603 + 0.15088I		
a = 0.526312 - 0.168658I	-10.61980 - 9.02169I	0
b = -0.243882 + 0.912614I		
u = 1.59603 - 0.15088I		
a = 0.526312 + 0.168658I	-10.61980 + 9.02169I	0
b = -0.243882 - 0.912614I		
u = -1.60049 + 0.15455I		
a = 1.05682 + 1.42543I	-7.71958 + 10.61700I	0
b = 1.156870 - 0.592655I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.60049 - 0.15455I		
a = 1.05682 - 1.42543I	-7.71958 - 10.61700I	0
b = 1.156870 + 0.592655I		
u = -0.131293 + 0.355319I		
a = 0.20840 + 2.27516I	-6.48927 - 0.23669I	-15.5734 - 1.1399I
b = 1.145400 - 0.148687I		
u = -0.131293 - 0.355319I		
a = 0.20840 - 2.27516I	-6.48927 + 0.23669I	-15.5734 + 1.1399I
b = 1.145400 + 0.148687I		
u = 1.61800 + 0.15854I		
a = -1.17742 + 1.38527I	-13.5182 - 14.4723I	0
b = -1.204960 - 0.585327I		
u = 1.61800 - 0.15854I		
a = -1.17742 - 1.38527I	-13.5182 + 14.4723I	0
b = -1.204960 + 0.585327I		
u = 1.63839 + 0.04440I		
a = 0.969701 - 0.100633I	-10.84760 + 0.79068I	0
b = 1.021090 - 0.277570I		
u = 1.63839 - 0.04440I		
a = 0.969701 + 0.100633I	-10.84760 - 0.79068I	0
b = 1.021090 + 0.277570I		
u = -1.64717		
a = -0.905015	-13.9145	0
b = -0.467479		
u = -0.339972		
a = 0.935322	-0.545345	-17.9680
b = -0.240550		
u = -1.66353 + 0.06990I		
a = -0.938576 - 0.156768I	-16.2206 - 3.2650I	0
b = -1.076900 - 0.435530I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.66353 - 0.06990I		
a = -0.938576 + 0.156768I	-16.2206 + 3.2650I	0
b = -1.076900 + 0.435530I		
u = 0.311962		
a = -5.58565	-6.70110	-11.7920
b = 0.860089		

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

(i) Arc colorings

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

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

$$a_{7} = \begin{pmatrix} 1 \\ u+1 \end{pmatrix}$$

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

$$a_{3} = \begin{pmatrix} a \\ 1 \end{pmatrix}$$

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

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

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

$$a_{5} = \begin{pmatrix} -a \\ -1 \end{pmatrix}$$

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

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

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

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = -24

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.618034		
a = -1.28825	-7.56670	-24.0000
b = 1.00000		
u = -0.618034		
a = 3.28825	-7.56670	-24.0000
b = 1.00000		
u = 1.61803		
a = 0.125968	-15.4624	-24.0000
b = 1.00000		
u = 1.61803		
a = 1.87403	-15.4624	-24.0000
b = 1.00000		

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

(i) Arc colorings

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

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

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

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

$$a_{3} = \begin{pmatrix} -1\\-1 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} u\\u \end{pmatrix}$$

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

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

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

$$a_{9} = \begin{pmatrix} u\\u \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = -14

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2	$(u-1)^2$
c_3, c_4, c_8 c_9	u^2
<i>c</i> ₅	$(u+1)^2$
c_6, c_7, c_{10}	$u^2 + u - 1$
c_{11}, c_{12}	$u^2 - u - 1$

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.618034		
a = -1.00000	-2.63189	-14.0000
b = -1.00000		
u = -1.61803		
a = -1.00000	-10.5276	-14.0000
b = -1.00000		

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^6)(u^{72} + 37u^{71} + \dots + 29u + 1)$
c_2	$((u-1)^2)(u+1)^4(u^{72}+3u^{71}+\cdots+7u+1)$
c_3, c_4, c_9	$u^{2}(u^{2}-2)^{2}(u^{72}-u^{71}+\cdots-12u-4)$
c_5	$((u-1)^4)(u+1)^2(u^{72}+3u^{71}+\cdots+7u+1)$
c_6, c_7	$((u^{2}-u-1)^{2})(u^{2}+u-1)(u^{72}-2u^{71}+\cdots+2u+1)$
c ₈	$u^{2}(u^{2}-2)^{2}(u^{72}+3u^{71}+\cdots+1492u+220)$
c_{10}	$((u^2 + u - 1)^3)(u^{72} - 20u^{71} + \dots - 348u + 113)$
c_{11}, c_{12}	$(u^{2} - u - 1)(u^{2} + u - 1)^{2}(u^{72} - 2u^{71} + \dots + 2u + 1)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y-1)^6)(y^{72}+3y^{71}+\cdots-197y+1)$
c_2, c_5	$((y-1)^6)(y^{72} - 37y^{71} + \dots - 29y + 1)$
c_3,c_4,c_9	$y^{2}(y-2)^{4}(y^{72}-67y^{71}+\cdots-16y+16)$
c_6, c_7, c_{11} c_{12}	$((y^2 - 3y + 1)^3)(y^{72} - 84y^{71} + \dots - 20y + 1)$
c ₈	$y^{2}(y-2)^{4}(y^{72}-7y^{71}+\cdots-402704y+48400)$
c_{10}	$((y^2 - 3y + 1)^3)(y^{72} - 12y^{71} + \dots - 272524y + 12769)$